COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

PLAN APPROVAL

Issue Date: October 27, 2026 Effective Date: October 27, 2026

Expiration Date: April 26, 2028

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. 17-00079A

Federal Tax Id - Plant Code: 33-1425290-2

Owner Information

Name: IRON CITY WELLS LLC
Mailing Address: P.O. BOX 102
FRENCHVILLE, PA 16836

Plant Information

Plant: IRON CITY WELLS LLC/IRON CITY #2 POWER GEN AND COMP CTR
Location: 17 Clearfield County 17904 Beccaria Township
SIC Code: 4931 Trans. & Utilities - Electric And Other Services Combined

Responsible Official

Name: NEIL ROSEMAN
Title: MANAGER
Phone: (410) 652 - 3522 Email: neil@blockminvestments.com

Plan Approval Contact Person

Name: SCOTT WILHELM
Title: DIRECTOR OF OPERATIONS
Phone: (312) 282 - 5181 Email: scott.wilhelm@ironcitywells.com

[Signature] _____

MUHAMMAD Q. ZAMAN, ENVIRONMENTAL PROGRAM MANAGER, NORTHCENTRAL REGION

Plan Approval Description

This plan approval is for the authorization to construct and operate fifteen (15) identical Mesa Model GV22PU, 4-stroke, rich-burn (4SRB), natural gas fired engines, each with a power rating of 671 brake-horsepower (Sources P101 through P115) and equip each engine with two (2) 3-way non-selective catalytic reduction technology (Control Devices C101A&B through C115A&B) respectively, to control the nitrogen oxide (NOx, expressed as NO2), carbon monoxide (CO), volatile organic compounds (VOC) and formaldehyde emissions from the proposed engines.

SECTION A. Table of Contents

Section A. Facility/Source Identification

Table of Contents
Plan Approval Inventory List

Section B. General Plan Approval Requirements

#001 Definitions
#002 Future Adoption of Requirements
#003 Plan Approval Temporary Operation
#004 Content of Applications
#005 Public Records and Confidential Information
#006 Plan Approval Terms and Conditions
#007 Transfer of Plan Approvals
#008 Inspection and Entry
#009 Plan Approval Changes for Cause
#010 Circumvention
#011 Submissions
#012 Risk Management
#013 Prohibition of Air Pollution
#014 Compliance Requirement

Section C. Site Level Plan Approval Requirements

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

Section D. Source Level Plan Approval Requirements

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

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

Section E. Source Group Restrictions

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

Section F. Alternative Operating Scenario(s)

F-I: Restrictions
F-II: Testing Requirements

SECTION A. Table of Contents

F-III: Monitoring Requirements
F-IV: Recordkeeping Requirements
F-V: Reporting Requirements
F-VI: Work Practice Standards
F-VII: Additional Requirements

Section G. Emission Restriction Summary

Section H. Miscellaneous

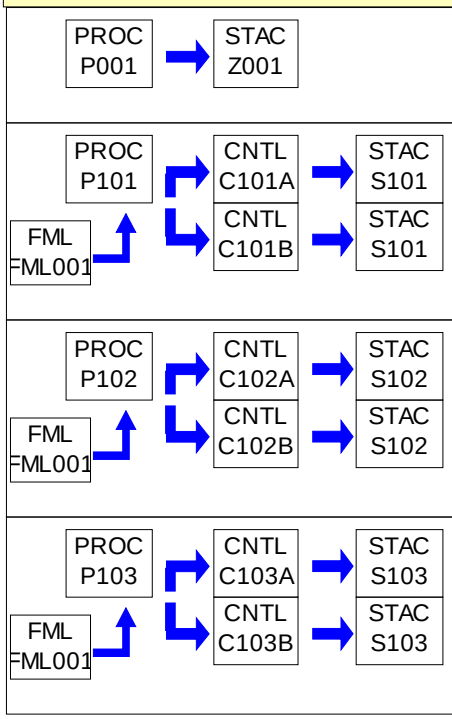
SECTION A. Plan Approval Inventory List

Source ID	Source Name	Capacity/Throughput	Fuel/Material
P001	FUGITIVE EMISSIONS		
P101	ENGINE 1		
P102	ENGINE 2		
P103	ENGINE 3		
P104	ENGINE 4		
P105	ENGINE 5		
P106	ENGINE 6		
P107	ENGINE 7		
P108	ENGINE 8		
P109	ENGINE 9		
P110	ENGINE 10		
P111	ENGINE 11		
P112	ENGINE 12		
P113	ENGINE 13		
P114	ENGINE 14		
P115	ENGINE 15		
C101A	NON-SELECTIVE CATALYTIC REDUCTION		
C101B	NON-SELECTIVE CATALYTIC REDUCTION		
C102A	NON-SELECTIVE CATALYTIC REDUCTION		
C102B	NON-SELECTIVE CATALYTIC REDUCTION		
C103A	NON-SELECTIVE CATALYTIC REDUCTION		
C103B	NON-SELECTIVE CATALYTIC REDUCTION		
C104A	NON-SELECTIVE CATALYTIC REDUCTION		
C104B	NON-SELECTIVE CATALYTIC REDUCTION		
C105A	NON-SELECTIVE CATALYTIC REDUCTION		
C105B	NON-SELECTIVE CATALYTIC REDUCTION		
C106A	NON-SELECTIVE CATALYTIC REDUCTION		
C106B	NON-SELECTIVE CATALYTIC REDUCTION		
C107A	NON-SELECTIVE CATALYTIC REDUCTION		
C107B	NON-SELECTIVE CATALYTIC REDUCTION		
C108A	NON-SELECTIVE CATALYTIC REDUCTION		
C108B	NON-SELECTIVE CATALYTIC REDUCTION		
C109A	NON-SELECTIVE CATALYTIC REDUCTION		
C109B	NON-SELECTIVE CATALYTIC REDUCTION		
C110A	NON-SELECTIVE CATALYTIC REDUCTION		
C110B	NON-SELECTIVE CATALYTIC REDUCTION		
C111A	NON-SELECTIVE CATALYTIC REDUCTION		
C111B	NON-SELECTIVE CATALYTIC REDUCTION		
C112A	NON-SELECTIVE CATALYTIC REDUCTION		
C112B	NON-SELECTIVE CATALYTIC REDUCTION		
C113A	NON-SELECTIVE CATALYTIC REDUCTION		
C113B	NON-SELECTIVE CATALYTIC REDUCTION		
C114A	NON-SELECTIVE CATALYTIC REDUCTION		
C114B	NON-SELECTIVE CATALYTIC REDUCTION		

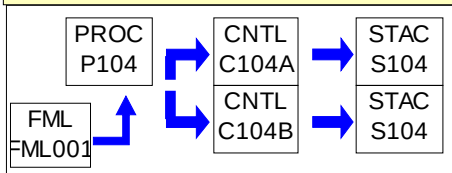
SECTION A. Plan Approval Inventory List

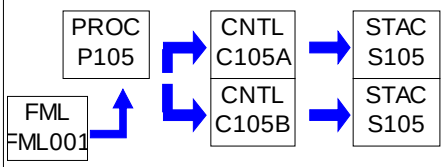
Source ID	Source Name	Capacity/Throughput	Fuel/Material
C115A	NON-SELECTIVE CATALYTIC REDUCTION		
C115B	NON-SELECTIVE CATALYTIC REDUCTION		
FML001	NATURAL GAS		
S101	STACK		
S102	STACK		
S103	STACK		
S104	STACK		
S105	STACK		
S106	STACK		
S107	STACK		
S108	STACK		
S109	STACK		
S110	STACK		
S111	STACK		
S112	STACK		
S113	STACK		
S114	STACK		
S115	STACK		
Z001	FUGITIVES		

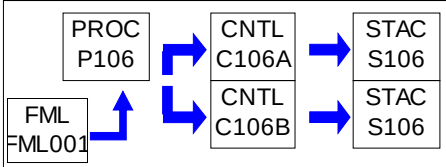
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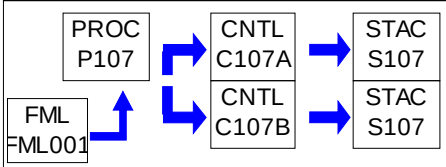


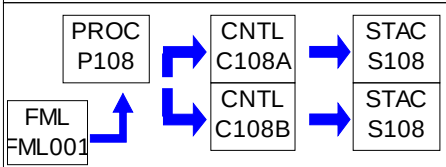
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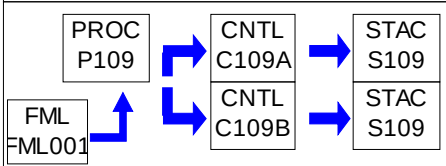

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CNTL C104B
STAC S104
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FML FML001

