



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

PLAN APPROVAL

Issue Date: May 9, 2025

Effective Date: May 9, 2025

Expiration Date: January 31, 2027

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 construct, install, modify or reactivate the air emission source(s) more fully described in the site inventory list. This Facility is subject to all terms and conditions specified in this plan approval. Nothing in this plan approval 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 plan approval condition is set forth in brackets. All terms and conditions in this permit are federally enforceable unless otherwise designated as "State-Only" requirements.

Plan Approval No. 28-03045B

Federal Tax Id - Plant Code: 55-0629203-1

Owner Information

Name: EASTERN GAS TRANS & STORAGE INC

Mailing Address: 10700 ENERGY WAY
GLEN ALLEN, VA 23060-9243

Plant Information

Plant: EASTERN GAS TRANS & STORAGE/CHAMBERSBURG COMP STA

Location: 28 Franklin County 28909 Hamilton Township

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

Responsible Official

Name: JOHN MLAMB

Title: VP E PIPELINE OPR

Phone: (804) 273 - 4327

Email:

Plan Approval Contact Person

Name: GLENN S. BOUTILLIER

Title: ENV SPECIALIST III

Phone: (804) 356 - 1364

Email: Glenn.Boutillier@bhegts.com

[Signature] _____

WILLIAM R. WEAVER, SOUTHCENTRAL REGION AIR PROGRAM MANAGER



Plan Approval Description

This plan approval authorizes the construction and temporary operation of a new Solar Taurus 70-10802S gas turbine (Source ID 106) to compress natural gas from a transmission pipeline, and a new 760 bhp Caterpillar CG18 emergency generator (Source ID 112). The turbine combusts natural gas only and is rated at 11,100 bhp ISO. CO emissions from the turbine shall be controlled by an oxidation catalyst (Control ID C106).



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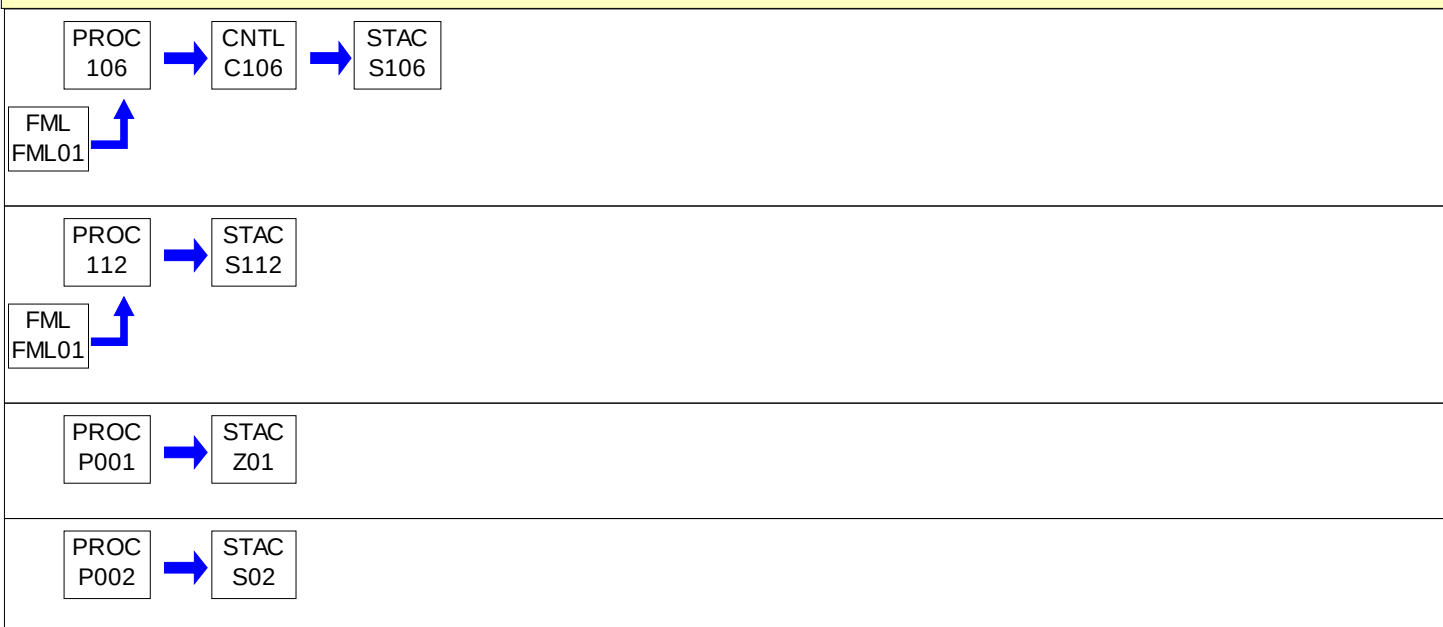
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**SECTION A. Plan Approval Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
106	SOLAR TAURUS 70 GAS TURBINE 4	84.900 MMBTU/HR	
		81.590 MCF/HR	NATURAL GAS
112	EMERGENCY GENERATOR, CATERPILLAR CG18	5.170 MCF/HR	Natural Gas
P001	FUGITIVE EMISSIONS		
P002	BLOWDOWN EMISSIONS		
C106	CONTROL, OXI-CAT, SOLAR TAURUS		
FML01	FUEL MATERIAL, NATURAL GAS		
S02	BLOWDOWN STACK		
S106	STACK, TAURUS 70 TURBINE 4		
S112	STACK, EMERGENCY GENERATOR		
Z01	FUGITIVE		

PERMIT MAPS

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

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

#002 [25 Pa. Code § 127.12b (a) (b)]**Future Adoption of Requirements**

The issuance of this plan approval does not prevent the future adoption by the Department of any rules, regulations or standards, or the issuance of orders necessary to comply with the requirements of the Federal Clean Air Act or the Pennsylvania Air Pollution Control Act, or to achieve or maintain ambient air quality standards. The issuance of this plan approval shall not be construed to limit the Department's enforcement authority.

#003 [25 Pa. Code § 127.12b]**Plan Approval Temporary Operation**

This plan approval authorizes temporary operation of the source(s) covered by this plan approval provided the following conditions are met.

(a) When construction, installation, modification, or reactivation is being conducted, the permittee shall provide written notice to the Department of the completion of the activity approved by this plan approval and the permittee's intent to commence operation at least five (5) working days prior to the completion of said activity. The notice shall state when the activity will be completed and when the permittee expects to commence operation. When the activity involves multiple sources on different time schedules, notice is required for the commencement of operation of each source.

(b) Pursuant to 25 Pa. Code § 127.12b (d), temporary operation of the source(s) is authorized to facilitate the shakedown of sources and air cleaning devices, to permit operations pending the issuance of a permit under 25 Pa. Code Chapter 127, Subchapter F (relating to operating permits) or Subchapter G (relating to Title V operating permits) or to permit the evaluation of the air contaminant aspects of the source.

(c) This plan approval authorizes a temporary operation period not to exceed 180 days from the date of commencement of operation, provided the Department receives notice from the permittee pursuant to paragraph (a), above.

(d) The permittee may request an extension of the 180-day shakedown period if further evaluation of the air contamination aspects of the source(s) is necessary. The request for an extension shall be submitted, in writing, to the Department at least 30 days prior to the end of the initial 180-day shakedown period and shall provide a description of the compliance status of the source, a detailed schedule for establishing compliance, and the reasons compliance has not been established. This temporary operation period will be valid for a limited time and may be extended for additional limited periods, each not to exceed 180 days.

(e) The notice submitted by the permittee pursuant to subpart (a) above, prior to the expiration of the plan approval, shall modify the plan approval expiration date on Page 1 of this plan approval. The new plan approval expiration date shall be 180 days from the date of commencement of operation.

#004 [25 Pa. Code § 127.12(a) (10)]**Content of Applications**

The permittee shall maintain and operate the sources and associated air cleaning devices in accordance with good engineering practice as described in the plan approval application submitted to the Department.

#005 [25 Pa. Code §§ 127.12(c) and (d) & 35 P.S. § 4013.2]**Public Records and Confidential Information**

(a) The records, reports or information obtained by the Department or referred to at public hearings shall be available to the public, except as provided in paragraph (b) of this condition.

(b) Upon cause shown by the permittee that the records, reports or information, or a particular portion thereof, but not emission data, to which the Department has access under the act, if made public, would divulge production or sales figures or methods, processes or production unique to that person or would otherwise tend to affect adversely the

**SECTION B. General Plan Approval Requirements**

competitive position of that person by revealing trade secrets, including intellectual property rights, the Department will consider the record, report or information, or particular portion thereof confidential in the administration of the act. The Department will implement this section consistent with sections 112(d) and 114(c) of the Clean Air Act (42 U.S.C.A. § § 7412(d) and 7414(c)). Nothing in this section prevents disclosure of the report, record or information to Federal, State or local representatives as necessary for purposes of administration of Federal, State or local air pollution control laws, or when relevant in a proceeding under the act.

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

[Additional authority for this condition is derived from 25 Pa. Code Section 127.13]

(a) This plan approval will be valid for a limited time, as specified by the expiration date contained on Page 1 of this plan approval. Except as provided in § § 127.11a and 127.215 (relating to reactivation of sources; and reactivation), at the end of the time, if the construction, modification, reactivation or installation has not been completed, a new plan approval application or an extension of the previous approval will be required.

(b) If construction has commenced, but cannot be completed before the expiration of this plan approval, an extension of the plan approval must be obtained to continue construction. To allow adequate time for departmental action, a request for the extension shall be postmarked at least thirty (30) days prior to the expiration date. The request for an extension shall include the following:

- (i) A justification for the extension,
- (ii) A schedule for the completion of the construction

If construction has not commenced before the expiration of this plan approval, then a new plan approval application must be submitted and approval obtained before construction can commence.

(c) If the construction, modification or installation is not commenced within 18 months of the issuance of this plan approval or if there is more than an 18-month lapse in construction, modification or installation, a new plan approval application that meets the requirements of 25 Pa. Code Chapter 127, Subchapter B (related to plan approval requirements), Subchapter D (related to prevention of significant deterioration of air quality), and Subchapter E (related to new source review) shall be submitted. The Department may extend the 18-month period upon a satisfactory showing that an extension is justified.

#007 [25 Pa. Code § 127.32]**Transfer of Plan Approvals**

(a) This plan approval may not be transferred from one person to another except when a change of ownership is demonstrated to the satisfaction of the Department and the Department approves the transfer of the plan approval in writing.

(b) Section 127.12a (relating to compliance review) applies to a request for transfer of a plan approval. A compliance review form shall accompany the request.

(c) This plan approval is valid only for the specific source and the specific location of the source as described in the application.

#008 [25 Pa. Code § 127.12(a)(4) & 35 P.S. § 4008 & § 114 of the CAA]**Inspection and Entry**

(a) 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.

(b) The permittee shall also allow the Department to have access at reasonable times to said sources and associated air cleaning devices with such measuring and recording equipment, including equipment recording visual observations, as the Department deems necessary and proper for performing its duties and for the effective enforcement of the Air Pollution Control Act and regulations adopted under the act.

**SECTION B. General Plan Approval Requirements**

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

#009 [25 Pa. Code 127.13a]**Plan Approval Changes for Cause**

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

- (a) The permittee constructs or operates the source subject to the plan approval in violation of the act, the Clean Air Act, the regulations promulgated under the act or the Clean Air Act, a plan approval or permit or in a manner that causes air pollution.
- (b) The permittee fails to properly or adequately maintain or repair an air pollution control device or equipment attached to or otherwise made a part of the source.
- (c) The permittee fails to submit a report required by this plan approval.
- (d) The Environmental Protection Agency determines that this plan approval is not in compliance with the Clean Air Act or the regulations thereunder.

#010 [25 Pa. Code §§ 121.9 & 127.216]**Circumvention**

- (a) The permittee, or any other person, may not circumvent the new source review requirements of 25 Pa. Code Chapter 127, Subchapter E by causing or allowing a pattern of ownership or development, including the phasing, staging, delaying or engaging in incremental construction, over a geographic area of a facility which, except for the pattern of ownership or development, would otherwise require a permit or submission of a plan approval application.
- (b) No person may permit the use of a device, stack height which exceeds good engineering practice stack height, dispersion technique or other technique which, without resulting in reduction of the total amount of air contaminants emitted, conceals or dilutes an emission of air contaminants which would otherwise be in violation of this plan approval, 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.