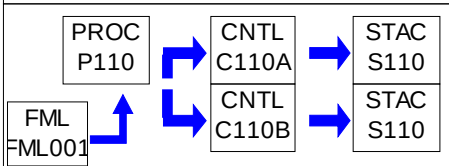

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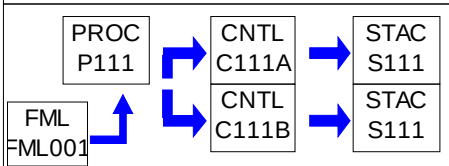

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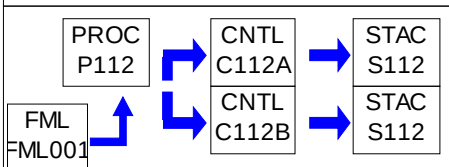

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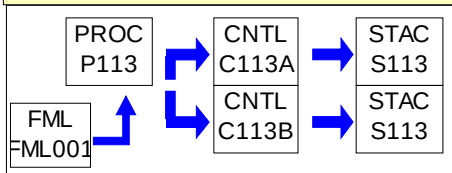

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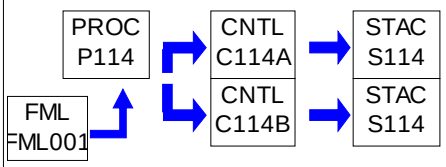

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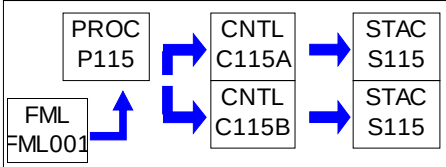

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CNTL C111B
STAC S111
STAC S111
FML FML001


PROC P112
CNTL C112A
CNTL C112B
STAC S112
STAC S112
FML FML001

PERMIT MAPS


PROC
P113
CNTL
C113A
STAC
S113
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C113B
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PROC
P114
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S114
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FML001


PROC
P115
CNTL
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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

Each source shall submit reports to the Department containing the information the Department may prescribe relative to the operation and maintenance of the source.

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:

SECTION B. General Plan Approval 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:

(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 § 121.7]

Prohibition of Air Pollution

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

#014 [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 §123.1]

Prohibition of certain fugitive emissions

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

(1) Construction or demolition of buildings or structures,

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

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

(4) Clearing of land,

(5) Stockpiling of materials,

(6) Open burning operations.

(7) Blasting in open pit mines. Emissions from drilling are not considered emission from blasting.

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

(a) The emissions are of minor significance with respect to causing air pollution,

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

 # 002 [25 Pa. Code §123.2]

Fugitive particulate matter

A person may not permit fugitive particulate matter to be emitted into the outdoor atmosphere from a source specified in Condition #001(1)-(8) above, if the emissions are visible at the point the emissions pass outside the person's property.

 # 003 [25 Pa. Code §123.41]

Limitations

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

(1) Equal to or greater than 20% for a period or periods aggregating more than three minutes in any 1 hour,

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

 # 004 [25 Pa. Code §123.42]

Exceptions

The emission limitations of 25 Pa. Code Section 123.41 shall not apply when:

(1) The presence of uncombined water is the only reason for failure of the emission to meet the limitations,

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

(3) The emission results from sources specified in 25 Pa. Code Section 123.1(a)(1)-(9).

SECTION C. Site Level Plan Approval Requirements

II. TESTING REQUIREMENTS.

 # 005 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) Pursuant to 25 Pa. Code § 139.3, at least 90 calendar days prior to commencing a EPA reference method testing program, a test protocol shall be submitted to the Department for review and approval. One electronic copy shall be sent to the Northcentral Regional Office Air Quality Program Manager (RA-EPNCstacktesting@pa.gov) and one electronic copy shall be sent to the PSIMS Administrator in Central Office (RA-EPstacktesting@pa.gov). The test protocol shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual.

(b) Pursuant to 25 Pa. Code § 139.3, at least 15 calendar days prior to commencing an emission testing program, notification as to the date and time of testing shall be given to the Northcentral Regional Office. Notification shall also be sent to the Division of Source Testing and Monitoring. Notification shall not be made without prior receipt of a protocol acceptance letter from the Department.

(c) Within sixty (60) days of the completion of the stack tests required by this permit, an electronically submitted copy of the report in .pdf format shall be submitted to the Department. This report shall contain the results of the tests, a description of the testing and analytical procedures actually used in performance of the tests, all process and operating data collected during the tests, a copy of all raw data, and a copy of all calculations generated during data analysis.

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

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

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

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

(g) Pursuant to 25 Pa. Code § § 139.53(a)(1) and 139.53(a)(3), one electronic copy of all submittals, besides notifications, shall be sent to the Northcentral Regional Office Air Quality Program Manager (RA-EPNCstacktesting@pa.gov) and one electronic copy shall be sent to the PSIMS Administrator in Central Office (RA-EPstacktesting@pa.gov) when the file is 35 MB or less, or a flash drive when the file is over 35 MB.

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

 # 006 [25 Pa. Code §139.1]

Sampling facilities.

Upon the request of the Department, the permittee shall provide adequate sampling ports, safe sampling platforms and adequate utilities for the performance by the Department of tests on a source. The Department will set forth, in the request, the time period in which the facilities shall be provided as well as the specifications for such facilities.

 # 007 [25 Pa. Code §139.11]

General requirements.

(a) As specified in 25 Pa. Code Section 139.11(1), performance tests shall be conducted while the source is operating at maximum routine operating conditions or under such other conditions, within the capacity of the equipment, as may be requested by the Department.

SECTION C. Site Level Plan Approval Requirements

(b) As specified in 25 Pa. Code Section 139.11(2), the Department will consider test results for approval where sufficient information is provided to verify the source conditions existing at the time of the test and where adequate data is available to show the manner in which the test was conducted. Information submitted to the Department shall include, as a minimum, all of the following:

(1) A thorough source description, including a description of any air cleaning devices and the flue,

(2) Process conditions, for example, the charging rate of raw material or rate of production of final product, boiler pressure, oven temperature, and other conditions, which may affect emissions from the process,

(3) The location of sampling ports,

(4) Effluent characteristics, including velocity, temperature, moisture content, gas density (percentage of CO, CO2, O2 and N2), static and barometric pressures,

(5) Sample collection techniques employed, including procedures used, equipment descriptions and data to verify that isokinetic sampling for particulate matter collection occurred and that acceptable test conditions were met,

(6) Laboratory procedures and results,

(7) Calculated results.

III. MONITORING REQUIREMENTS.

 # 008 [25 Pa. Code §123.43]

Measuring techniques

Visible emissions may be measured using either of the following:

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

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

 # 009 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12,

(a) The permittee shall conduct a daily inspection of the facility during daylight hours while the facility is operating to detect the presence of visible air contaminant emissions, visible fugitive air contaminant emissions and malodorous air contaminant emissions in excess of applicable emission limits.

(b) All visible air contaminant emissions, visible fugitive air contaminant emissions and malodorous air contaminant emissions observed to be in excess of an emission limit shall be reported to the manager of the facility at once.

IV. RECORDKEEPING REQUIREMENTS.

 # 010 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) The permittee shall keep records of the daily inspections. The records shall include the name of the company representative performing each inspection, the date and time of each inspection, a description of any visible air contaminant emission, fugitive air contaminant emission or malodorous air contamination observed to be in excess of an emission limit, the name of the facility manager to whom notice of any observed excessive emission was given, a description of any corrective action taken to eliminate/reduce any observed excessive emission and the date and time any such corrective action taken.

(b) All records generated pursuant to this permit condition shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

SECTION C. Site Level Plan Approval Requirements

 # 011 [25 Pa. Code §135.5]

Recordkeeping

(a) The permittee shall maintain such records, including computerized records, as may be necessary to comply with 25 Pa. Code Section 135.3. These may include records of production, fuel usage, equipment maintenance or other information determined by the Department to be necessary for the identification and quantification of air contaminant emissions.

(b) All records generated pursuant to this permit condition shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

V. REPORTING REQUIREMENTS.

 # 012 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The permittee shall submit all requested reports in accordance with the Department's suggested format.

 # 013 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) The permittee shall report malfunctions, emergencies or incidents of excess emissions to the Department. A malfunction is any sudden, infrequent, and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner. An emergency is any situation arising from sudden and reasonably unforeseeable events beyond the control of the owner or operator of a facility which requires immediate corrective action to restore normal operation and which causes the emission source to exceed emissions, due to unavoidable increases in emissions attributable to the situation. An emergency shall not include situations caused by improperly designed equipment, lack of preventive maintenance, careless or improper operation, or operator error.