#011 [25 Pa. Code § 127.12c]**Submissions**

Reports, test data, monitoring data, notifications shall be submitted to the:

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

#012 [25 Pa. Code § 127.12(a)(9) & 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 facility. The permittee shall submit the RMP to the Environmental Protection Agency according to the following schedule and requirements:

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

**SECTION B. General Plan Approval Requirements**

- (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 the Environmental Protection Agency 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 plan approval 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.

#013 [25 Pa. Code § 127.25]**Compliance Requirement**

A person may not cause or permit the operation of a source subject to § 127.11 (relating to plan approval requirements), unless the source and air cleaning devices identified in the application for the plan approval and the plan approval issued to the source, are operated and maintained in accordance with specifications in the application and conditions in the plan approval issued by the Department. A person may not cause or permit the operation of an air contamination source subject to this chapter in a manner inconsistent with good operating practices.



SECTION C. Site Level Plan Approval Requirements

I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The permittee shall limit the facility's total actual emissions below the following levels:

- (a) 100 tons/year of sulfur oxides
- (b) 100 tons/year of nitrogen oxides
- (c) 100 tons/year of carbon monoxide
- (d) 100 tons/year of PM-10 (particulate matter with an effective aerodynamic diameter of less than or equal to a nominal 10 micrometer body as measured by the applicable reference method or an equal method)
- (e) 100 tons/year of PM-2.5 (particulate matter with an effective aerodynamic diameter of less than or equal to a nominal 2.5 micrometer body as measured by the applicable reference method or an equal method)
- (f) 50 tons/year of volatile organic compounds
- (g) 10 tons/year of any individual hazardous air pollutant
- (h) 25 tons/year of total combined hazardous air pollutants

The above emission limits are based upon a 12-month rolling total and apply to each consecutive 12-month period.

Compliance verification requires emissions to be calculated for each month and each consecutive 12-month period and to be reported annually to the Department in conjunction with reporting requirements in Section B, Conditions #023 and #024 of Operating Permit 28-03045.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

V. REPORTING REQUIREMENTS.

002 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Starting in 2026, 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 in conjunction with reporting requirements in Section B, Conditions #023 and #024 of Operating Permit 28-03045.

**SECTION C. Site Level Plan Approval Requirements****VI. WORK PRACTICE REQUIREMENTS.**

No additional work practice requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

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

All conditions contained in Operating Permit No. 28-03045 shall remain in effect unless suspended or amended by conditions contained in this Plan Approval (28-03045B). If there is a conflict between a condition contained in this plan approval and a condition contained in Operating Permit No. 28-03045, the permittee shall comply with the condition contained in this plan approval.

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

a.) The permittee shall submit semiannual reports to the Department regarding the project that is the subject of this plan approval. The reports shall be due on January 31 and July 31 of each year. The permittee shall continue submitting these reports until either:

- 1.) the first plan approval extension application for the project has been submitted, or
- 2.) the permit administrative amendment application has been submitted for the project, or
- 3.) an operating permit initial or renewal application addressing the inclusion of this plan approval, has been submitted for the facility.

b.) The semiannual reports shall contain the following:

- 1.) a brief summary of the status of the project, including any key construction milestones during the relevant semiannual period, and
- 2.) a statement of whether the equipment that is the subject of the plan approval has begun operating for any purpose, and what was the date that such operation began.
- 3.) a statement of whether a plan approval extension is expected to be needed during the upcoming semiannual period, and if so, when the permittee anticipates submitting the application for such an extension.

c.) The semiannual reports shall be sent to: Air Quality Program Manager, Department of Environmental Protection, Southcentral Regional Office, 909 Elmerton Avenue, Harrisburg, PA 17110.

d.) Within 60 days of the Department's written request to do so, the permittee shall submit an application for administrative amendment to incorporate the provisions of this plan approval into an existing State only operating permit.

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

The permittee shall notify the person noted below when the source(s) and control device(s) is/are operating as designed so the source(s) and control device(s) may be inspected while in operation for the inclusion in or issuance of an operating permit.

Linda Piscioneri
Southcentral Regional Office
Air Quality Program
lpiscioner@pa.gov
717-705-4861

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

**SECTION C. Site Level Plan Approval Requirements**

This plan approval incorporates, by reference, Section C conditions in the facility's state only Operating Permit No. 28-03045.

VIII. COMPLIANCE CERTIFICATION.

No additional compliance certifications exist except as provided in other sections of this plan approval including Section B (relating to Plan Approval General Requirements).

IX. COMPLIANCE SCHEDULE.

No compliance milestones exist.

**SECTION D. Source Level Plan Approval Requirements**

Source ID: 106

Source Name: SOLAR TAURUS 70 GAS TURBINE 4

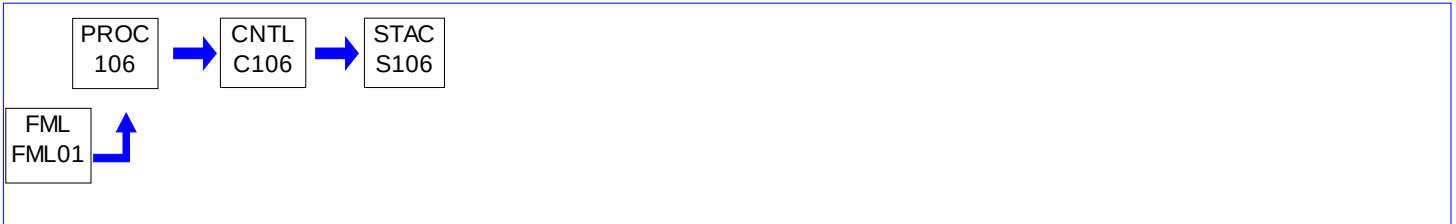
Source Capacity/Throughput:

84.900 MMBTU/HR

81.590 MCF/HR

NATURAL GAS

Conditions for this source occur in the following groups: 03
06

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §127.1]****Purpose.**

(a) Pursuant to the Best Available Technology (BAT) provisions of 25 Pa. Code Section 127.1, the permittee shall not allow the emission of nitrogen oxides (NO_x), carbon monoxide (CO), non-methane non-ethane hydrocarbon (NMNEHC), and total particulate matter (TPM) into the outdoor atmosphere from the Source ID 106 turbine in excess of the following limits:

- (1) 9.0 ppmvd NO_x at 15% O₂;
- (2) 2.0 ppmvd CO at 15% O₂;
- (3) 1.5 ppmvd NMNEHC at 15% O₂ (measured as propane); and
- (4) 0.03 lb TPM/MMBTU.

(b) The emission limitations specified in part (a), above, shall apply at all times except during the following periods:

- (1) Periods of start-up and shutdown, provided that the duration of start-up and shut-down do not exceed thirty (30) minutes per occurrence; and
- (2) Periods of operation in subzero ambient temperature conditions (i.e., less than 0°F).

[Compliance with the requirement(s) specified in part (a) of this streamlined plan approval condition assures compliance with the NO_x emission limit specified in 40 CFR §60.4320(a) and the PM emission limit specified in 25 Pa. Code Section 123.13(c)(1)(i)]

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

The permittee shall operate the Source ID 106 turbine using pipeline quality natural gas fuel only.

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

Visible emissions from the Source ID 106 turbine shall not exceed the following:

- (a) equal to or greater than 10% opacity for a period or periods aggregating to more than these three minutes in any one hour; and
- (b) equal to or greater than 30% opacity at any time.

**SECTION D. Source Level Plan Approval Requirements****II. TESTING REQUIREMENTS.****# 004 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

[Additional authority for this plan approval condition is also derived from 25 Pa. Code Section 139.11]

(a) Within 180 days, or 500 hours of operation, whichever is later, after the initial startup of the Source ID 105 turbine, unless approved otherwise in writing by the Department, the permittee shall conduct three (3) runs of the following emissions tests of the turbine pursuant to 25 Pa. Code Chapter 139 of the rules and regulations of the Department in order to demonstrate compliance with Condition #001, above:

(1) 40 CFR Part 60, Appendix A, Method 7, 7A, 7E or another Method approved by the Department - NO_x emissions; report NO_x emissions in units of ppmvd (corrected to 15% oxygen), g/bhp-hr, and lb/hr; NO_x emissions shall be reported in terms of nitrogen dioxide (NO₂).

(2) 40 CFR Part 60, Appendix A, Method 10 or another Method approved by the Department - CO emissions; report CO emissions in units of ppmvd (corrected to 15% oxygen), g/bhp-hr, and lb/hr.

(3) 40 CFR Part 60, Appendix A, Methods 18 and 25A; 40 CFR Part 60, Appendix A, Method 25A and 40 CFR Part 63, Appendix A, Method 320; or another Method approved by the Department - NMNEHC emissions; report NMNEHC emissions in units of ppmvd (corrected to 15% oxygen); NMNEHC emissions shall be reported in terms of propane.

(b) The emissions tests referenced in (a), above, shall be performed while the Source ID 106 turbine is operating within 10% of the 100% peak load or the highest achievable load, unless approved otherwise in writing by the Department.

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

[Additional authority for this plan approval condition is also derived from 25 Pa. Code Section 139.11]

(a) Pursuant to 25 Pa. Code §139.3, unless a previously approved protocol has been received and approved by the Department for this source, at least 30 calendar days prior to commencing an emissions testing program, a test protocol shall be submitted to the Department for review and approval. The test protocol shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual.

(b) Pursuant to 25 Pa. Code §139.3, at least 15 calendar days prior to commencing an emissions testing program, notification as to the date and time of testing shall be given to the Southcentral Regional Office. Notification shall also be sent to the Bureau of Air Quality's Division of Source Testing and Monitoring.

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

(d) Pursuant to 25 Pa. Code §139.3, 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 emissions test program.

(e) Pursuant to 25 Pa. Code §139.53(b), a complete test report shall include a summary of the emissions 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 plan approval/operating 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) Plan approval/operating permit number(s) and condition(s) which are the basis for the evaluation.

(3) Summary of results with respect to each applicable plan approval/operating permit condition.

(4) Statement of compliance or non-compliance with each applicable plan approval/operating permit condition.

**SECTION D. Source Level Plan Approval Requirements**

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

(g) All testing shall be performed in accordance with the provisions of 25 Pa. Code Chapter 139 of the Rules and Regulations of the Department.

(h) Pursuant to 25 Pa. Code §§139.53(a)(1) and 139.53(a)(3), all submittals, besides notifications, shall be accomplished through PSIMS*Online available through <https://www.depgreenport.state.pa.us/ecommm/Login.jsp>. If internet submittal can not be accomplished, three (3) copies of the submittal shall be sent to the Southcentral Regional Office at the following address, with deadlines verified through document postmarks:

PA DEP
Southcentral Regional Office
Air Quality Program
909 Elmerton Avenue
Harrisburg, PA 17110-8200

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

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

(a) In addition to the performance testing required by Condition #004, above, the permittee shall perform semi-annual periodic monitoring for NOx and CO emissions to verify that the Source ID 106 turbine is in compliance with the NOx and CO emission limits of Condition #001(a), above. If a Department-approved performance test has been performed within the semi-annual period, this test 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 by utilizing three (3) 20-minute test runs. The Department may alter the frequency of portable analyzer tests based on the results. The portable gas analyzer shall be maintained according to the manufacturer's specifications and the procedures specified in ASTM D 6522, or equivalent, as approved by the Department. The Department may also waive all or parts of this condition if the permittee demonstrates compliance, in lieu of testing, through alternate means satisfactory to the Department.

(b) Within thirty (30) calendar days after the completion of periodic monitoring, or within sixty (60) days of completion of a Department approved performance test that is also used to satisfy the semi-annual periodic monitoring requirement, the permittee shall submit the results to the DEP through the Department's Greenport PUP system available through: <https://greenport.pa.gov/ePermitPublicAccess/PublicSubmission/Home>. The Department reserves the right to require source tests in accordance with EPA reference methods should the data from the portable analyzer warrant such tests.

III. MONITORING REQUIREMENTS.

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

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

(a) The permittee shall maintain records for the Source ID 106 turbine as follows:

(1) The permittee shall calculate the monthly air emissions from the Source ID 106 turbine using AP-42 emission factors, manufacturer-supplied emission factors, mass material balance, performance (stack) test data, or other method(s) acceptable to the Department.

(2) Source ID 106 turbine emissions calculated in (1), fuel usage, and operating hours shall be recorded for each month and each consecutive 12-month period.

**SECTION D. Source Level Plan Approval Requirements**

(3) The date, start time, and duration of startup, shutdown, and low temperature operating periods for the Source ID 106 turbine shall be recorded.

(4) The permittee shall keep records of any maintenance conducted on the Source ID 106 turbine.

(b) The permittee shall retain these records for a minimum of five (5) years. The records shall be made available to the Department upon its request.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

008 [25 Pa. Code §127.1]

Purpose.

Pursuant to the Best Available Technology (BAT) provisions of 25 Pa. Code Section 127.1, the Source ID 106 turbine shall be operated in a manner consistent with good air pollution control practices for minimizing emissions at all times, including periods of startup, shutdown and malfunction.

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**SECTION D. Source Level Plan Approval Requirements**

Source ID: 112

Source Name: EMERGENCY GENERATOR, CATERPILLAR CG18

Source Capacity/Throughput:

5.170 MCF/HR

Natural Gas

Conditions for this source occur in the following groups: 05

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

001 [25 Pa. Code §123.13]

Processes

No person may permit the emission into the outdoor atmosphere of particulate matter from Source ID 112 in a manner that the concentration of particulate matter in the effluent gas exceeds 0.04 grain per dry standard cubic foot.

002 [25 Pa. Code §123.21]

General

No person may permit the emission into the outdoor atmosphere of sulfur oxides from Source ID 112 in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 parts per million, by volume, dry basis.

003 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The permittee shall operate Source ID 112 using pipeline quality natural gas fuel only.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

004 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The permittee shall keep records of the emergency generator operating hours on a monthly basis. The records shall be made available to the Department's representative upon request.

V. REPORTING REQUIREMENTS.

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

**SECTION D. Source Level Plan Approval Requirements****VI. WORK PRACTICE REQUIREMENTS.**

005 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The permittee shall operate and maintain Source ID 112 in accordance with the manufacturer's specifications.

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

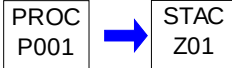
**SECTION D. Source Level Plan Approval Requirements**

Source ID: P001

Source Name: FUGITIVE EMISSIONS

Source Capacity/Throughput:

Conditions for this source occur in the following groups: 06

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.**# 001 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

(a) The permittee shall perform monthly audio, visual, and olfactory (AVO) inspections to ensure the fugitive air contaminant emissions are minimized. Any leak detected during the monthly AVO inspection shall be repaired within 15 calendar days of detection unless facility shutdowns or ordering of replacement parts are necessary for repair of the leaks.

(b) The permittee shall keep a logbook of the following for the AVO inspections, which logbook shall be kept for 5 years and made available to the Department upon request:

- (1) the date of each inspection,
- (2) initials or name(s) of the person(s) conducting each inspection,
- (3) the date each leak is detected,
- (4) the specific location of the leak,
- (5) the repair performed to eliminate the leak,
- (6) the date the leak is repaired,
- (7) the action/inspection taken to determine that the leak is repaired, and
- (8) the initials or name(s) of the person(s) repairing the leak.

(c) The permittee shall keep these records for a minimum of five (5) years and shall be made available to the Department upon request.

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

**SECTION D. Source Level Plan Approval Requirements****VII. ADDITIONAL REQUIREMENTS.****# 002 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

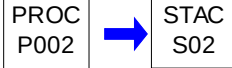
Condition #002 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.5360a] for Source ID P001 in Operating Permit # 28-03045 is superseded by Condition #001 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.5360b] and Condition #002 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.5420b] in Section E, Group 06 of this plan approval.

**SECTION D. Source Level Plan Approval Requirements**

Source ID: P002

Source Name: BLOWDOWN EMISSIONS

Source Capacity/Throughput:

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

IV. RECORDKEEPING REQUIREMENTS.**# 001 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

(a) The permittee shall maintain records of the date, volume of natural gas released, and emissions from each blowdown and emergency shutdown at the facility.

(b) The permittee shall retain these records for a minimum of five (5) years. The records shall be made available to the Department upon its request.

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

The Owner/Operator shall report each emergency shutdown event that occurs at this facility and results in venting or blowdown emissions in accordance with the malfunction reporting requirements of Section C of Operating Permit # 28-03045.

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

The Owner/Operator shall minimize blowdown gas generated as a result of equipment maintenance and emergency shutdowns to the extent practical.

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

**SECTION E. Source Group Plan Approval Restrictions.**

Group Name: 03

Group Description: NSPS Subpart KKKK Affected Sources

Sources included in this group

ID	Name
106	SOLAR TAURUS 70 GAS TURBINE 4

I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

VII. ADDITIONAL REQUIREMENTS.

001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The Group 03 sources as modified by this plan approval shall comply with the conditions for Group 03 in Section E of the facility's State-Only Operating Permit No. 28-03045, unless otherwise provided in this plan approval.

**SECTION E. Source Group Plan Approval Restrictions.**

Group Name: 05

Group Description: NSPS Subpart JJJJ Affected Sources > 500 HP

Sources included in this group

ID	Name
112	EMERGENCY GENERATOR, CATERPILLAR CG18

I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

VII. ADDITIONAL REQUIREMENTS.

**# 001 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4230]
Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines
Am I subject to this subpart?**

§ 60.4230 Am I subject to this subpart?

(a) The provisions of this subpart are applicable to manufacturers, owners, and operators of stationary spark ignition (SI) internal combustion engines (ICE) as specified in paragraphs (a)(1) through (6) of this section. For the purposes of this subpart, the date that construction commences is the date the engine is ordered by the owner or operator.

(1) [NA - NOT AN ENGINE MANUFACTURER]

(2) [NA - NOT AN ENGINE MANUFACTURER]

(3) [NA - NOT AN ENGINE MANUFACTURER]

(4) Owners and operators of stationary SI ICE that commence construction after June 12, 2006, where the stationary SI ICE are manufactured:

(i) [NA - ENGINE IS LEAN BURN]

(ii) on or after January 1, 2008, for lean burn engines with a maximum engine power greater than or equal to 500 HP and

**SECTION E. Source Group Plan Approval Restrictions.**

less than 1,350 HP;

(iii) [NA - ENGINE(S) > 500 HP]; or

(iv) on or after January 1, 2009, for emergency engines with a maximum engine power greater than 19 KW (25 HP).

(5) [NA - ENGINES NOT MODIFIED OR RECONSTRUCTED]

(6) The provisions of § 60.4236 of this subpart are applicable to all owners and operators of stationary SI ICE that commence construction after June 12, 2006.

(b) [NA - ENGINE TEST CELL NOT RELEVANT HERE]

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

(d) [NA - UNITS NOT GASOLINE-FUELED]

(e) [NA - NO NATIONAL SECURITY EXEMPTION]

(f) [NA - NOT TEMPORARY REPLACEMENT UNITS]

[73 FR 3591, Jan. 18, 2008, as amended at 76 FR 37972, June 28, 2011; 86 FR 34360, June 29, 2021]

Emission Standards for Owners and Operators

§ 60.4233 What emission standards must I meet if I am an owner or operator of a stationary SI internal combustion engine?

(a) [NA - UNIT(S) > 25 HP]

(b) [NA - UNIT(S) DO NOT BURN GASOLINE]

(c) [NA - UNIT(S) ARE LEAN BURN]

(d) [NA - UNITS > 100 HP]

(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. For owners and operators of stationary SI ICE with a maximum engine power greater than or equal to 100 HP (except gasoline and rich burn engines that use LPG) manufactured prior to January 1, 2011 that were certified to the certification emission standards in 40 CFR part 1048 applicable to engines that are not severe duty engines, if such stationary SI ICE was certified to a carbon monoxide (CO) standard above the standard in Table 1 to this subpart, then the owners and operators may meet the CO certification (not field testing) standard for which the engine was certified.

TABLE 1 REQUIREMENTS:

Table 1 to Subpart JJJJ of Part 60—NO_x, 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

Engine type and fuel: Emergency

Maximum engine power: HP ≥ 130

Emission standards*:

NO_x (g/HP-hr): 2.0

**SECTION E. Source Group Plan Approval Restrictions.**

CO (g/HP-hr): 4.0
VOC ^{**}(g/HP-hr): 1.0
NO_x (ppmvd at 15% O₂): 160
CO (ppmvd at 15% O₂): 540
VOC ^{**}(ppmvd at 15% O₂): 86

*Owners and operators of stationary non-certified SI engines may choose to comply with the emission standards in units of either g/HP-hr or ppmvd at 15 percent O₂.

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

END OF TABLE 1 REQUIREMENTS

(f) [NA - UNIT(S) NOT MODIFIED OR RECONSTRUCTED]

(g) [NA - STATIONARY WELLHEAD GAS NOT USED]

(h) Owners and operators of stationary SI ICE that are required to meet standards that reference 40 CFR 1048.101 must, if testing their engines in use, meet the standards in that section applicable to field testing, except as indicated in paragraph (e) of this section.

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

§ 60.4234 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.

Other Requirements for Owners and Operators

§ 60.4235 What fuel requirements must I meet if I am an owner or operator of a stationary SI gasoline fired internal combustion engine subject to this subpart?

[NA - UNIT(S) DO NOT BURN GASOLINE]

§ 60.4236 What is the deadline for importing or installing stationary SI ICE produced in previous model years?

(a) [NA - UNITS > 500 HP]

(b) After July 1, 2009, owners and operators may not install stationary SI ICE with a maximum engine power of greater than or equal to 500 HP that do not meet the applicable requirements in § 60.4233, except that lean burn engines with a maximum engine power greater than or equal to 500 HP and less than 1,350 HP that do not meet the applicable requirements in § 60.4233 may not be installed after January 1, 2010.

(c) For emergency stationary SI ICE with a maximum engine power of greater than 19 KW (25 HP), owners and operators may not install engines that do not meet the applicable requirements in § 60.4233 after January 1, 2011.

(d) [NA - IMPORTATION NOT RELEVANT IN THIS CASE]

(e) The requirements of this section do not apply to owners and operators of stationary SI ICE that have been modified or reconstructed, and they do not apply to engines that were removed from one existing location and reinstalled at a new location.

§ 60.4237 What are the monitoring requirements if I am an owner or operator of an emergency stationary SI internal combustion engine?

**SECTION E. Source Group Plan Approval Restrictions.**

(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) [NA - UNITS(S) < 500 HP]

(c) [NA - UNIT(S) > 130 HP]

Compliance Requirements for Owners and Operators

§ 60.4243 What are my compliance requirements if I am an owner or operator of a stationary SI internal combustion engine?

(a) [THIS SECTION APPLIES, AS REFERENCED BACK FROM 60.4243(b)(1)] If you are an owner or operator of a stationary SI internal combustion engine that is manufactured after July 1, 2008, and must comply with the emission standards specified in § 60.4233(a) through (c), you must comply by purchasing an engine certified to the emission standards in § 60.4231(a) through (c), as applicable, for the same engine class and maximum engine power. In addition, you must meet one of the requirements specified in (a)(1) and (2) of this section.

(1) If you operate and maintain the certified stationary SI internal combustion engine and control device according to the manufacturer's emission-related written instructions, you must keep records of conducted maintenance to demonstrate compliance, but no performance testing is required if you are an owner or operator. You must also meet the requirements as specified in 40 CFR part 1068, subparts A through D, as they apply to you. If you adjust engine settings according to and consistent with the manufacturer's instructions, your stationary SI internal combustion engine will not be considered out of compliance.

(2) If you do not operate and maintain the certified stationary SI internal combustion engine and control device according to the manufacturer's emission-related written instructions, your engine will be considered a non-certified engine, and you must demonstrate compliance according to (a)(2)(i) through (iii) of this section, as appropriate.