(b) When the malfunction, emergency or incident of excess emissions poses an imminent danger to the public health, safety, welfare, or environment, it shall be reported to the Department and the County Emergency Management Agency by telephone within one (1) hour after the discovery of the malfunction, emergency or incident of excess emissions. The owner or operator shall submit a written or emailed report of instances of such malfunctions, emergencies or incidents of excess emissions to the Department within three (3) business days of the telephone report.

(c) The report shall describe the following:

1. name, permit or authorization number, and location of the facility,
2. nature and cause of the malfunction, emergency or incident,
3. date and time when the malfunction, emergency or incident was first observed,
4. expected duration of excess emissions,
5. estimated rate of emissions,
6. corrective actions or preventative measures taken.

(d) Any malfunction, emergency or incident of excess emissions that is not subject to the notice requirements of paragraph (b) of this condition shall be reported to the Department by telephone within 24 hours (or by 4:00 PM of the next business day, whichever is later) of discovery and in writing or by e-mail within five (5) business days of discovery. The report shall contain the same information required by paragraph (c), and any permit specific malfunction reporting requirements.

(e) During an emergency an owner or operator may continue to operate the source at their discretion provided they submit justification for continued operation of a source during the emergency and follow all the notification and reporting requirements in accordance with paragraphs (b)-(d), as applicable, including any permit specific malfunction reporting requirements.

(f) Reports regarding malfunctions, emergencies or incidents of excess emissions shall be submitted to the appropriate DEP Regional Office Air Program Manager.

(g) Any emissions resulted from malfunction or emergency are to be reported in the annual emissions inventory report, if the annual emissions inventory report is required by permit or authorization.

SECTION C. Site Level Plan Approval Requirements

 # 014 [25 Pa. Code §135.3]

Reporting

(a) A person who owns or operates a source to which 25 Pa. Code Chapter 135 applies, and who has previously been advised by the Department to submit an annual Air Information Management Systems (AIMS) report, shall submit by March 1 of each year an AIMS report for the preceding calendar year. The report shall include information for all previously reported sources, new sources which were first operated during the proceeding calendar year and sources modified during the same period which were not previously reported.

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

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

 # 015 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4]

Subpart A - General Provisions

Address.

In accordance with 40 CFR §§ 60.4 and 63.10, copies of all requests, reports, applications, submittals, and other communications shall also be submitted to the EPA via the Compliance and Emissions Data Reporting Interface (CEDRI) accessible at https://cdx.epa.gov unless electronic reporting is not available, in which case a copy shall be sent to the following address:

R3_Air_Apps_and_Notices@epa.gov

And

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

And

The Pennsylvania Department of Environmental Protection
Air Quality Program Manager
208 W. Third Street, Suite 101
Williamsport, PA 17701-6448

VI. WORK PRACTICE REQUIREMENTS.

 # 016 [25 Pa. Code §123.1]

Prohibition of certain fugitive emissions

The permittee shall take all reasonable actions to prevent particulate matter from becoming airborne as specified in 25 Pa. Code Section 123.1 subsection(s) (a)(1)-(7) or (a)(9). These actions shall include, but not be limited to, the following:

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

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

(3) Paving and maintenance of roadways,

SECTION C. Site Level Plan Approval Requirements

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

 # 017 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12,

The permittee shall construct, operate, install, and maintain all air contaminant sources and air cleaning devices (including the air to fuel ratio controllers) in accordance with the manufacturer's specifications and recommended maintenance schedules. Records of such maintenance shall be kept at the facility.

VII. ADDITIONAL REQUIREMENTS.

 # 018 [25 Pa. Code §121.7]

Prohibition of air pollution.

The permittee shall not permit air pollution as that term is defined in the Pennsylvania Air Pollution Control Act (35 P.S. Sections 4001-4015).

 # 019 [25 Pa. Code §123.31]

Limitations

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

 # 020 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Pennsylvania DEP is now accepting permit and authorization applications, as well as other documents and correspondence, electronically through DEP's Public Submission Page in Greenport. Access the web page below to submit documents:

https://greenport.pa.gov/ePermitPublicAccess/PublicSubmission/Home.

Documents currently submitted through other electronic means such as stack test reports, emission inventory, continuous emission monitoring reports, and asbestos notifications should continue to be submitted using the previously established systems.

 # 021 [25 Pa. Code §129.14]

Open burning operations

The permittee shall not permit the open burning of material at the facility unless in accordance with 25 Pa. Code Section 129.14.

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).

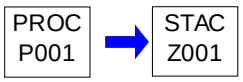
IX. COMPLIANCE SCHEDULE.

No compliance milestones exist.

SECTION D. Source Level Plan Approval Requirements

Source ID: P001 Source Name: FUGITIVE 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.

 # 001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, no later than 30 days after an emission source commences operation, and at least monthly thereafter, the permittee shall conduct an Audio, Visual and Olfactory (AVO) inspection of the facility.

(b) Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, no later than 60 days after the initial startup of a source, and quarterly thereafter, the permittee shall conduct a Leak Detection and Repair (LDAR) inspection using either an OGI camera, a gas leak detector that meets the requirements of 40 CFR Part 60, Appendix A-7, Method 21, or other leak detection methods approved by the Division of Source Testing and Monitoring.

IV. RECORDKEEPING REQUIREMENTS.

 # 002 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) The permittee shall keep a logbook, or uneditable electronic record, of the following:

(1) The amount of fugitive volatile organic compounds and the amount of fugitive hazardous air pollutants emitted from the facility during each 12 consecutive month period.

(2) The AVO and LDAR inspections:

(i) the date of each inspection,

(ii) initials or name(s) of the person(s) conducting each inspection,

(iii) the date each leak is detected,

(iv) the specific location of the leak,

(v) the repair performed to eliminate the leak,

(vi) the date the leak is repaired,

(vii) the action/inspection taken to determine that the leak is repaired, and

(viii) the initials or name(s) of the person(s) repairing the leak.

SECTION D. Source Level Plan Approval Requirements

(b) All records generated pursuant to this condition shall be kept for a minimum of five (5) years and made available to the Department upon request.

 # 003 [25 Pa. Code §129.127]

Fugitive emissions components

[Additional authority for this condition is derived from 25 Pa. Code Section 129.127(b)]

(b) Average production calculation procedure for a well site. Beginning on or before January 9, 2023:

(1) The owner or operator of a well site subject to subsection (a)(1) shall calculate the average production in barrels of oil equivalent per day of the well site using the previous 12 calendar months of operation as reported to the Department and thereafter as specified in subsection (c)(4) for the previous calendar year. The owner or operator shall do the following:

(i) For each well at the well site with production reported to the Department:

(A) Record the barrels of oil produced for each active well.

(B) Convert the natural gas production for each active well to equivalent barrels of oil by dividing the standard cubic feet of natural gas produced by 6,000 standard cubic feet per barrel of oil equivalent.

(C) Convert the condensate production for each active well to equivalent barrels of oil by multiplying the barrels of condensate by 0.9 barrels of oil equivalent per barrel of condensate.

(ii) Calculate the total production for each active well, in barrels of oil equivalent, by adding the results of subparagraph (i)(A)—(C) for each active well.

(iii) Sum the results of subparagraph (ii) for all active wells at the well site and divide by 365 or 366 days for the previous 12 calendar months or the previous calendar year, as applicable.

(2) If the owner or operator does not know the production of an individual well at the well site, the owner or operator shall comply with subsection (c)(2).

 # 004 [25 Pa. Code §129.127]

Fugitive emissions components

[Additional authority for this condition is derived from 25 Pa. Code Section 129.127(g)]

(g) Fugitive emissions monitoring plan. The owner or operator shall develop, in writing, an emissions monitoring plan that covers the collection of fugitive emissions components at the subject facility within each company-defined area. The written plan must include the following elements:

(1) The technique used for determining fugitive emissions.

(2) A list of fugitive emissions detection equipment, including the manufacturer and model number, that may be used at the facility.

(3) A list of personnel that may conduct the monitoring surveys at the facility, including their training and experience.

(4) The procedure and timeframe for identifying and fixing a fugitive emissions component from which fugitive emissions are detected, including for a component that is unsafe-to-repair.

(5) The procedure and timeframe for verifying fugitive emissions component repairs.

(6) The procedure and schedule for verifying the fugitive emissions detection equipment is operating properly.

SECTION D. Source Level Plan Approval Requirements

(i) For OGI equipment, the verification must be completed as specified in subsection (h).

(ii) For gas leak detection equipment using EPA Method 21, the verification must be completed as specified in subsection (i).

(iii) For a Department-approved method, a copy of the request for approval that shows the method's equivalence to subsection (h) or subsection (i).

(7) A sitemap.

(8) If using OGI, a defined observation path that meets the following:

(i) Ensures that all fugitive emissions components are within sight of the path.

(ii) Accounts for interferences.