(i) [NA - UNIT(S) >= 100 HP]

(ii) [NA - UNIT(S) > 500 HP]

(iii) 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 within 1 year of engine startup and conduct subsequent performance testing every 8,760 hours or 3 years, whichever comes first, thereafter to demonstrate compliance.

(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) Purchasing an engine certified according to procedures specified in this subpart, for the same model year and demonstrating compliance according to one of the methods specified in paragraph (a) of this section.

(2) [NA - CERTIFIED ENGINE(S) PURCHASED]

(c) [NA - UNIT(S) NOT MODIFIED OR RECONSTRUCTED]

(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.

**SECTION E. Source Group Plan Approval Restrictions.**

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

(ii) [Reserved]

(e) [NA - EXCLUSIVE USE OF NATURAL GAS]

(f) [NA - UNITS(S) > 500 HP]

(g) [NA - CATALYSTS NOT EMPLOYED]

(h) [NA - MANUFACTURED AFTER JULY 1, 2008]

(i) [NA - UNIT(S) NOT MODIFIED OR RECONSTRUCTED]

[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]

Testing Requirements for Owners and Operators

**SECTION E. Source Group Plan Approval Restrictions.**

§ 60.4244 What test methods and other procedures must I use if I am an owner or operator of a stationary SI internal combustion engine?

[NA – TESTING NOT REQUIRED FOR CERTIFIED UNITS WHICH ARE NOT ALTERED PER 60.4243(f)]

Notification, Reports, and Records for Owners and Operators

§ 60.4245 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. For all stationary SI emergency ICE greater than or equal to 130 HP and less than 500 HP manufactured on or after July 1, 2011 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. For all stationary SI emergency ICE greater than 25 HP and less than 130 HP manufactured on or after July 1, 2008, 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. 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) [NA - UNIT(S) ARE CERTIFIED ENGINES]

(d) [NA – TESTING NOT REQUIRED FOR CERTIFIED UNITS WHICH ARE NOT ALTERED PER 60.4243(f)]

(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]

**SECTION E. Source Group Plan Approval Restrictions.**

(vi) 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) (<http://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) [NA - PERFORMANCE TESTS NOT REQUIRED]

(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 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, 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 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.

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(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.

(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]

**SECTION E. Source Group Plan Approval Restrictions.****General Provisions**

§ 60.4246 What General Provisions and confidential information provisions apply to me?

(a) Table 3 to this subpart shows which parts of the General Provisions in §§ 60.1 through 60.19 apply to you.

(b) The provisions of 40 CFR 1068.10 and 1068.11 apply for engine manufacturers. For others, the general confidential business information (CBI) provisions apply as described in 40 CFR part 2.

[88 FR 4471, Jan. 24, 2023]

Regulatory Changes

Individual sources within this source group that are subject to 40 CFR Part 60 Subpart JJJJ shall comply with all applicable requirements of the Subpart. 40 CFR 63.13(a) requires submission of copies of all requests, reports and other communications to both the Department and the EPA. The EPA copies shall be forwarded to:

Director
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

Unless otherwise approved by DEP, the DEP copies shall be reported through the Department's Greenport PUP system available through: <https://greenport.pa.gov/ePermitPublicAccess/PublicSubmission/Home>

In the event that the Federal Subpart that is the subject of this Source Group is revised, the permittee shall comply with the revised version of the subpart, and shall not be required to comply with any provisions in this permit designated as having the subpart as their authority, to the extent that such permit provisions would be inconsistent with the applicable provisions of the revised subpart.

**SECTION E. Source Group Plan Approval Restrictions.**

Group Name: 06

Group Description: NSPS Subpart OOOOb Affected Sources

Sources included in this group

ID	Name
106	SOLAR TAURUS 70 GAS TURBINE 4
P001	FUGITIVE EMISSIONS

I. RESTRICTIONS.

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

IV. RECORDKEEPING REQUIREMENTS.

No additional record keeping requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

VII. ADDITIONAL REQUIREMENTS.

001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.5360b]

Subpart OOOOb - Standards of Performance for Crude Oil and Natural Gas Facilities for Which Construction, Modification or Reconstruction Commenced After December 6, 2022

§ 60.5360b What is the purpose of this subpart?

(a) This subpart establishes emission standards and compliance schedules for the control of volatile organic compounds (VOC) and sulfur dioxide (SO₂) emissions from affected facilities in the crude oil and natural gas source category that commence construction, modification, or reconstruction after December 6, 2022.

(b) [NA – NOT A TITLE V FACILITY]

§ 60.5365b Am I subject to this subpart?

You are subject to the applicable provisions of this subpart if you are the owner or operator of one or more of the onshore affected facilities listed in paragraphs (a) through (i) of this section, that is located within the Crude Oil and Natural Gas source category, as defined in § 60.5430b, for which you commence construction, modification, or reconstruction after December 6, 2022.

**SECTION E. Source Group Plan Approval Restrictions.**

(a) [NA – NOT A WELL AFFECTED FACILITY]

(b) Each centrifugal compressor affected facility, which is a single centrifugal compressor. A centrifugal compressor located at a well site is not an affected facility under this subpart. A centrifugal compressor located at a centralized production facility is an affected facility under this subpart.

(c) [NA – NOT A RECIPROCATING COMPRESSOR AFFECTED FACILITY BECAUSE THE TWO ELECTRIC RECIPROCATING COMPRESSORS AT THE SITE WERE INSTALLED BEFORE 12/6/22]

(d) [NA – PROCESS CONTROLLERS ARE NOT DRIVEN BY NATURAL GAS]

(e) [NA – NOT A STORAGE VESSEL AFFECTED FACILITY BECAUSE THERE IS NO SINGLE STORAGE VESSEL WITH THE POTENTIAL FOR VOC EMISSIONS EQUAL TO OR GREATER THAN 6 TPY AS DETERMINED ACCORDING TO THIS SECTION.]

(f) [NA – NOT A NATURAL GAS PROCESSING PLANT]

(g) [NA – NO SWEETENING UNITS LOCATED ONSITE]

(h) [NA – NOT A PNEUMATIC PUMP AFFECTED FACILITY BECAUSE THERE ARE NO PNEUMATIC PUMPS INSTALLED AFTER 12/6/22.]

(i) Each fugitive emissions components affected facility, which is the collection of fugitive emissions components at a well site, centralized production facility, or a compressor station.

(1) [NA – FACILITY IS NOT A WELL SITE]

(2) [NA – FACILITY IS NOT A CENTRALIZED PRODUCTION FACILITY]

(3) For purposes of §§ 60.5397b and 60.5398b, a “modification” to a compressor station occurs when:

(i) An additional compressor is installed at a compressor station; or

(ii) One or more compressors at a compressor station is replaced by one or more compressors of greater total horsepower than the compressor(s) being replaced. When one or more compressors is replaced by one or more compressors of an equal or smaller total horsepower than the compressor(s) being replaced, installation of the replacement compressor(s) does not trigger a modification of the compressor station for purposes of §§ 60.5397b and 60.5398b.

[89 FR 17043, Mar. 8, 2024, as amended at 89 FR 62888, Aug. 1, 2024]

§ 60.5370b When must I comply with this subpart?

(a) You must be in compliance with the standards of this subpart no later than May 7, 2024 or upon initial startup, whichever date is later, except as specified in paragraph (a)(7) of this section for centrifugal compressor affected facilities.

(1) [NA – NOT A RECIPROCATING COMPRESSOR AFFECTED FACILITY]

(2)-(3) [NA – NOT A STORAGE VESSEL AFFECTED FACILITY]

(4) [NA – NOT A NATURAL GAS PROCESSING PLANT]

(5) [NA – NOT A PROCESS CONTROLLER AFFECTED FACILITY]

(6) [NA – NOT A PUMP AFFECTED FACILITY]

(7) For centrifugal compressor affected facilities, you must comply with the requirements of paragraph (a)(7)(i) or (ii) of this section, as applicable.

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(i) [NA – CENTRIFUGAL COMPRESSOR HAS DRY SEALS]

(ii) Each centrifugal compressor affected facility that uses dry seals, each self-contained wet seal compressor, and each centrifugal compressor on the Alaska North Slope equipped with sour seal oil separator and capture system, complying with one of the alternatives in § 60.5380b(a)(4), (5), or (6), must comply with the specified performance-based volumetric flow rate work practice standards on or before 8,760 hours of operation after May 7, 2024, on or before 8,760 hours of operation after last seal replacement, or on or before 8,760 hours of operation after startup, whichever date is later.
[COMPRESSOR WITH DRY SEALS MUST COMPLY WITH § 60.5380b(a)(6)]

(b) At all times, including periods of startup, shutdown, and malfunction, owners and operators shall maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source. The provisions for exemption from compliance during periods of startup, shutdown and malfunctions provided for in 40 CFR 60.8(c) do not apply to this subpart.

(c) You are exempt from the obligation to obtain a permit under 40 CFR part 70 or 40 CFR part 71, provided you are not otherwise required by law to obtain a permit under 40 CFR 70.3(a) or 40 CFR 71.3(a). Notwithstanding the previous sentence, you must continue to comply with the provisions of this subpart.

[89 FR 17043, Mar. 8, 2024, as amended at 89 FR 62891, Aug. 1, 2024]

§ 60.5371b What GHG and VOC standards apply to super-emitter events?

This section applies to super-emitter events. For purposes of this section, a super-emitter event is defined as any emissions event that is located at or near an oil and natural gas facility (e.g., individual well site, centralized production facility, natural gas processing plant, or compressor station) and that is detected using remote detection methods and has quantified emission rate of 100 kg/hr of methane or greater. Paragraph (a) of this section describes the qualifications one must meet to apply to be a third-party notifier of super-emitter events. Paragraph (b) of this section describes the procedures for certifying third-party notifiers, as well as the procedures for petitioning the Agency for removal of a third-party notifier from the list of certified notifiers. Paragraph (c) of this section contains the required information that must be included in any notification submitted to the EPA from a certified third-party notifier and a timetable for notifications. The EPA shall review these notifications and if the EPA determines the notification is complete and does not contain information that the EPA finds to be erroneous or inaccurate to a reasonable degree of certainty, the EPA shall assign the notification a unique notification identification number, provide the notification to the owner or operator of the oil and natural gas facility identified in the notification, and post the notification, except for the owner/operator attribution, at www.epa.gov/super-emitter. Upon receiving such notification, owners or operators must take the actions listed in paragraphs (d) and (e) of this section. The EPA shall post the reports submitted under paragraph (e) of this section, § 60.5371(b) and § 60.5371a(b) of subparts OOOO and OOOOa of this part, and applicable State or Federal plan implementing § 60.5388c(b) of subpart OOOOc of this part, including owner/operator attributions that have been confirmed by the reports; where the reporting deadlines have passed but no reports have been received, the EPA intends to post owner/operator attributions that the EPA reasonably believes to be accurate. The reports will be publicly available at www.epa.gov/super-emitter.

[PARAGRAPHS (a), (b) AND (c) OMITTED AS THEY RELATE ONLY TO THIRD PARTY NOTIFIERS]

(d) Identification of super-emitter events. Within 5 calendar days of receiving a notification from the EPA of a super-emitter event, the owner or operator of an oil and natural gas facility (e.g., a well site, centralized production facility, natural gas processing plant, or compressor station) must initiate a super-emitter event investigation. The investigation must be conducted in accordance with this paragraph (d) and completed within 15 days of receiving the notification from the EPA. The owner or operator must maintain records of its super-emitter event investigations and report the findings from the investigation according to the requirements in paragraph (e) of this section.

(1) If you do not own or operate an oil and natural gas facility within 50 meters from the latitude and longitude provided in the notification, report this result to the EPA under paragraph (e) of this section. Your super-emitter event investigation is deemed complete.

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(2) If you own or operate an oil and natural gas facility within 50 meters from the latitude and longitude provided in the notification, you must investigate to determine the source of super-emitter event. The investigation may include but is not limited to the actions specified below in paragraphs (d)(2)(i) through (v) of this section.

(i) Review any maintenance activities (e.g., liquids unloading) or process activities from the affected facilities subject to regulation under this subpart, starting from the date of detection of the super-emitter event as identified in the notification, until the date of investigation, to determine if the activities indicate any potential source(s) of the super-emitter event emissions.

(ii) Review all monitoring data from control devices (e.g., flares) from the affected facilities subject to regulation under this subpart from the initial date of detection of the super-emitter event as identified in the notification until the date of receiving the notification from the EPA. Identify any malfunctions of control devices or periods when the control devices were not in compliance with applicable requirements and that indicate a potential source of the super-emitter event emissions.

(iii) If you conducted a fugitive emissions survey or periodic screening event in accordance with § 60.5397b or § 60.5398b(b) between the initial date of detection of the super-emitter event as identified in the notification and the date the notification from the EPA was received, review the results of the survey to identify any potential source(s) of the super-emitter event emissions.

(iv) If you conduct continuous monitoring with advanced methane detection technology in accordance with § 60.5398b(c), review the monitoring data collected on or after the initial date of detection of the super-emitter event as identified in the notification, until the date of receiving the notification from the EPA.

(v) Screen the entire oil and natural gas facility with OGI, Method 21 of appendix A-7 to this part, or an alternative test method(s) approved per § 60.5398b(d), to determine if a super-emitter event is present.

(3) If the source of the super-emitter event was found to be from fugitive emission components at a well site, centralized production facility, or compressor station subject to this subpart, you must comply with the repair requirements under § 60.5397b and the associated recordkeeping and reporting requirements under § 60.5420b(b)(9) and (c)(14).

(e) Super-emitter event report. You must submit the results of the super-emitter event investigation conducted under paragraph (d) of this section to the EPA in accordance with paragraph (e)(1) of this section. If the super-emitter event (i.e., emission at 100 kg/hr of methane or more) is ongoing at the time of the initial report, submit the additional information in accordance with paragraph (e)(2) of this section. You must attest to the information included in the report as specified in paragraph (e)(3) of this section.

(1) Within 15 days of receiving a notification from the EPA under paragraph (c) of this section, you must submit a report of the super-emitter event investigation conducted under paragraph (d) of this section through the Super-Emitter Program Portal. You must include the applicable information in paragraphs (e)(1)(i) through (viii) of this section in the report. If you have identified a demonstrable error in the notification, the report may include a statement of the demonstrable error.

(i) Notification Report ID of the super-emitter event notification.

(ii) Identification of whether you are the owner or operator of an oil and natural gas facility within 50 meters from the latitude and longitude provided in the EPA notification. If you do not own or operate an oil and natural gas facility within 50 meters from the latitude and longitude provided in the EPA notification, you are not required to report the information in paragraphs (e)(1)(iii) through (viii) of this section.

(iii) General identification information for the facility, including, facility name, the physical address, applicable ID Number (e.g., EPA ID Number, API Well ID Number), the owner or operator or responsible official (where applicable) and their email address.

(iv) Identification of whether there is an affected facility or associated equipment subject to regulation under this subpart at this oil and natural gas facility.

(v) Indication of whether you were able to identify the source of the super-emitter event. If you indicate you were unable to identify the source of the super-emitter event, you must certify that all applicable investigations specified in paragraphs

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(d)(2)(i) through (v) of this section have been conducted for all affected facilities and associated equipment subject to this subpart that are at this oil and natural gas facility, and you have determined that the affected facilities and associated equipment are not the source of the super-emitter event. If you indicate that you were not able to identify the source of the super-emitter event, you are not required to report the information in paragraphs (e)(1)(vi) through (viii) of this section.

(vi) The source(s) of the super-emitter event.

(vii) Identification of whether the source of the super-emitter event is equipment subject to regulation under this subpart. If the source of the super-emitter event is equipment subject to regulation under this subpart, identify the applicable regulation(s) under this subpart.

(viii) Indication of whether the super-emitter event is ongoing at the time of the initial report submittal (i.e., emissions at 100 kg/hr of methane or more).

(A) If the super-emitter event is not ongoing at the time of the initial report submittal, provide the actual (or if unknown) estimated date and time the super-emitter event ended.

(B) If the super-emitter event is ongoing at the time of the initial report submittal, provide a short narrative of your plan to end the super-emitter event, including the targeted end date for the efforts to be completed and the super-emitter event ended.

(2) If the super-emitter event is ongoing at the time of the initial report submittal, within 5 business days of the date the super-emitter event ends, you must update your initial report through the Super-Emitter Program Portal to provide the end date and time of the super-emitter event.

(3) You must sign the following attestation when submitting data into the Super-Emitter Program Portal: "I certify that the information provided in this report regarding the specified super-emitter event was prepared under my direction or supervision. I further certify that the investigations were conducted, and this report was prepared pursuant to the requirements of § 60.5371b(d) and (e). Based on my professional knowledge and experience, and inquiry of personnel involved in the assessment, the certification submitted herein is true, accurate, and complete. I am aware that knowingly false statements may be punishable by fine or imprisonment."

[89 FR 17043, Mar. 8, 2024, as amended at 89 FR 62891, Aug. 1, 2024]

§ 60.5375b What GHG and VOC standards apply to well completions at well affected facilities? [NA – NOT A WELL AFFECTED FACILITY]

§ 60.5376b What GHG and VOC standards apply to gas well liquids unloading operations at well affected facilities? [NA – NOT A WELL AFFECTED FACILITY]

§ 60.5377b What GHG and VOC standards apply to associated gas wells at well affected facilities? [NA – NOT A WELL AFFECTED FACILITY]

§ 60.5380b What GHG and VOC standards apply to centrifugal compressor affected facilities?

Each centrifugal compressor affected facility must comply with the GHG and VOC standards in paragraphs (a) through (d) of this section.

(a) Each centrifugal compressor affected facility that uses dry seals must comply with paragraphs (a)(6) through (8) of this section, or with the alternatives in paragraph (a)(9) of this section. [NOTE: THE REST OF THIS PARAGRAPH DOES NOT APPLY AND HAS BEEN DELETED FOR BREVITY]

(1)-(4) [NA – AFFECTED CENTRIFUGAL COMPRESSOR(S) HAVE DRY SEALS]

(5) [NA – NOT IN THE REQUIRED GEOGRAPHIC AREA]

(6) If you own or operate a centrifugal compressor equipped with dry seals, you must comply with the GHG and VOC requirements as specified in paragraphs (a)(6)(i) through (iii), using volumetric flow rate as a surrogate. You must

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determine the volumetric flow rate in accordance with paragraph (a)(7)(iii) of this section.

(i) The volumetric flow rate per seal must not exceed 10 standard cubic feet per minute (scfm) per seal. If the individual seals are manifolded to a single open-ended vent line, the volumetric flow rate must not exceed the sum of the individual seals multiplied by 10 scfm. If the volumetric flow rate, measured in accordance with paragraph (a)(7)(iii) of this section exceeds 10 scfm multiplied by the number of dry seals connected to the vent, the seals connected to the measured vent must be repaired as provided in paragraph (a)(8) of this section.

(ii) You must conduct your first volumetric flow rate measurement from your centrifugal compressor equipped with a dry seal on or before 8,760 hours of operation after May 7, 2024 or on or before 8,760 hours of operation after startup, whichever date is later.

(iii) You must conduct subsequent volumetric flow rate measurements from your centrifugal compressor equipped with dry seals on or before 8,760 hours of operation after the previous measurement which demonstrates compliance with the 10 scfm volumetric flow rate per seal. If the individual seals are manifolded to a single open-ended vent line, the volumetric flow rate must not exceed the sum of the individual seals multiplied by 10 scfm.

(7) You must determine the volumetric flow rate for your centrifugal compressor, as specified in paragraphs (a)(7)(i) through (iii) of this section.

(i) [NA – AFFECTED CENTRIFUGAL COMPRESSOR(S) HAVE DRY SEALS]

(ii) [NA – NOT IN THE REQUIRED GEOGRAPHIC AREA]

(iii) You must determine the volumetric flow rate from your centrifugal compressor equipped with dry seals as specified in paragraph (a)(7)(iii)(A) or (B) of this section. If the volumetric flow rate exceeds 10 scfm multiplied by the number of dry seals connected to the vent, the dry seals connected to the measured vent must be repaired as provided in paragraph (a)(8) of this section.

(A) For centrifugal compressors equipped with dry seals in operating-mode or in standby-pressurized-mode, determine volumetric flow rate at standard conditions from each centrifugal compressor equipped with dry seals using one of the methods specified in paragraphs (a)(7)(iii)(A)(1) through (3) of this section.

(1) You may choose to use any of the methods set forth in § 60.5386b(a) to screen for leaks/emissions. For the purposes of this paragraph, when using any of the methods in § 60.5386b(a), emissions are detected whenever a leak is detected according to the method. If emissions are detected using the methods set forth in § 60.5386b(a), then you must use one of the methods specified in paragraph (a)(7)(iii)(A)(2) or (3) of this section to determine the volumetric flow rate. If emissions are not detected using the methods in § 60.5386b(a), then you may assume that the volumetric emissions are zero.

(2) Use a temporary or permanent flow meter according to methods set forth in § 60.5386b(b).

(3) [NA – HIGH VOLUME SAMPLER NOT USED]

(B) [NA – CENTRIFUGAL COMPRESSORS ARE NOT MANIFOLDED]

(8) The seal must be repaired within 90 calendar days after the date of the volumetric emissions measurement that exceeds the applicable required flow rate per seal. You must conduct follow-up volumetric flow rate measurements from seal vents using the methods specified in paragraph (a)(7) of this section within 15 days after the repair to document that the rate has been reduced to less than the applicable required flow rate per seal. If the individual seals are manifolded to a single open-ended vent line or vent, the volumetric flow rate must be reduced to less than the sum of the individual seals multiplied by the applicable required flow rate per seal specified in paragraph (a)(4) through (6) of this section, as applicable. Delay of repair will be allowed if the conditions in paragraphs (a)(8)(i) or (ii) of this section are met.

(i) If the repair of the wet or dry seal is technically infeasible, would require a vent blowdown, a compressor station shutdown, or would be unsafe to repair during operation of the unit, the repair must be completed during the next scheduled compressor station shutdown for maintenance, after a scheduled vent blowdown, or within 2 years of the date of the volumetric emissions measurement that exceeds the applicable required flow rate per seal, whichever is earliest. A vent

**SECTION E. Source Group Plan Approval Restrictions.**

blowdown is the opening of one or more blowdown valves to depressurize major production and processing equipment, other than a storage vessel.

(ii) If the repair requires replacement of the compressor seal or a part thereof, but the replacement cannot be acquired and installed within the repair timelines specified under this section due to the condition specified in paragraph (a)(8)(ii)(A) of this section, the repair must be completed in accordance with paragraph (a)(8)(ii)(B) of this section and documented in accordance with § 60.5420b(c)(4)(iii)(F) through (H).

(A) Seal or part thereof supplies had been sufficiently stocked but are depleted at the time of the required repair.

(B) The required replacement must be ordered no later than 10 calendar days after the centrifugal compressor seal is added to the delay of repair list due to parts unavailability. The repair must be completed as soon as practicable, but no later than 30 calendar days after receipt of the replacement seal or part, unless the repair requires a compressor station shutdown. If the repair requires a compressor station shutdown, the repair must be completed in accordance with the timeframe specified in paragraph (a)(8)(i) of this section.

(9) [NA – ALTERNATIVE COMPLIANCE METHOD NOT USED]

(b) You must demonstrate initial compliance with the standards that apply to centrifugal compressor affected facilities as required by § 60.5410b(d).

(c) You must demonstrate continuous compliance with the standards that apply to centrifugal compressor affected facilities as required by § 60.5415b(d).

(d) You must perform the reporting as required by § 60.5420b(b)(1) and (5), and (b)(11) through (13), as applicable; and the recordkeeping as required by § 60.5420b(c)(4), and (8) through (13), as applicable.

§ 60.5385b What GHG and VOC standards apply to reciprocating compressor affected facilities? [NA – NOT A RECIPROCATING COMPRESSOR AFFECTED FACILITY]

§ 60.5386b What test methods and procedures must I use for my centrifugal compressor and reciprocating compressor affected facilities?