(9) If using EPA Method 21, a list of the fugitive emissions components to be monitored and an identification method to locate them in the field.

(10) A written plan for each fugitive emissions component designated as difficult-to-monitor or unsafe-to-monitor which includes the following:

(i) A method to identify a difficult-to-monitor or unsafe-to-monitor component in the field.

(ii) The reason each component was identified as difficult-to-monitor or unsafe-to-monitor.

(iii) The monitoring schedule for each component identified as difficult-to-monitor or unsafe-to-monitor. The monitoring schedule for difficult-to-monitor components must include at least one survey per year no more than 13 months apart.

 # 005 [25 Pa. Code §129.127]

Fugitive emissions components

[Additional authority for this condition is derived from 25 Pa. Code Section 129.127(m)]

(m) Recordkeeping and reporting requirements. The owner or operator of a fugitive emissions component subject to this section shall maintain the records under § 129.130(g) and submit the reports under § 129.130(k)(3)(vi).

 # 006 [25 Pa. Code §129.130]

Recordkeeping and reporting

[Additional authority for this condition is derived from 25 Pa. Code Section 129.130(a)]

(a) Recordkeeping. The owner or operator of a source subject to § § 129.121—129.129 shall maintain the applicable records onsite or at the nearest local field office for 5 years. The records shall be made available to the Department upon request.

 # 007 [25 Pa. Code §129.130]

Recordkeeping and reporting

[Additional authority for this condition is derived from 25 Pa. Code Section 129.130(g)]

(g) Fugitive emissions components. The records for each fugitive emissions component must include the following, as applicable:

(1) For an oil well site subject to § 129.127(c)(1)(ii) (relating to fugitive emissions components):

SECTION D. Source Level Plan Approval Requirements

(i) The location of each well and its United States Well ID Number.

(ii) The analysis documenting a GOR of less than 300 standard cubic feet of gas per barrel of oil produced, conducted using generally accepted methods. The analysis must be signed by and include a certification by the responsible official stating that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate and complete.

(2) For each well site, the average production calculations required under § 129.127(b)(1) and § 129.127(c)(4).

(3) For a well site subject to § 129.127(c)(2) or (c)(3), a natural gas gathering and boosting station or a natural gas processing plant:

(i) The fugitive emissions monitoring plan under § 129.127(g).

(ii) The records of each monitoring survey conducted under § 129.127(c)(2)(ii), (c)(3)(ii) or (e)(2). The monitoring survey must include the following information:

(A) The facility name and location.

(B) The date, start time and end time of the survey.

(C) The name of the equipment operator performing the survey.

(D) The monitoring instrument used.

(E) The ambient temperature, sky conditions and maximum wind speed at the time of the survey.

(F) Each deviation from the monitoring plan or a statement that there were none.

(G) Documentation of each fugitive emission including:

(I) The identification of each component from which fugitive emissions were detected.

(II) The instrument reading of each fugitive emissions component that meets the definition of a leak under § 129.122(a) (relating to definitions, acronyms and EPA methods).

(III) The repair methods applied in each attempt to repair the component.

(IV) The tagging or digital photographing of each component not repaired during the monitoring survey in which the fugitive emissions were discovered.

(V) The reason a component was placed on delay of repair.

(VI) The date of successful repair of the component.

(VII) If repair of the component was not completed during the monitoring survey in which the fugitive emissions were discovered, the information on the instrumentation or the method used to resurvey the component after repair.

V. REPORTING REQUIREMENTS.

 # 008 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) The following records shall be submitted to the Department by March 1 of the following calendar year:

(1) The amount of fugitive volatile organic compounds and the amount of fugitive hazardous air pollutants emitted from the

SECTION D. Source Level Plan Approval Requirements

facility during each 12 consecutive month period.

(2) The AVO and LDAR inspections:

(i) the date of each inspection,

(ii) initials or name(s) of the person(s) conducting each inspection,

(iii) the date each leak is detected,

(iv) the specific location of the leak,

(v) the repair performed to eliminate the leak,

(vi) the date the leak is repaired,

(vii) the action/inspection taken to determine that the leak is repaired, and

(viii) the initials or name(s) of the person(s) repairing the leak

 # 009 [25 Pa. Code §129.130]

Recordkeeping and reporting

[Additional authority for this condition is derived from 25 Pa. Code Section 129.130(k)]

(k) Reporting. The owner or operator of a source subject to § 129.121(a) (relating to general provisions and applicability) shall do the following:

(1) Submit an initial annual report to the Air Program Manager of the Department Northcentral Regional Office annually on or before June 1.

(i) The responsible official must sign, date and certify compliance and include the certification in the initial report and each subsequent annual report.

(ii) The due date of the initial report may be extended with the written approval of the Air Program Manager of the Department Northcentral Regional Office.

(2) Submit the reports under paragraph (3) in a manner prescribed by the Department.

(3) Submit the information specified in subparagraphs (i)—(ix) for each report as applicable:

(vi) Fugitive emissions components. The report for each fugitive emissions component must include the records of each monitoring survey conducted during the reporting period as specified in subsection (g)(3)(ii).

VI. WORK PRACTICE REQUIREMENTS.

 # 010 [25 Pa. Code §129.127]

Fugitive emissions components

[Additional authority for this condition is derived from 25 Pa. Code Section 129.127(c)]

(c) Requirements for an unconventional well site.

(2) For a well site producing, on average, equal to or greater than 15 barrels of oil equivalent per day, with at least one well producing, on average, equal to or greater than 15 barrels of oil equivalent per day, the owner or operator shall:

SECTION D. Source Level Plan Approval Requirements

(i) Conduct a monthly AVO inspection separated by at least 15 calendar days but not more than 45 calendar days.

(ii) Conduct a quarterly LDAR inspection program separated by at least 60 calendar days but not more than 120 calendar days using one or more of the following:

(A) OGI equipment.

(B) A gas leak detector that meets the requirements of EPA Method 21.

(C) Another leak detection method approved by the Department.

(3) For a well site producing, on average, equal to or greater than 15 barrels of oil equivalent per day, and at least one well producing, on average, equal to or greater than 5 barrels of oil equivalent per day but less than 15 barrels of oil equivalent per day, the owner or operator shall:

(i) Conduct a monthly AVO inspection separated by at least 15 calendar days but not more than 45 calendar days.

(ii) Conduct an annual LDAR inspection program separated by at least 335 calendar days but not more than 395 calendar days using one or more of the following:

(A) OGI equipment.

(B) A gas leak detector that meets the requirements of EPA Method 21.

(C) Another leak detection method approved by the Department.

(4) The owner or operator of a producing well site shall calculate the average production of the well site under subsection (b) for the previous calendar year not later than February 15 and may adjust the frequency of the required LDAR inspection as follows:

(i) If two consecutive calculations show reduced production, the owner or operator may adopt the requirements applicable to the reduced production level.

(ii) If a calculation shows higher production, the owner or operator shall adopt the requirements applicable to the higher production level immediately.

(5) The owner or operator of a well site subject to paragraph (3) may submit to the Department Northcentral Regional Office a request, in writing, for an exemption from the requirements of paragraph (3)(ii).

(i) The written request must include the following:

(A) Name and location of the well site.

(B) A demonstration that the requirements of paragraph (3)(ii) are not technically or economically feasible for the well site.

(C) Sufficient methods for demonstrating compliance with all applicable standards or regulations promulgated under the Clean Air Act or the Act.

(D) Sufficient methods for demonstrating compliance with this section, § § 129.121—129.126 and 129.128—129.130.

(ii) The Department will review the complete written request submitted in accordance with subparagraph (i) and approve or deny the request in writing.

(iii) The Department will submit each exemption determination approved under subparagraph (ii) to the Administrator of the EPA for approval as a revision to the SIP. The owner or operator shall bear the costs of public hearings and notifications,

SECTION D. Source Level Plan Approval Requirements

including newspaper notices, required for the SIP submittal.

(iv) The owner or operator of the well site identified in subparagraph (i)(A) shall remain subject to the requirements of paragraphs (1), (3)(i) and (4).

 # 011 [25 Pa. Code §129.127]

Fugitive emissions components

[Additional authority for this condition is derived from 25 Pa. Code Section 129.127(h)]

(h) Verification procedures for OGI equipment. An owner or operator that identifies OGI equipment in the fugitive emissions monitoring plan in subsection (g)(6)(i) shall complete the verification by doing the following:

(1) Demonstrating that the OGI equipment is capable of imaging a gas:

(i) In the spectral range for the compound of highest concentration in the potential fugitive emissions.

(ii) That is half methane, half propane at a concentration of 10,000 ppm at a flow rate of less than or equal to 60 grams per hour (2.115 ounces per hour) from a 1/4-inch diameter orifice.