(a) You must use one of the methods described in paragraph (a)(1) and (2) of this section to screen for emissions or leaks from the reciprocating compressor rod packing when complying with § 60.5385b(b)(1)(iii) and from applicable wet seal centrifugal compressor and dry seal centrifugal compressor vents when complying with § 60.5380b(a)(3) through (6).

(1) OGI instrument. Use an OGI instrument for equipment leak detection as specified in either paragraph (a)(1)(i) or (ii) of this section. For the purposes of paragraphs (a)(1)(i) and (ii) of this section, any visible emissions observed by the OGI instrument from reciprocating rod packing or compressor dry or wet seal vent is a leak.

(i) [NA – NOT AN ONSHORE NATURAL GAS PROCESSING PLANT]

(ii) OGI instrument as specified in § 60.5397b of this subpart. For reciprocating compressor, applicable wet seal centrifugal compressor, and dry seal centrifugal compressor affected facilities located at centralized production facilities, compressor stations, or other location that is not an onshore natural gas processing plant, use an OGI instrument to screen for emissions from reciprocating rod packing or compressor dry seals in accordance with the elements of § 60.5397b(c)(7).

(2) [NA – METHOD 21 NOT USED]

(b) You must determine natural gas volumetric flow rate using a rate meter which meets the requirement in Method 2D in appendix A-1 of this part. Rate meters must be calibrated on an annual basis according to the requirements in Method 2D.

(c)-(d) [NA – HIGH VOLUME SAMPLER NOT USED]

[89 FR 17043, Mar. 8, 2024, as amended at 89 FR 62892, Aug. 1, 2024]

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§ 60.5390b What GHG and VOC standards apply to process controller affected facilities? [NA – NOT A PROCESS CONTROLLER AFFECTED FACILITY]

§ 60.5393b What GHG and VOC standards apply to pump affected facilities? [NA – NOT A PUMP AFFECTED FACILITY]

§ 60.5395b What GHG and VOC standards apply to storage vessel affected facilities? [NA – NOT A STORAGE VESSEL AFFECTED FACILITY]

§ 60.5397b What GHG and VOC standards apply to fugitive emissions components affected facilities?

This section applies to fugitive emissions components affected facilities. You must comply with the requirements of paragraphs (a) through (l) of this section to reduce fugitive emissions of methane and VOC. The requirements of this section are independent of the cover and closed vent system requirements of § 60.5411b.

(a) General requirements. You must monitor all fugitive emissions components affected facilities in accordance with paragraphs (b) through (g) of this section. You must repair all sources of fugitive emissions in accordance with paragraph (h) of this section. You must demonstrate initial compliance in accordance with paragraph (i) of this section. You must keep records in accordance with paragraph (j) of this section and report in accordance with paragraph (k) of this section. You must meet the requirements for well closures in accordance with paragraph (l) of this section.

(b) Develop fugitive emissions monitoring plan. You must develop a fugitive emissions monitoring plan that covers all fugitive emissions components affected facilities within each company-defined area in accordance with paragraphs (c) and (d) of this section.

(c) Elements of fugitive emissions monitoring plan. Your fugitive emissions monitoring plan must include the elements specified in paragraphs (c)(1) through (8) of this section, at a minimum.

(1) Frequency for conducting surveys. Surveys must be conducted at least as frequently as required by paragraphs (f) and (g) of this section.

(2) Technique for determining fugitive emissions (i.e., AVO or other detection methods, Method 21 of appendix A-7 to this part, and/or OGI and meeting the requirements of paragraphs (c)(7)(i) through (vii) of this section).

(3) Manufacturer and model number of fugitive emissions detection equipment to be used, if applicable.

(4) Procedures and timeframes for identifying and repairing fugitive emissions components from which fugitive emissions are detected, including timeframes for fugitive emission components that are unsafe to repair. Your repair schedule must meet the requirements of paragraph (h) of this section at a minimum.

(5) Procedures and timeframes for verifying fugitive emission component repairs.

(6) Records that will be kept and the length of time records will be kept.

(7) If you are using OGI, your plan must also include the elements specified in paragraphs (c)(7)(i) through (vii) of this section.

(i) Verification that your OGI equipment meets the specifications of paragraphs (c)(7)(i)(A) and (B) of this section. This verification is an initial verification, and may either be performed by the facility, by the manufacturer, or by a third party. For the purposes of complying with the fugitive emissions monitoring program with OGI, fugitive emissions are defined as any visible emissions observed using OGI.

(A) Your OGI equipment must be capable of imaging gases in the spectral range for the compound of highest concentration in the potential fugitive emissions.

(B) Your OGI equipment must be capable of imaging a gas that is half methane, half propane at a concentration of 10,000 ppm at a flow rate of =60 g/hr from a quarter inch diameter orifice.

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(ii) Procedure for a daily verification check.

(iii) Procedure for determining the operator's maximum viewing distance from the equipment and how the operator will ensure that this distance is maintained.

(iv) Procedure for determining maximum wind speed during which monitoring can be performed and how the operator will ensure monitoring occurs only at wind speeds below this threshold.

(v) Procedures for conducting surveys, including the items specified in paragraphs (c)(7)(v)(A) through (C) of this section.

(A) How the operator will ensure an adequate thermal background is present in order to view potential fugitive emissions.

(B) How the operator will deal with adverse monitoring conditions, such as wind.

(C) How the operator will deal with interferences (e.g., steam).

(vi) Training and experience needed prior to performing surveys.

(vii) Procedures for calibration and maintenance. At a minimum, procedures must comply with those recommended by the manufacturer.

(8) [NA – METHOD 21 NOT USED]

(d) Additional elements of fugitive emissions monitoring plan. Each fugitive emissions monitoring plan must include the elements specified in paragraphs (d)(1) and (2) of this section, at a minimum, as applicable.

(1) If you are using OGI, your plan must include procedures to ensure that all fugitive emissions components, except buried yard piping and associated components (e.g., connectors), are monitored during each survey. Example procedures include, but are not limited to, a sitemap with an observation path, a written narrative of where the fugitive emissions components are located and how they will be monitored, or an inventory of fugitive emissions components.

(2) [NA – METHOD 21 NOT USED]

(e) Monitoring of fugitive emissions components. Each fugitive emissions component, except buried yard piping and associated components (e.g., connectors), shall be observed or monitored for fugitive emissions during each monitoring survey.

(f) Initial monitoring survey. You must conduct initial monitoring surveys according to the requirements specified in paragraphs (f)(1) through (4) of this section.

(1)-(2) [NA – NOT A WELL FACILITY]

(3) For a modified or reconstructed fugitive emissions components affected facility, the initial monitoring survey must be conducted within 90 days of the startup of production for each fugitive emissions components affected facility after the modification or reconstruction or by June 6, 2024, whichever date is later.

(4) [NA – NOT IN THE REQUIRED GEOGRAPHIC AREA]

(g) Monitoring frequency. A monitoring survey of each fugitive emissions components affected facility must be performed as specified in paragraph (g)(1) of this section, with the exceptions noted in paragraphs (g)(2) through (4) of this section.
[NOTE: THE REST OF THIS PARAGRAPH DOES NOT APPLY AND HAS BEEN DELETED FOR BREVITY]

(1) A monitoring survey of the fugitive emissions components affected facilities must be conducted using the methods and at the frequencies specified in paragraphs (g)(1)(i) through (vi) of this section.

(i) - (iv) [NA – NOT A WELL FACILITY OR A CENTRALIZED PRODUCTION FACILITY]

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(v) A monitoring survey of the fugitive emissions components affected facility located at a compressor station must be conducted at the frequencies in paragraphs (g)(1)(v)(A) and (B) of this section, except as specified in paragraph (g)(1)(vi) of this section,

(A) A monitoring survey must be conducted at least monthly using AVO, or any other detection method, after the initial survey. Any indications of fugitive emissions using these methods are considered fugitive emissions that must be repaired in accordance with paragraph (h) of this section.

(B) A monitoring survey must be conducted at least quarterly using OGI or Method 21 of appendix A-7 to this part after the initial survey. Consecutive quarterly monitoring surveys must be conducted at least 60 calendar days apart.

(vi) [NA – NOT IN THE REQUIRED GEOGRAPHIC AREA]

(2)-(3) [NA – METHOD 21 NOT USED]

(4) The requirements of paragraphs (g)(1)(iv)(F) and (g)(1)(v)(B) of this section are waived during a quarterly monitoring period for any fugitive emissions components affected facility located within an area that has an average calendar month temperature below 0 degrees Fahrenheit for two of three consecutive calendar months of a quarterly monitoring period. The calendar month temperature average for each month within the quarterly monitoring period must be determined using historical monthly average temperatures over the previous three years as reported by a National Oceanic and Atmospheric Administration source or other source approved by the Administrator. The requirements of paragraph (g)(1)(iv) and (v) of this section shall not be waived for two consecutive quarterly monitoring periods.

(h) Repairs. Each identified source of fugitive emissions shall be repaired in accordance with paragraphs (h)(1) and (2) of this section.

(1) A first attempt at repair shall be made in accordance with paragraphs (h)(1)(i) and (ii) of this section.

(i) A first attempt at repair shall be made no later than 15 calendar days after detection of fugitive emissions that were identified using AVO.

(ii) If you are complying with paragraph (g)(1)(i) through (vi) of this section using OGI or Method 21 of appendix A-7 to this part, a first attempt at repair shall be made no later than 30 calendar days after detection of the fugitive emissions.

(2) Repair shall be completed as soon as practicable, but no later than 15 calendar days after the first attempt at repair as required in paragraph (h)(1)(i) of this section, and 30 calendar days after the first attempt at repair as required in paragraph (h)(1)(ii) of this section.

(3) Delay of repair will be allowed if the conditions in paragraphs (h)(3)(i) or (ii) of this section are met.

(i) If the repair is technically infeasible, would require a vent blowdown, a compressor station shutdown, a well shutdown or well shut-in, or would be unsafe to repair during operation of the unit, the repair must be completed during the next scheduled compressor station shutdown for maintenance, scheduled well shutdown, scheduled well shut-in, after a scheduled vent blowdown, or within 2 years of detecting the fugitive emissions, whichever is earliest. A vent blowdown is the opening of one or more blowdown valves to depressurize major production and processing equipment, other than a storage vessel.

(ii) If the repair requires replacement of a fugitive emissions component or a part thereof, but the replacement cannot be acquired and installed within the repair timelines specified in paragraphs (h)(1) and (2) of this section due to either of the conditions specified in paragraph (h)(3)(ii)(A) or (B) of this section, the repair must be completed in accordance with paragraph (h)(3)(ii)(C) of this section and documented in accordance with § 60.5420b(c)(14)(v)(I).

(A) Valve assembly supplies had been sufficiently stocked but are depleted at the time of the required repair.

(B) A replacement fugitive emissions component or a part thereof requires custom fabrication.

(C) The required replacement must be ordered no later than 10 calendar days after the first attempt at repair. The repair

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must be completed as soon as practicable, but no later than 30 calendar days after receipt of the replacement component, unless the repair requires a compressor station or well shutdown. If the repair requires a compressor station or well shutdown, the repair must be completed in accordance with the timeframe specified in paragraph (h)(3)(i) of this section.

(4) Each identified source of fugitive emissions must be resurveyed to complete repair according to the requirements of paragraphs (h)(4)(i) through (v) of this section, to ensure that there are no fugitive emissions.

(i) The operator may resurvey the fugitive emissions components to verify repair using either Method 21 of appendix A-7 to this part or OGI, except as specified in paragraph (h)(4)(v) of this section.

(ii) For each repair that cannot be made during the monitoring survey when the fugitive emissions are initially found, a digital photograph must be taken of that component, or the component must be tagged during the monitoring survey when the fugitive emissions were initially found for identification purposes and subsequent repair. The digital photograph must include the date that the photograph was taken and must clearly identify the component by location within the site (e.g., the latitude and longitude of the component or by other descriptive landmarks visible in the picture).

(iii) [NA – METHOD 21 NOT USED]

(iv) Operators that use OGI to resurvey the repaired fugitive emissions components are subject to the resurvey provisions specified in paragraphs (h)(4)(iv)(A) and (B) of this section.