(2) Performing a verification check each day prior to use.

(3) Determining the equipment operator's maximum viewing distance from the fugitive emissions component and how the equipment operator will ensure that this distance is maintained.

(4) Determining the maximum wind speed during which monitoring can be performed and how the equipment operator will ensure monitoring occurs only at wind speeds below this threshold.

(5) Conducting the survey by using the following procedures:

(i) Ensuring an adequate thermal background is present to view potential fugitive emissions.

(ii) Dealing with adverse monitoring conditions, such as wind.

(iii) Dealing with interferences, such as steam.

(6) Following the manufacturer's recommended calibration and maintenance procedures.

 # 012 [25 Pa. Code §129.127]

Fugitive emissions components

[Additional authority for this condition is derived from 25 Pa. Code Section 129.127(i)]

(i) Verification procedures for gas leak detection equipment using EPA Method 21. An owner or operator that identifies gas leak detection equipment using EPA Method 21 in the fugitive emissions monitoring plan in subsection (g)(6)(ii) shall complete the verification by doing the following:

(1) Verifying that the gas leak detection equipment meets:

(i) The requirements of Section 6.0 of EPA Method 21 with a fugitive emissions definition of 500 ppm or greater calibrated as methane using an FID-based instrument.

(ii) A site-specific fugitive emission definition that would be equivalent to subparagraph (i) for other equipment approved for use in EPA Method 21 by the Department.

SECTION D. Source Level Plan Approval Requirements

(2) Using the average composition of the fluid, not the individual organic compounds in the stream, when performing the instrument response factor of Section 8.1.1 of EPA Method 21.

(3) Calculating the average stream response factor on an inert-free basis for process streams that contain nitrogen, air or other inert gases that are not organic hazardous air pollutants or VOCs.

(4) Calibrating the gas leak detection instrument in accordance with Section 10.1 of EPA Method 21 on each day of its use using zero air, defined as a calibration gas with less than 10 ppm by volume of hydrocarbon in air, and a mixture of methane in air at a concentration less than 10,000 ppm by volume as the calibration gases.

(5) Conducting the surveys which, at a minimum, must comply with the relevant sections of EPA Method 21, including Section 8.3.1.

 # 013 [25 Pa. Code §129.127]

Fugitive emissions components

[Additional authority for this condition is derived from 25 Pa. Code Section 129.127(l)]

(l) Repair and resurvey provisions. The owner or operator shall repair a leak detected from a fugitive emissions component as follows:

(1) A first attempt at repair must be made within 5 calendar days of detection, and repair must be completed no later than 15 calendar days after the leak is detected unless:

(i) The purchase of a part is required. The repair must be completed no later than 10 calendar days after the receipt of the purchased part.

(ii) The repair is technically infeasible because of one of the following reasons:

(A) It requires vent blowdown.

(B) It requires facility shutdown.

(C) It requires a well shut-in.

(D) It is unsafe to repair during operation of the unit.

(iii) A repair that is technically infeasible under subparagraph (ii) must be completed at the earliest of the following:

(A) After a planned vent blowdown.

(B) The next facility shutdown.

(C) Within 2 years.

(2) The owner or operator shall resurvey the fugitive emissions component no later than 30 calendar days after the leak is repaired.

(3) For a repair that cannot be made during the monitoring survey when the leak is initially found, the owner or operator shall do one of the following:

(i) Take a digital photograph of the fugitive emissions component which includes:

(A) The date the photo was taken.

(B) Clear identification of the component by location, such as by latitude and longitude or other descriptive landmarks

SECTION D. Source Level Plan Approval Requirements

visible in the picture.

(ii) Tag the component for identification purposes.

(4) A gas leak is considered repaired if:

(i) There is no visible leak image when using OGI equipment calibrated according to subsection (h).

(ii) A leak concentration of less than 500 ppm as methane is detected when the gas leak detector probe inlet is placed at the surface of the fugitive emissions component for a gas leak detector calibrated according to subsection (i).

(iii) There are no detectable emissions consistent with Section 8.3.2 of EPA Method 21.

(iv) There is no bubbling at the leak interface using the soap solution bubble test specified in Section 8.3.3 of EPA Method 21.

 # 014 [25 Pa. Code §129.127]

Fugitive emissions components

[Additional authority for this condition is derived from 25 Pa. Code Section 129.127(j)]

(j) Fugitive emissions detection devices. Fugitive emissions detection devices must be operated and maintained in accordance with manufacturer-recommended procedures and as required by the test method or a Department-approved method.

 # 015 [25 Pa. Code §129.127]

Fugitive emissions components

[Additional authority for this condition is derived from 25 Pa. Code Section 129.127(k)]

(k) Background adjustment. For LDAR inspections using a gas leak detector in accordance with EPA Method 21, the owner or operator may choose to adjust the gas leak detection instrument readings to account for the background organic concentration level as determined by the procedures of Section 8.3.2 of EPA Method 21.

VII. ADDITIONAL REQUIREMENTS.

 # 016 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Source P001 consists of fugitive volatile organic compound and volatile hazardous air pollutant emissions from various components (connections, valves, seals, etc.) located throughout the facility.

 # 017 [25 Pa. Code §129.127]

Fugitive emissions components

[Additional authority for this condition is derived from 25 Pa. Code Section 129.127(a)]

(a)(1) 25 Pa. Code Section 129.127 applies to the owner or operator of a fugitive emissions component subject to § 129.121(a)(5) (relating to general provisions and applicability), located at an unconventional well site.

 # 018 [25 Pa. Code §129.127]

Fugitive emissions components

[Additional authority for this condition is derived from 25 Pa. Code Section 129.127(f)]

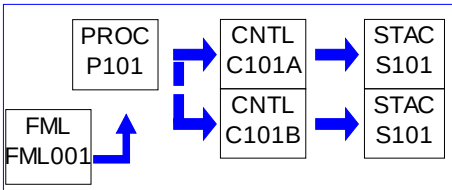
(f) Requirements for extension of the LDAR inspection interval. The owner or operator of an affected facility may request, in writing, an extension of the LDAR inspection interval from the Air Program Manager of the Department Northcentral Regional Office.

SECTION D. Source Level Plan Approval Requirements

Source ID: P101 Source Name: ENGINE 1

Source Capacity/Throughput:

Conditions for this source occur in the following groups: ENGINES



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.

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.

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).

VII. ADDITIONAL REQUIREMENTS.

 # 001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12,

(a) Source P101 is a Mesa Model GV22PU, 4-stroke, rich-burn (4SRB), natural gas fired engine with a power rating of 671 brake-horsepower equipped with an air-to-fuel ratio controller.

(b) Control Device C101A is a MESA TWC 3-way non-selective catalytic reduction technology.

(c) Control Device C101B is a MESA TWC 3-way non-selective catalytic reduction technology.

SECTION D. Source Level Plan Approval Requirements

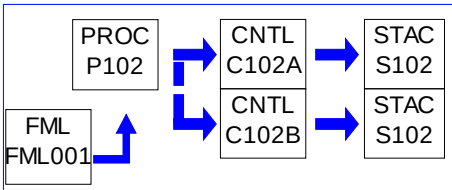
(d) Control Devices C101A and C101B shall operate in parallel to control the nitrogen oxide (NOx, expressed as NO2), carbon monoxide (CO), volatile organic compounds (VOC) and formaldehyde emissions from Source P101. The permittee shall not operate Source P101 without the simultaneous operation of Control Devices C101A and C101B at any time.

SECTION D. Source Level Plan Approval Requirements

Source ID: P102 Source Name: ENGINE 2

Source Capacity/Throughput:

Conditions for this source occur in the following groups: ENGINES



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.

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.

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).

VII. ADDITIONAL REQUIREMENTS.

 # 001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12,

(a) Source P102 is a Mesa Model GV22PU, 4-stroke, rich-burn (4SRB), natural gas fired engine with a power rating of 671 brake-horsepower equipped with an air-to-fuel ratio controller.

(b) Control Device C102A is a MESA TWC 3-way non-selective catalytic reduction technology.

(c) Control Device C102B is a MESA TWC 3-way non-selective catalytic reduction technology.

SECTION D. Source Level Plan Approval Requirements

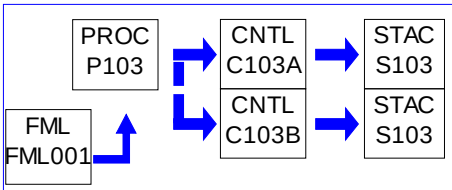
(d) Control Devices C102A and C102B shall operate in parallel to control the nitrogen oxide (NOx, expressed as NO2), carbon monoxide (CO), volatile organic compounds (VOC) and formaldehyde emissions from Source P102. The permittee shall not operate Source P102 without the simultaneous operation of Control Devices C102A and C102B at any time.

SECTION D. Source Level Plan Approval Requirements

Source ID: P103 Source Name: ENGINE 3

Source Capacity/Throughput:

Conditions for this source occur in the following groups: ENGINES



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.

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.

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).

VII. ADDITIONAL REQUIREMENTS.

 # 001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12,

(a) Source P103 is a Mesa Model GV22PU, 4-stroke, rich-burn (4SRB), natural gas fired engine with a power rating of 671 brake-horsepower equipped with an air-to-fuel ratio controller.

(b) Control Device C103A is a MESA TWC 3-way non-selective catalytic reduction technology.

(c) Control Device C103B is a MESA TWC 3-way non-selective catalytic reduction technology.

SECTION D. Source Level Plan Approval Requirements

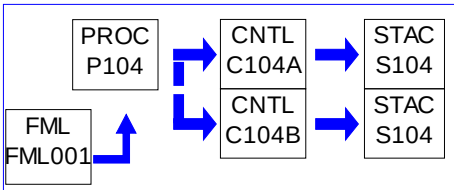
(d) Control Devices C103A and C103B shall operate in parallel to control the nitrogen oxide (NOx, expressed as NO2), carbon monoxide (CO), volatile organic compounds (VOC) and formaldehyde emissions from Source P103. The permittee shall not operate Source P103 without the simultaneous operation of Control Devices C103A and C103B at any time.

SECTION D. Source Level Plan Approval Requirements

Source ID: P104 Source Name: ENGINE 4

Source Capacity/Throughput:

Conditions for this source occur in the following groups: ENGINES



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.

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.

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).

VII. ADDITIONAL REQUIREMENTS.

 # 001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12,

(a) Source P104 is a Mesa Model GV22PU, 4-stroke, rich-burn (4SRB), natural gas fired engine with a power rating of 671 brake-horsepower equipped with an air-to-fuel ratio controller.

(b) Control Device C104A is a MESA TWC 3-way non-selective catalytic reduction technology.

(c) Control Device C104B is a MESA TWC 3-way non-selective catalytic reduction technology.

SECTION D. Source Level Plan Approval Requirements

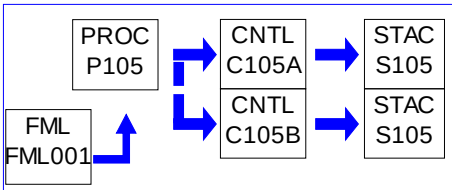
(d) Control Devices C104A and C104B shall operate in parallel to control the nitrogen oxide (NOx, expressed as NO2), carbon monoxide (CO), volatile organic compounds (VOC) and formaldehyde emissions from Source P104. The permittee shall not operate Source P104 without the simultaneous operation of Control Devices C104A and C104B at any time.

SECTION D. Source Level Plan Approval Requirements

Source ID: P105 Source Name: ENGINE 5

Source Capacity/Throughput:

Conditions for this source occur in the following groups: ENGINES



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.

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.

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).

VII. ADDITIONAL REQUIREMENTS.

 # 001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12,

(a) Source P105 is a Mesa Model GV22PU, 4-stroke, rich-burn (4SRB), natural gas fired engine with a power rating of 671 brake-horsepower equipped with an air-to-fuel ratio controller.

(b) Control Device C105A is a MESA TWC 3-way non-selective catalytic reduction technology.

(c) Control Device C105B is a MESA TWC 3-way non-selective catalytic reduction technology.

SECTION D. Source Level Plan Approval Requirements

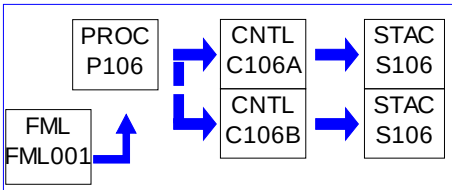
(d) Control Devices C105A and C105B shall operate in parallel to control the nitrogen oxide (NOx, expressed as NO2), carbon monoxide (CO), volatile organic compounds (VOC) and formaldehyde emissions from Source P105. The permittee shall not operate Source P105 without the simultaneous operation of Control Devices C105A and C105B at any time.

SECTION D. Source Level Plan Approval Requirements

Source ID: P106 Source Name: ENGINE 6

Source Capacity/Throughput:

Conditions for this source occur in the following groups: ENGINES



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.

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.

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).

VII. ADDITIONAL REQUIREMENTS.

 # 001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12,

(a) Source P106 is a Mesa Model GV22PU, 4-stroke, rich-burn (4SRB), natural gas fired engine with a power rating of 671 brake-horsepower equipped with an air-to-fuel ratio controller.

(b) Control Device C106A is a MESA TWC 3-way non-selective catalytic reduction technology.

(c) Control Device C106B is a MESA TWC 3-way non-selective catalytic reduction technology.

SECTION D. Source Level Plan Approval Requirements

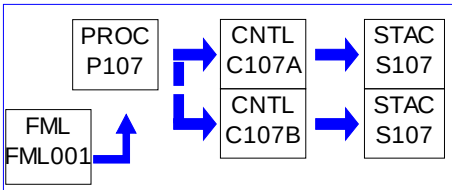
(d) Control Devices C106A and C106B shall operate in parallel to control the nitrogen oxide (NOx, expressed as NO2), carbon monoxide (CO), volatile organic compounds (VOC) and formaldehyde emissions from Source P106. The permittee shall not operate Source P106 without the simultaneous operation of Control Devices C106A and C106B at any time.

SECTION D. Source Level Plan Approval Requirements

Source ID: P107 Source Name: ENGINE 7

Source Capacity/Throughput:

Conditions for this source occur in the following groups: ENGINES



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.

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.

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).

VII. ADDITIONAL REQUIREMENTS.

 # 001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12,

(a) Source P107 is a Mesa Model GV22PU, 4-stroke, rich-burn (4SRB), natural gas fired engine with a power rating of 671 brake-horsepower equipped with an air-to-fuel ratio controller.

(b) Control Device C107A is a MESA TWC 3-way non-selective catalytic reduction technology.

(c) Control Device C107B is a MESA TWC 3-way non-selective catalytic reduction technology.

SECTION D. Source Level Plan Approval Requirements

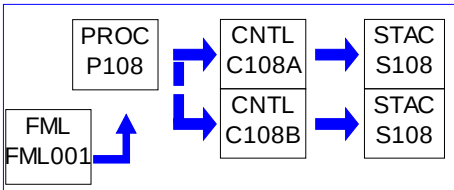
(d) Control Devices C107A and C107B shall operate in parallel to control the nitrogen oxide (NOx, expressed as NO2), carbon monoxide (CO), volatile organic compounds (VOC) and formaldehyde emissions from Source P107. The permittee shall not operate Source P107 without the simultaneous operation of Control Devices C107A and C107B at any time.

SECTION D. Source Level Plan Approval Requirements

Source ID: P108 Source Name: ENGINE 8

Source Capacity/Throughput:

Conditions for this source occur in the following groups: ENGINES



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.

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.

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).

VII. ADDITIONAL REQUIREMENTS.

 # 001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12,

(a) Source P108 is a Mesa Model GV22PU, 4-stroke, rich-burn (4SRB), natural gas fired engine with a power rating of 671 brake-horsepower equipped with an air-to-fuel ratio controller.

(b) Control Device C108A is a MESA TWC 3-way non-selective catalytic reduction technology.

(c) Control Device C108B is a MESA TWC 3-way non-selective catalytic reduction technology.

SECTION D. Source Level Plan Approval Requirements

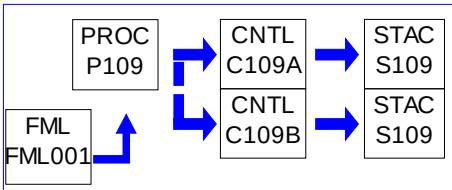
(d) Control Devices C108A and C108B shall operate in parallel to control the nitrogen oxide (NOx, expressed as NO2), carbon monoxide (CO), volatile organic compounds (VOC) and formaldehyde emissions from Source P108. The permittee shall not operate Source P108 without the simultaneous operation of Control Devices C108A and C108B at any time.

SECTION D. Source Level Plan Approval Requirements

Source ID: P109 Source Name: ENGINE 9

Source Capacity/Throughput:

Conditions for this source occur in the following groups: ENGINES



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.

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.

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).

VII. ADDITIONAL REQUIREMENTS.

 # 001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12,

(a) Source P109 is a Mesa Model GV22PU, 4-stroke, rich-burn (4SRB), natural gas fired engine with a power rating of 671 brake-horsepower equipped with an air-to-fuel ratio controller.

(b) Control Device C109A is a MESA TWC 3-way non-selective catalytic reduction technology.

(c) Control Device C109B is a MESA TWC 3-way non-selective catalytic reduction technology.