(A) A fugitive emissions component is repaired when the OGI instrument shows no indication of visible emissions.

(B) Operators must use the OGI monitoring requirements specified in paragraph (c)(7) of this section.

(v) For fugitive emissions identified using AVO detection methods, the operator may resurvey using those same methods, Method 21 of appendix A-7 to this part, or OGI. For operators that use AVO detection methods, a fugitive emissions component is repaired when there are no indications of fugitive emissions using these methods.

(i) Initial compliance. You must demonstrate initial compliance with the standards that apply to fugitive emissions components affected facilities as required by § 60.5410b(k).

(j) Continuous compliance. You must demonstrate continuous compliance with the standards that apply to fugitive emissions components affected facilities as required by § 60.5415b(l).

(k) Reporting and recordkeeping. You must comply with the reporting requirements as specified in § 60.5420b(b)(1) and (9), and the recordkeeping requirements as specified in § 60.5420b(c)(14).

(l) [NA – NOT A WELL FACILITY]

[89 FR 17043, Mar. 8, 2024, as amended at 89 FR 62892, Aug. 1, 2024]

§ 60.5398b What alternative GHG and VOC standards apply to fugitive emissions components affected facilities and what inspection and monitoring requirements apply to covers and closed vent systems when using an alternative technology? [NA – NO ALTERNATIVE GHG OR VOC STANDARDS USED. NO COVERS OR CLOSED VENT SYSTEMS]

§ 60.5399b What are the alternative means of emission limitations for GHG and VOC emissions from well completions, liquids unloading operations, centrifugal compressors, reciprocating compressors, fugitive emissions components, and process unit equipment affected facilities; and what are the alternative fugitive emissions standards based on State, local, and Tribal programs? [NA – ALTERNATIVE EMISSION LIMITATIONS AND/OR STANDARDS NOT USED]

§ 60.5400b What GHG and VOC standards apply to process unit equipment affected facilities? [NA – NOT A NATURAL GAS PROCESSING PLANT]

§ 60.5401b What are the alternative GHG and VOC standards for process unit equipment affected facilities? [NA – NOT A NATURAL GAS PROCESSING PLANT]

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§ 60.5402b What are the exceptions to the GHG and VOC standards for process unit equipment affected facilities? [NA – NOT A NATURAL GAS PROCESSING PLANT]

§ 60.5403b What test methods and procedures must I use for my process unit equipment affected facilities? [NA – NOT A NATURAL GAS PROCESSING PLANT]

§ 60.5405b What standards apply to sweetening unit affected facilities? [NA – NOT A SWEETENING UNIT AFFECTED FACILITY]

§ 60.5406b What test methods and procedures must I use for my sweetening unit affected facilities? [NA – NOT A SWEETENING UNIT AFFECTED FACILITY]

§ 60.5407b What are the requirements for monitoring of emissions and operations from my sweetening unit affected facilities? [NA – NOT A SWEETENING UNIT AFFECTED FACILITY]

§ 60.5408b What is an optional procedure for measuring hydrogen sulfide in acid gas—Tutwiler Procedure? [NA – NOT A SWEETENING UNIT AFFECTED FACILITY]

§ 60.5410b How do I demonstrate initial compliance with the standards for each of my affected facilities?

You must determine initial compliance with the standards for each affected facility using the requirements of paragraphs (a) through (k) of this section. Except as otherwise provided in this section, the initial compliance period begins on the date specified in § 60.5370b and ends no later than 1 year after that date. The initial compliance period may be less than 1 full year.

(a)-(c) [NA – NOT A WELL AFFECTED FACILITY]

(d) Centrifugal compressor affected facility. To demonstrate initial compliance with the GHG and VOC alternative standards for your dry seal centrifugal compressor as required by § 60.5380b, you must comply with paragraphs (d)(6) through (8) of this section.

(1)-(5) [NA – NO WET SEAL CENTRIFUGAL COMPRESSORS]

(6) You must maintain the volumetric flow rates for your centrifugal compressors as specified in paragraphs (d)(6)(i) through (iii) of this section, as applicable.

(i) [NA – NO WET SEAL CENTRIFUGAL COMPRESSORS]

(ii) [NA – NOT IN THE REQUIRED GEOGRAPHIC AREA]

(iii) For your dry seal centrifugal compressor, you must maintain the volumetric flow rate at or below 10 scfm per seal. You must conduct your initial annual volumetric measurement as required by § 60.5380b(a)(6).

(7) You must submit the initial annual report for your centrifugal compressor affected facility as required in § 60.5420b(b)(1) and (5) and (b)(11) through (13), as applicable.

(8) You must maintain the records as specified in § 60.5420b(c)(4) and (c)(8) through (13), as applicable.

(e) [NA – NOT A RECIPROCATING COMPRESSOR AFFECTED FACILITY]

(f) [NA – NOT A PROCESS CONTROLLER AFFECTED FACILITY.]

(g) [NA – NOT A PUMP AFFECTED FACILITY]

(h) [NA – NOT A PROCESS UNIT EQUIPMENT AFFECTED FACILITY]

(i) [NA – NO SWEETENING UNITS LOCATED ONSITE]

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(j) [NA – NOT A STORAGE VESSEL AFFECTED FACILITY]

(k) Fugitive emission components affected facility. To achieve initial compliance with the GHG and VOC standards for fugitive emissions components affected facilities as required by § 60.5397b, you must comply with paragraphs (k)(1) through (5) of this section.

(1) You must develop a fugitive emissions monitoring plan as required in § 60.5397b(b), (c), and (d).

(2) You must conduct an initial monitoring survey as required in § 60.5397b(e) and (f).

(3) You must repair each identified source of fugitive emissions for each affected facility as required in § 60.5397b(h).

(4) You must submit the initial annual report for each fugitive emissions components affected facility as required in § 60.5420b(b)(1) and (9).

(5) You must maintain the records specified in § 60.5420b(c)(14).

[89 FR 17043, Mar. 8, 2024, as amended at 89 FR 62896, Aug. 1, 2024]

§ 60.5411b What additional requirements must I meet to determine initial compliance for my covers and closed vent systems? [NA – NO COVERS OR CLOSED VENT SYSTEMS]

§ 60.5412b What additional requirements must I meet for determining initial compliance of my control devices? [NA – NO CONTROL DEVICES USED FOR COMPLIANCE]

§ 60.5413b What are the performance testing procedures for control devices? [NA – NO CONTROL DEVICES USED FOR COMPLIANCE]

§ 60.5415b How do I demonstrate continuous compliance with the standards for each of my affected facilities?

(a)-(c) [NA – NOT A WELL AFFECTED FACILITY]

(d) Centrifugal compressor affected facility. For each dry seal centrifugal compressor complying with the requirements in § 60.5380b(a)(6), you must demonstrate continuous compliance according to paragraphs (d)(2) through (4) of this section. [NOTE: THE REST OF THIS PARAGRAPH DOES NOT APPLY AND HAS BEEN DELETED FOR BREVTY]

(1) [NA - NO WET SEAL CENTRIFUGAL COMPRESSORS]

(2) [NOTE: COMPRESSORS ARE EQUIPPED WITH DRY SEALS. THIS PARAGRAPH APPLIES AS FOLLOWS: You must maintain volumetric flow rate at or below the flow rates specified in § 60.5380b(a)(6) for your centrifugal compressor equipped with dry seals, as applicable. You must conduct the required volumetric flow rate measurement of your dry seal centrifugal compressor in accordance with § 60.5380b(a)(6), as applicable, on or before 8,760 hours of operation after your last volumetric flow rate measurement which demonstrates compliance with the volumetric flow rate specified and § 60.5380b(a)(6) for your centrifugal compressor equipped with dry seals, as applicable.]

(3) You must submit the annual reports as required in § 60.5420b(b)(1), (5), and (11)(i) through (iv), as applicable.

(4) You must maintain records as required in § 60.5420b(c)(4), (8) through (10), and (12), as applicable.

(e) [NA – NOT A PUMP AFFECTED FACILITY]

(f) [NA – CONTINUOUS MONITORING SYSTEMS NOT REQUIRED]

(g) [NA – NOT A RECIPROCATING COMPRESSOR AFFECTED FACILITY]

(h) [NA – NOT A PROCESS CONTROLLER AFFECTED FACILITY]

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(i) [NA – NOT A STORAGE VESSEL AFFECTED FACILITY]

(j) [NA – NOT A PROCESS EQUIPMENT AFFECTED FACILITY]

(k) [NA – NO SWEETENING UNITS LOCATED ONSITE]

(l) Continuous compliance. For each fugitive emissions components affected facility, you must demonstrate continuous compliance with the requirements of § 60.5397b(a) according to paragraphs (l)(1) through (4) of this section.

(1) Monitoring. You must conduct periodic monitoring surveys as required in § 60.5397b(e) and (g).

(2) Repairs. You must repair each identified source of fugitive emissions as required in § 60.5397b(h).

(3) Reports. You must submit annual reports for fugitive emissions components affected facilities as required in § 60.5420b(b)(1) and (9).

(4) Records. You must maintain records as specified in § 60.5420b(c)(14).

[89 FR 17043, Mar. 8, 2024, as amended at 89 FR 62898, Aug. 1, 2024]

§ 60.5416b What are the initial and continuous cover and closed vent system inspection and monitoring requirements? [NA – NO COVERS OR CLOSED VENT SYSTEMS]

§ 60.5417b What are the continuous monitoring requirements for my control devices? [NA – NO CONTROL DEVICES USED FOR COMPLIANCE]

002 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

[40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.5420b]

Subpart OOOOb - Standards of Performance for Crude Oil and Natural Gas Facilities for Which Construction, Modification or Reconstruction Commenced After December 6, 2022

§ 60.5420b What are my notification, reporting, and recordkeeping requirements?

(a) Notifications. You must submit notifications according to paragraphs (a)(1) and (2) of this section if you own or operate one or more of the affected facilities specified in § 60.5365b that was constructed, modified, or reconstructed during the reporting period. [NOTE: THE REST OF THIS PARAGRAPH DOES NOT APPLY AND HAS BEEN DELETED FOR BREVITY]

(1) [NOTE: AFFECTED FACILITIES INCLUDE CENTRIFUGAL COMPRESSOR AND FUGITIVE EMISSION COMPONENTS AT A COMPRESSOR STATION. THIS PARAGRAPH APPLIES AS FOLLOWS: If you own or operate a centrifugal compressor or collection of fugitive emissions components at a compressor station affected facility, you are not required to submit the notifications required in §§ 60.7(a)(1), (3), and (4) and 60.15(d).]

(2) [NA – NOT A WELL AFFECTED FACILITY]

(3) [NA – NO ALTERNATIVE FUGITIVE EMISSIONS STANDARD SELECTED]

(4) [NA – NOT A WELL AFFECTED FACILITY]

(b) Reporting requirements. You must submit annual reports containing the information specified in paragraphs (b)(1) through (14) of this section following the procedure specified in paragraph (b)(15) of this section. You must submit performance test reports as specified in paragraph (b)(12) or (13) of this section, if applicable. The initial annual report is due no later than 90 days after the end of the initial compliance period as determined according to § 60.5410b. Subsequent annual reports are due no later than the same date each year as the initial annual report. If you own or operate more than one affected facility, you may submit one report for multiple affected facilities provided the report contains all of the information required as specified in paragraphs (b)(1) through (14) of this section. Annual reports may coincide with title V

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reports as long as all the required elements of the annual report are included. You may arrange with the Administrator a common schedule on which reports required by this part may be submitted as long as the schedule does not extend the reporting period. You must submit the information in paragraph (b)(1)(v) of this section, as applicable, for your well affected facility which undergoes a change of ownership during the reporting period, regardless of whether reporting under paragraphs (b)(2) through (4) of this section is required for the well affected facility.

(1) The general information specified in paragraphs (b)(1)(i) through (v) of this section is required for all reports.

(i) The company name, facility site name associated with the affected facility, U.S. Well ID or U.S. Well ID associated with the affected facility, if applicable, and address of the affected facility. If an address is not available for the site, include a description of the site location and provide the latitude and longitude coordinates of the site in decimal degrees to an accuracy and precision of five (5) decimals of a degree using the North American Datum of 1983.