SECTION D. Source Level Plan Approval Requirements

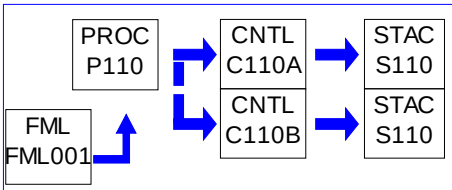
(d) Control Devices C109A and C109B shall operate in parallel to control the nitrogen oxide (NOx, expressed as NO2), carbon monoxide (CO), volatile organic compounds (VOC) and formaldehyde emissions from Source P109. The permittee shall not operate Source P109 without the simultaneous operation of Control Devices C109A and C109B at any time.

SECTION D. Source Level Plan Approval Requirements

Source ID: P110 Source Name: ENGINE 10

Source Capacity/Throughput:

Conditions for this source occur in the following groups: ENGINES



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.

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.

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).

VII. ADDITIONAL REQUIREMENTS.

 # 001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12,

(a) Source P110 is a Mesa Model GV22PU, 4-stroke, rich-burn (4SRB), natural gas fired engine with a power rating of 671 brake-horsepower equipped with an air-to-fuel ratio controller.

(b) Control Device C110A is a MESA TWC 3-way non-selective catalytic reduction technology.

(c) Control Device C110B is a MESA TWC 3-way non-selective catalytic reduction technology.

SECTION D. Source Level Plan Approval Requirements

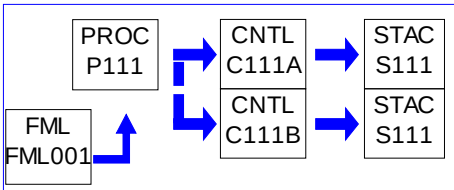
(d) Control Devices C110A and C1101B shall operate in parallel to control the nitrogen oxide (NOx, expressed as NO2), carbon monoxide (CO), volatile organic compounds (VOC) and formaldehyde emissions from Source P110. The permittee shall not operate Source P110 without the simultaneous operation of Control Devices C110A and C110B at any time.

SECTION D. Source Level Plan Approval Requirements

Source ID: P111 Source Name: ENGINE 11

Source Capacity/Throughput:

Conditions for this source occur in the following groups: ENGINES



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.

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.

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).

VII. ADDITIONAL REQUIREMENTS.

 # 001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12,

(a) Source P111 is a Mesa Model GV22PU, 4-stroke, rich-burn (4SRB), natural gas fired engine with a power rating of 671 brake-horsepower equipped with an air-to-fuel ratio controller.

(b) Control Device C111A is a MESA TWC 3-way non-selective catalytic reduction technology.

(c) Control Device C111B is a MESA TWC 3-way non-selective catalytic reduction technology.

SECTION D. Source Level Plan Approval Requirements

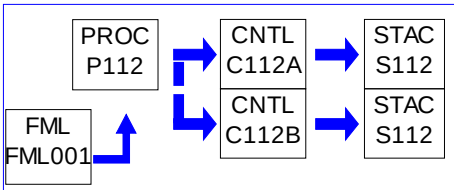
(d) Control Devices C111A and C111B shall operate in parallel to control the nitrogen oxide (NOx, expressed as NO2), carbon monoxide (CO), volatile organic compounds (VOC) and formaldehyde emissions from Source P111. The permittee shall not operate Source P111 without the simultaneous operation of Control Devices C111A and C111B at any time.

SECTION D. Source Level Plan Approval Requirements

Source ID: P112 Source Name: ENGINE 12

Source Capacity/Throughput:

Conditions for this source occur in the following groups: ENGINES



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.

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.

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).

VII. ADDITIONAL REQUIREMENTS.

 # 001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12,

(a) Source P112 is a Mesa Model GV22PU, 4-stroke, rich-burn (4SRB), natural gas fired engine with a power rating of 671 brake-horsepower equipped with an air-to-fuel ratio controller.

(b) Control Device C112A is a MESA TWC 3-way non-selective catalytic reduction technology.

(c) Control Device C112B is a MESA TWC 3-way non-selective catalytic reduction technology.

SECTION D. Source Level Plan Approval Requirements

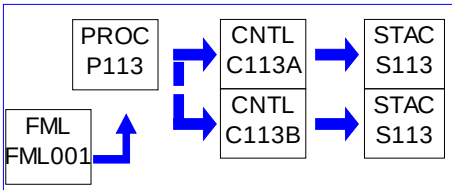
(d) Control Devices C112A and C112B shall operate in parallel to control the nitrogen oxide (NOx, expressed as NO2), carbon monoxide (CO), volatile organic compounds (VOC) and formaldehyde emissions from Source P112. The permittee shall not operate Source P112 without the simultaneous operation of Control Devices C112A and C112B at any time.

SECTION D. Source Level Plan Approval Requirements

Source ID: P113 Source Name: ENGINE 13

Source Capacity/Throughput:

Conditions for this source occur in the following groups: ENGINES



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.

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.

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).

VII. ADDITIONAL REQUIREMENTS.

 # 001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12,

(a) Source P113 is a Mesa Model GV22PU, 4-stroke, rich-burn (4SRB), natural gas fired engine with a power rating of 671 brake-horsepower equipped with an air-to-fuel ratio controller.

(b) Control Device C113A is a MESA TWC 3-way non-selective catalytic reduction technology.

(c) Control Device C113B is a MESA TWC 3-way non-selective catalytic reduction technology.

SECTION D. Source Level Plan Approval Requirements

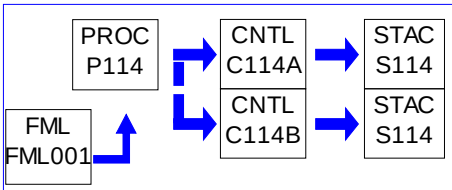
(d) Control Devices C113A and C113B shall operate in parallel to control the nitrogen oxide (NOx, expressed as NO2), carbon monoxide (CO), volatile organic compounds (VOC) and formaldehyde emissions from Source P113. The permittee shall not operate Source P113 without the simultaneous operation of Control Devices C113A and C113B at any time.

SECTION D. Source Level Plan Approval Requirements

Source ID: P114 Source Name: ENGINE 14

Source Capacity/Throughput:

Conditions for this source occur in the following groups: ENGINES



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.

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.

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).

VII. ADDITIONAL REQUIREMENTS.

 # 001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12,

(a) Source P114 is a Mesa Model GV22PU, 4-stroke, rich-burn (4SRB), natural gas fired engine with a power rating of 671 brake-horsepower equipped with an air-to-fuel ratio controller.

(b) Control Device C114A is a MESA TWC 3-way non-selective catalytic reduction technology.

(c) Control Device C114B is a MESA TWC 3-way non-selective catalytic reduction technology.

SECTION D. Source Level Plan Approval Requirements

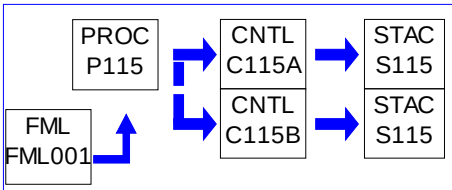
(d) Control Devices C114A and C114B shall operate in parallel to control the nitrogen oxide (NOx, expressed as NO2), carbon monoxide (CO), volatile organic compounds (VOC) and formaldehyde emissions from Source P114. The permittee shall not operate Source P114 without the simultaneous operation of Control Devices C114A and C114B at any time.

SECTION D. Source Level Plan Approval Requirements

Source ID: P115 Source Name: ENGINE 15

Source Capacity/Throughput:

Conditions for this source occur in the following groups: ENGINES



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.

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.

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).

VII. ADDITIONAL REQUIREMENTS.

 # 001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12,

(a) Source P115 is a Mesa Model GV22PU, 4-stroke, rich-burn (4SRB), natural gas fired engine with a power rating of 671 brake-horsepower equipped with an air-to-fuel ratio controller.

(b) Control Device C115A is a MESA TWC 3-way non-selective catalytic reduction technology.

(c) Control Device C115B is a MESA TWC 3-way non-selective catalytic reduction technology.

SECTION D. Source Level Plan Approval Requirements

(d) Control Devices C1051A and C115B shall operate in parallel to control the nitrogen oxide (NOx, expressed as NO2), carbon monoxide (CO), volatile organic compounds (VOC) and formaldehyde emissions from Source P115. The permittee shall not operate Source P115 without the simultaneous operation of Control Devices C115A and C115B at any time.

SECTION E. Source Group Plan Approval Restrictions.