(ii) An identification of each affected facility being included in the annual report.

(iii) Beginning and ending dates of the reporting period.

(iv) A certification by a certifying official of truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. If your report is submitted via CEDRI, the certifier's electronic signature during the submission process replaces the requirement in this paragraph (b)(1)(iv).

(v) [NA – NOT A WELL AFFECTED FACILITY]

(2)-(4) [NA – NOT A WELL AFFECTED FACILITY]

(5) [NA – NOT A WET SEAL CENTRIFUGAL COMPRESSOR AFFECTED FACILITY]

(6) [NA – NOT A RECIPROCATING COMPRESSOR AFFECTED FACILITY]

(7) [NA – NOT A PROCESS CONTROLLER AFFECTED FACILITY]

(8) [NA – NOT A STORAGE VESSEL AFFECTED FACILITY]

(9) For the fugitive emissions components affected facility, report the information specified in paragraphs (b)(9)(i) through (v) of this section, as applicable.

(i)

(A) Designation of the type of site (i.e., well site, centralized production facility, or compressor station) at which the fugitive emissions components affected facility is located.

(B)-(F) [NA – NOT A WELL SITE]

(ii) For each fugitive emissions monitoring survey performed during the annual reporting period, the information specified in paragraphs (b)(9)(ii)(A) through (G) of this section.

(A) Date of the survey.

(B) Monitoring instrument or, if the survey was conducted by AVO methods, notation that AVO was used.

(C) Any deviations from the monitoring plan elements under § 60.5397b(c)(1), (2), and (7), (c)(8)(i), or (d) or a statement that there were no deviations from these elements of the monitoring plan.

(D) Number and type of components for which fugitive emissions were detected.

(E) Number and type of fugitive emissions components that were not repaired as required in § 60.5397b(h).

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(F) Number and type of fugitive emission components (including designation as difficult-to-monitor or unsafe-to-monitor, if applicable) on delay of repair and explanation for each delay of repair.

(G) Date of planned shutdown(s) that occurred during the reporting period if there are any components that have been placed on delay of repair.

(iii) [NA – NO ALTERNATIVE FUGITIVE EMISSIONS STANDARD SELECTED]

(iv) [NA – NOT A WELL AFFECTED FACILITY]

(v) [NA – NO ALTERNATIVE GHG OR VOC STANDARDS USED]

(10) [NA – NOT A PUMP AFFECTED FACILITY]

(11) [NA – NO COVERS OR CLOSED VENT SYSTEMS]

(12) [NA – PERFORMANCE TESTING NOT REQUIRED]

(13) [NA – NO CONTROL DEVICES USED FOR COMPLIANCE]

(14) If you had a super-emitter event during the reporting period, the start date of the super-emitter event, the duration of the super-emitter event in hours, and the affected facility associated with the super-emitter event, if applicable.

(15) You must submit your annual report using the appropriate electronic report template on the Compliance and Emissions Data Reporting Interface (CEDRI) website for this subpart and following the procedure specified in paragraph (d) of this section. If the reporting form specific to this subpart is not available on the CEDRI website at the time that the report is due, you must submit the report to the Administrator at the appropriate address listed in § 60.4. Once the form has been available on the CEDRI website for at least 90 calendar days, you must begin submitting all subsequent reports via CEDRI. The date reporting forms become available will be listed on the CEDRI website. Unless the Administrator or delegated state agency or other authority has approved a different schedule for submission of reports, the report must be submitted by the deadline specified in this subpart, regardless of the method in which the report is submitted.

(c) Recordkeeping requirements. You must maintain the records identified as specified in § 60.7(f) and in paragraphs (c)(1) through (15) of this section. All records required by this subpart must be maintained either onsite or at the nearest local field office for at least 5 years. 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.

(1)-(3) [NA – NOT A WELL AFFECTED FACILITY]

(4) For each centrifugal compressor affected facility, you must maintain the records specified in paragraphs (c)(4)(i) through (iii) of this section.

(i) For each centrifugal compressor affected facility, you must maintain records of deviations in cases where the centrifugal compressor was not operated in compliance with the requirements specified in § 60.5380b, including a description of each deviation, the date and time each deviation began and the duration of each deviation.

(ii) [NA – NO WET SEAL COMPRESSORS]

(iii) For each centrifugal compressor affected facility using a self-contained wet seal compressor, centrifugal compressor equipped with sour seal oil separator and capture system, or dry seal compressor complying with the standard in § 60.5380b(a)(4), (5) or (6), you must maintain the records specified in paragraphs (c)(4)(iii)(A) through (H) of this section.

(A) Records of the cumulative number of hours of operation since initial startup, since May 7, 2024, or since the previous volumetric flow rate measurement, as applicable.

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(B) A description of the method used and the results of the volumetric flow rate measurement or emissions screening, as applicable.

(C) Records for all flow meters, composition analyzers and pressure gauges used to measure volumetric flow rates as specified in paragraphs (c)(4)(iii)(C)(1) through (6).

(1) Description of standard method published by a consensus-based standards organization or industry standard practice.

(2) Records of volumetric flow rate emissions calculations conducted according to paragraphs § 60.5380b(a)(4) through (6), as applicable.

(3) Records of manufacturer's operating procedures and measurement methods.

(4) Records of manufacturer's recommended procedures or an appropriate industry consensus standard method for calibration and results of calibration, recalibration, and accuracy checks.

(5) Records which demonstrate that measurements at the remote location(s) can, when appropriate correction factors are applied, reliably and accurately represent the actual temperature or total pressure at the flow meter under all expected ambient conditions. You must include the date of the demonstration, the data from the demonstration, the mathematical correlation(s) between the remote readings and actual flow meter conditions derived from the data, and any supporting engineering calculations. If adjustments were made to the mathematical relationships, a record and description of such adjustments.

(6) Record of each initial calibration or a recalibration which failed to meet the required accuracy specification and the date of the successful recalibration.

(D) Date when performance-based volumetric flow rate is exceeded.

(E) The date of successful repair of the compressor seal, including follow-up performance-based volumetric flow rate measurement to confirm successful repair.

(F) Identification of each compressor seal placed on delay of repair and explanation for each delay of repair.

(G) For each compressor seal or part needed for repair placed on delay of repair because of replacement seal or part unavailability, the operator must document: the date the seal or part was added to the delay of repair list, the date the replacement seal or part was ordered, the anticipated seal or part delivery date (including any estimated shipment or delivery date provided by the vendor), and the actual arrival date of the seal or part.

(H) Date of planned shutdowns that occur while there are any seals or parts that have been placed on delay of repair.

(5) [NA – NOT A RECIPROCATING COMPRESSOR AFFECTED FACILITY]

(6) [NA – NOT A PROCESS CONTROLLER AFFECTED FACILITY]

(7) [NA – NOT A STORAGE VESSEL AFFECTED FACILITY]

(8)-(12) [NA – NO COVERS, CLOSED VENT SYSTEMS, BYPASSES OR CONTROL SYSTEMS]

(13) [NA – NO PERFORMANCE TESTS REQUIRED]

(14) For the fugitive emissions components affected facility, maintain the records identified in paragraphs (c)(14)(i) through (viii) of this section.

(i) The date of the startup of production or the date of the first day of production after modification for the fugitive emissions components affected facility at a well site and the date of startup or the date of modification for the fugitive emissions components affected facility at a compressor station.

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(ii)-(III) [NA – NOT A WELL SITE]

(iv) The fugitive emissions monitoring plan as required in § 60.5397b(b), (c), and (d).

(v) The records of each monitoring survey as specified in paragraphs (c)(14)(v)(A) through (I) of this section.

(A) Date of the survey.

(B) Beginning and end time of the survey.

(C) Name of operator(s), training, and experience of the operator(s) performing the survey.

(D) Monitoring instrument or method used.

(E) Fugitive emissions component identification when Method 21 of appendix A-7 to this part is used to perform the monitoring survey.

(F) Ambient temperature, sky conditions, and maximum wind speed at the time of the survey. For compressor stations, operating mode of each compressor (i.e., operating, standby pressurized, and not operating-depressurized modes) at the station at the time of the survey.

(G) Any deviations from the monitoring plan or a statement that there were no deviations from the monitoring plan.

(H) Records of calibrations for the instrument used during the monitoring survey.

(I) Documentation of each fugitive emission detected during the monitoring survey, including the information specified in paragraphs (c)(14)(v)(I)(1) through (9) of this section.

(1) Location of each fugitive emission identified.

(2) Type of fugitive emissions component, including designation as difficult-to-monitor or unsafe-to-monitor, if applicable.

(3) If Method 21 of appendix A-7 to this part is used for detection, record the component ID and instrument reading.

(4) For each repair that cannot be made during the monitoring survey when the fugitive emissions are initially found, a digital photograph or video must be taken of that component or the component must be tagged for identification purposes. The digital photograph must include the date that the photograph was taken and must clearly identify the component by location within the site (e.g., the latitude and longitude of the component or by other descriptive landmarks visible in the picture). The digital photograph or identification (e.g., tag) may be removed after the repair is completed, including verification of repair with the resurvey.

(5) The date of first attempt at repair of the fugitive emissions component(s).

(6) The date of successful repair of the fugitive emissions component, including the resurvey to verify repair and instrument used for the resurvey.

(7) Identification of each fugitive emission component placed on delay of repair and explanation for each delay of repair.

(8) For each fugitive emission component placed on delay of repair for reason of replacement component unavailability, the operator must document: the date the component was added to the delay of repair list, the date the replacement fugitive component or part thereof was ordered, the anticipated component delivery date (including any estimated shipment or delivery date provided by the vendor), and the actual arrival date of the component.

(9) Date of planned shutdowns that occur while there are any components that have been placed on delay of repair.

(vi) [NA – NO ALTERNATE MEANS OF EMISSIONS LIMITATION]

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(vii) [NA – NOT A WELL AFFECTED FACILITY]

(viii) [NA – NO ALTERNATIVE GHG OR VOC STANDARDS USED]

(15) [NA – NOT A PUMP AFFECTED FACILITY]

(d) Electronic reporting. If you are required to submit notifications or reports following the procedure specified in this paragraph (d), you must submit notifications or reports to the EPA via 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 (d)(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 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 (d).

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

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

(1) You may submit a claim if a force majeure event is about to occur, occurs, or has occurred or there are lingering effects

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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.

[89 FR 17043, Mar. 8, 2024, as amended at 89 FR 62902, Aug. 1, 2024]

§ 60.5425b What parts of the General Provisions apply to me? Table 5 to this subpart shows which parts of the General Provisions in §§ 60.1 through 60.19 apply to you.

Regulatory Changes

Individual sources within this source group that are subject to 40 CFR Part 60 Subpart OOOOb shall comply with all applicable requirements of the Subpart. 40 CFR 63.13(a) requires submission of copies of all requests, reports and other communications to both the Department and the EPA. The EPA copies shall be forwarded to:

Director
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

Unless otherwise approved by DEP, the DEP copies shall be reported through the Department's Greenport PUP system available through: <https://greenport.pa.gov/ePermitPublicAccess/PublicSubmission/Home>

In the event that the Federal Subpart that is the subject of this Source Group is revised, the permittee shall comply with the revised version of the subpart, and shall not be required to comply with any provisions in this permit designated as having the subpart as their authority, to the extent that such permit provisions would be inconsistent with the applicable provisions of the revised subpart.

**SECTION F. Alternative Operation Requirements.**

No Alternative Operations exist for this Plan Approval facility.

**SECTION G. Emission Restriction Summary.**

No emission restrictions listed in this section of the permit.

**SECTION H. Miscellaneous.**

#001. Insignificant source list:

(a) Fourteen (14) Catco catalytic space heaters, rated at 0.072 MMBtu/hr each, natural gas fueled, exempt per 25 Pa. Code. § 127.14(a)(5);

(b) Four storage tanks as follows:

- (i) Tank A-1, Lube Oil (2,000 gal)
- (ii) Tank E-1, Waste Oil/Used Oil (1,000 gal)
- (iii) Tank K-1, Waste Water (1,500 gal)
- (iv) Tank P-1, Pipeline Fluids (1,500 gal)



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