Group Name: ENGINES

Group Description: Fifteen (15) Mesa Model GV22PU, 4-stroke, rich-burn (4SRB), natural gas fired engines

Sources included in this group

ID	Name
P101	ENGINE 1
P102	ENGINE 2
P103	ENGINE 3
P104	ENGINE 4
P105	ENGINE 5
P106	ENGINE 6
P107	ENGINE 7
P108	ENGINE 8
P109	ENGINE 9
P110	ENGINE 10
P111	ENGINE 11
P112	ENGINE 12
P113	ENGINE 13
P114	ENGINE 14
P115	ENGINE 15

I. RESTRICTIONS.

Emission Restriction(s).

 # 001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

[Compliance with the requirements of this condition will assure compliance with the requirements of 25 Pa. Code Sections 123.13 and 123.23 for particualte matter and sulfur oxide emissions, respectively as well as 40 CFR Section 60.4233]

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, the permittee shall not permit the following air contaminant emissions from the exhaust of Control Devices C101A and C101B through C115A and C115B associated with Sources P101 through P115, respectively, in excess of the limitations listed below:

(a) nitrogen oxides (NOx, expressed as NO2) – 0.20 grams per brake horsepower, 0.30 pounds per hour and 1.30 tons in any 12 consecutive month period,

(b) carbon monoxide (CO) – 0.30 grams per brake horsepower, 0.44 pounds per hour and 1.94 tons in any 12 consecutive month period,

(c) volatile organic compounds (VOC, expressed as propane and includes formaldehyde) –0.20 grams per brake horsepower, 0.30 pounds per hour and 1.30 tons in any 12 consecutive month period,

(d) sulfur oxides (SOx, expressed as SO2) - 0.00062 pounds per million Btu and 0.013 tons in any 12 consecutive month period,

(e) particulate matter (PM/PM10) – 0.01 grains per dry standard cubic foot of exhaust gas, 0.0094 pounds per million Btu and 0.20 tons in any 12 consecutive month period,

(f) formaldehyde – 0.0071 grams per brake horsepower, 0.011 pounds per hour and 0.05 tons in any 12 consecutive month period.

(g) carbon dioxide equivalent (CO2e) - 559 pounds per hour and 2446 tons in any 12 consecutive month period.

SECTION E. Source Group Plan Approval Restrictions.

 # 002 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

[Compliance with this condition assures compliance with the requirements of 25 Pa. Code Section 123.41]

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, the permittee may not permit the emission of visible air contaminants from the exhaust of Control Devices C101A and C101B through C115A and C115B associated with Sources P101 through P115, respectively, into the outdoor atmosphere in such a manner that the opacity of the emission is equal to or greater than 10% at any time.

Fuel Restriction(s).

 # 003 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, the permittee shall only use natural gas as fuel for Sources P101 through P115.

II. TESTING REQUIREMENTS.

 # 004 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) The permittee shall perform nitrogen oxide (NOx, expressed as NO2), carbon monoxide, volatile organic compound and formaldehyde stack tests upon the exhaust Control Devices C101A and C101B through C115A and C115B associated with Sources P101 through P115, respectively, within 180 days from the initial operation of each engine to verify compliance with the emission limitations

(b) The performance test shall consist of three (3) separate test runs and each run shall last at least in one (1) hour in duration.

(c) The testing of the outlet of each Control Device C101A and C101B through C115A and C115B.

(d) The inlet gas temperature and the pressure drop across Control Devices C101A and C101B through C115A and C115B,shall be recorded on a continuous basis during the test. The requirement for the temperature range and pressure drop across each control device will be established based upon the recorded data and stack test report.

(e) All testing is to be done using EPA reference method test procedures acceptable to the Department and all testing is to be performed while Sources P101 through P115 are operating at +/- 10% of full load.

 # 005 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The permittee shall perform periodic monitoring on the outlet of Control Devices C101A and C101B through C115A and C115B associated with Sources P101 through P115, respectively, every 2,500 hours of operation, but no sooner than forty-five (45) days from the previous test, to verify continued compliance with the nitrogen oxides (NOx, expressed as NO2) and carbon monoxide emission limitations. A portable gas analyzer may be used to satisfy the requirements of this condition utilizing three test runs of twenty (20) minutes for each test run. The Department may alter the frequency of portable analyzer tests based on the test results. The frequency of portable gas analyzer tests may be altered with written Departmental approval. The portable gas analyzer shall be used and maintained according to the manufacturer's specifications and the procedures specified in ASTM D 6522 or equivalent, as approved by the Department. The Department reserves the right to require stack testing on Sources P101 through P115 in accordance with EPA reference methods should the data from the portable analyzer warrant such tests.

 # 006 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4243]

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

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

Every 8,760 hours of operation or every three (3) years, whichever comes first, stack testing shall be performed on Sources P101 through P115 to verify compliance with the nitrogen oxides (NOx, expressed as NO2), carbon monoxide and volatile organic compound (excluding formaldehyde) emission limitations using test methods and procedures acceptable to the Department, as well as in compliance with the test methods and procedures specified in Subpart JJJJ of the federal Standards of Performance for Stationary Spark Ignition Internal Combustion Engines, 40 CFR 60.4244. All testing shall be

SECTION E. Source Group Plan Approval Restrictions.

performed while the source is operating at full load and full speed.

III. MONITORING REQUIREMENTS.

 # 007 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, the permittee shall equip Control Devices C101A and C101B through C115A and C115B with instrumentation to continuously monitor the differential pressure and inlet and outlet gas temperatures, and an alarm to notify the operator of an exceedance of the temperature limit for each control device.

 # 008 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, Sources P101 through P115 shall each be equipped with a non-resettable hour meter.

IV. RECORDKEEPING REQUIREMENTS.

 # 009 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) The permittee shall keep comprehensive and accurate records of the following information:

(1) The supporting calculations on a monthly basis used to verify compliance with the nitrogen oxide, carbon monoxide, volatile organic compound, particulate matter, sulfur oxide, formaldehyde, and carbon dioxide equivalent emission limitations for Control Devices C101A and C101B through C115A and C115B associated with Sources P101 hrough P115, respectively, in any 12 consecutive month period. This includes clearly identifying the emission factors used for each contaminant and the source of those emission factors.

(2) The test reports and supporting calculations used to verify compliance with the nitrogen oxide, carbon monoxide, volatile organic compound, and formaldehyde emission limitations from Control Devices C101A and C101B through C115A and C115B associated with Sources P101 through P115, respectively.

(3) The pressure drop across and the inlet gas temperature of Control Devices C101A and C101B through C115A and C115B associated with Sources P101 through P115, respectively, on a continuous basis via a data acquisition system and shall compute the hourly averages.

(4) The amount of natural gas fired in Sources P101 through P115 on a monthly basis.

(5) The number of hours that Sources P101 through P115 are operated on a monthly basis.

(6) The date and nature of all maintenance performed on Sources P101 through P115 and the Control Devices C101A and C101B through C115A and C115B.

(7) The manufacturer's specifications and recommended maintenance schedules for the engines and control devices.

(8) The dates and results of all periodic monitoring.

(b) All records generated pursuant numbers 1, 4, and 5 in this condition shall be generated and complete no later than 15 calendar days after the end of each month (for example, the record covering the 12-consecutive month period beginning at the start of December 2025 through the end of November 2026 shall be generated and complete by December 15, 2026). If the 15th calendar day falls on a Saturday or Sunday or legal holiday in this Commonwealth the deadline becomes the next business day that is not a Saturday, Sunday nor holiday.

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

SECTION E. Source Group Plan Approval 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).

VI. WORK PRACTICE REQUIREMENTS.

 # 010 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, the permittee shall limit each engine's time spent at idle during startup or shutdown to a period appropriate for the operation of the engine and air pollution control equipment consistent with good air pollution control practices, not to exceed 30 minutes, during which time the emissions limits (except the annual emissions expressed as in any 12 consecutive month period) do not apply.

VII. ADDITIONAL REQUIREMENTS.

 # 011 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, the exhaust temperature of Control Devices C101A and C101B through C115A and C115B, shall not exceed 1,350 degrees Fahrenheit.

 # 012 [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?

Sources P101 through P115 are subject to the requirements of 40 CFR Part 60 Subpart JJJJ Sections 60.4230 through 60.4248. The permittee shall comply with all applicable requirements of Subpart JJJJ of the New Source Performance Standards (NSPS) for Sources P101 through P115 as specified in 40 CFR Sections 60.4230 through 60.4248.

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.

(a) The following air contaminant sources are considered to be insignificant emission sources and have been determined to be exempt from permit requirements. However, this determination does not exempt the sources from compliance with all applicable air quality regulations specified in 25 Pa. Code Chapters 121-145:

(1) one 400-barrel (16,800 gallon) produced water tank
(2) one 300-gallon drip tank
(3) one 1.0 MMBtu/hr natural gas-fired gas processing unit that shall be fired on natural gas only and be operated in accordance with the manufacturer's specifications

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