



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

**STATE ONLY NATURAL MINOR OPERATING PERMIT**

Issue Date: February 1, 2023

Effective Date: February 1, 2023

Expiration Date: January 31, 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 operate the air emission source(s) more fully described in this permit. This Facility is subject to all terms and conditions specified in this permit. Nothing in this permit relieves the permittee from its obligations to comply with all applicable Federal, State and Local laws and regulations.

The regulatory or statutory authority for each permit condition is set forth in brackets. All terms and conditions in this permit are federally enforceable unless otherwise designated.

**State Only Permit No: 17-00069**

Natural Minor

Federal Tax Id - Plant Code: 24-6000376-4

**Owner Information**

Name: PA STATE UNIV  
Mailing Address: 3641 MCGEORGE RD  
CLEARFIELD, PA 16830

**Plant Information**

Plant: PA STATE UNIV/WPSU TOWER  
Location: 17 Clearfield County 17935 Lawrence Township  
SIC Code: 4832 Trans. & Utilities - Radio Broadcasting Stations

**Responsible Official**

Name: RUSSELL E RANG  
Title: ASST VP OF OPERATIONS  
Phone: (805) 889 - 5094 Email: rcr104@psu.edu

**Permit Contact Person**

Name: JONATHAN A WIDMER  
Title: BROADCAST ENGR MGR  
Phone: (814) 863 - 9400 Email: jaw933@psu.edu

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

*MUHAMMAD Q. ZAMAN, ENVIRONMENTAL PROGRAM MANAGER, NORTHCENTRAL REGION*

**SECTION A. Table of Contents****Section A. Facility/Source Identification**

Table of Contents  
Site Inventory List

**Section B. General State Only Requirements**

- #001 Definitions.
- #002 Operating Permit Duration.
- #003 Permit Renewal.
- #004 Operating Permit Fees under Subchapter I.
- #005 Transfer of Operating Permits.
- #006 Inspection and Entry.
- #007 Compliance Requirements.
- #008 Need to Halt or Reduce Activity Not a Defense.
- #009 Duty to Provide Information.
- #010 Revising an Operating Permit for Cause.
- #011 Operating Permit Modifications
- #012 Severability Clause.
- #013 De Minimis Emission Increases.
- #014 Operational Flexibility.
- #015 Reactivation
- #016 Health Risk-based Emission Standards and Operating Practice Requirements.
- #017 Circumvention.
- #018 Reporting Requirements.
- #019 Sampling, Testing and Monitoring Procedures.
- #020 Recordkeeping.
- #021 Property Rights.
- #022 Alternative Operating Scenarios.
- #023 Reporting
- #024 Report Format

**Section C. Site Level State Only 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 State Only 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



## SECTION A. Table of Contents

- 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
- 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. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
P101	GENERATOR ENGINE	30.000 Gal/HR	Diesel Fuel
C101	DIESEL OXIDATION CATALYST		
FML101	DIESEL FUEL TANK		
S101	GENERATOR ENGINE STACK		

**PERMIT MAPS**



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

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

**#002 [25 Pa. Code § 127.446]****Operating Permit Duration.**

- (a) This operating permit is issued for a fixed term of five (5) years and shall expire on the date specified on Page 1 of this permit.
- (b) The terms and conditions of the expired permit shall automatically continue pending issuance of a new operating permit, provided the permittee has submitted a timely and complete application and paid applicable fees required under 25 Pa. Code Chapter 127, Subchapter I and the Department is unable, through no fault of the permittee, to issue or deny a new permit before the expiration of the previous permit.

**#003 [25 Pa. Code §§ 127.412, 127.413, 127.414, 127.446 & 127.703(b)]****Permit Renewal.**

- (a) The permittee shall submit a timely and complete application for renewal of the operating permit to the appropriate Regional Air Program Manager. The application for renewal of the operating permit shall be submitted at least six (6) months and not more than 18 months before the expiration date of this permit.
- (b) The application for permit renewal shall include the current permit number, a description of any permit revisions that occurred during the permit term, and any applicable requirements that were promulgated and not incorporated into the permit during the permit term. An application is complete if it contains sufficient information to begin processing the application, has the applicable sections completed and has been signed by a responsible official.
- (c) The permittee shall submit with the renewal application a fee for the processing of the application as specified in 25 Pa. Code § 127.703(b). The fees shall be made payable to "The Commonwealth of Pennsylvania Clean Air Fund" and submitted with the fee form to the respective regional office.
- (d) The renewal application shall also include submission of proof that the local municipality and county, in which the facility is located, have been notified in accordance with 25 Pa. Code § 127.413.
- (e) The application for renewal of the operating permit shall also include submission of supplemental compliance review forms in accordance with the requirements of 25 Pa. Code § 127.412(b) and § 127.412(j).
- (f) The permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information as necessary to address any requirements that become applicable to the source after the permittee submits a complete application, but prior to the date the Department takes action on the permit application.

**#004 [25 Pa. Code § 127.703]****Operating Permit Fees under Subchapter I.**

- (a) The permittee shall pay the annual operating permit maintenance fee according to the following fee schedule in either paragraph (1) or (2) in accordance with 25 Pa. Code § 127.703(d) on or before December 31 of each year for the next calendar year.
  - (1) For a synthetic minor facility, a fee equal to:
    - (i) Four thousand dollars (\$4,000) for calendar years 2021—2025.
    - (ii) Five thousand dollars (\$5,000) for calendar years 2026—2030.
    - (iii) Six thousand three hundred dollars (\$6,300) for the calendar years beginning with 2031.

**SECTION B. General State Only Requirements**

(2) For a facility that is not a synthetic minor, a fee equal to:

- (i) Two thousand dollars (\$2,000) for calendar years 2021—2025.
- (ii) Two thousand five hundred dollars (\$2,500) for calendar years 2026—2030.
- (iii) Three thousand one hundred dollars (\$3,100) for the calendar years beginning with 2031.

(b) The applicable fees shall be made payable to "The Commonwealth of Pennsylvania Clean Air Fund" with the permit number clearly indicated and submitted to the respective regional office.

**#005 [25 Pa. Code §§ 127.450 (a)(4) and 127.464]****Transfer of Operating Permits.**

(a) This operating permit may not be transferred to another person, except in cases of transfer-of-ownership that are documented and approved by the Department.

(b) In accordance with 25 Pa. Code § 127.450(a)(4), a change in ownership of the source shall be treated as an administrative amendment if the Department determines that no other change in the permit is required and a written agreement has been submitted to the Department identifying the specific date of the transfer of permit responsibility, coverage and liability between the current and the new permittee and a compliance review form has been submitted to, and the permit transfer has been approved by, the Department.

(c) This operating permit is valid only for those specific sources and the specific source locations described in this permit.

**#006 [25 Pa. Code § 127.441 and 35 P.S. § 4008]****Inspection and Entry.**

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

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

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

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

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

(b) Pursuant to 35 P.S. § 4008, no person shall hinder, obstruct, prevent or interfere with the Department or its personnel in the performance of any duty authorized under the Air Pollution Control Act or regulations adopted thereunder including denying the Department access to a source at this facility. Refusal of entry or access may constitute grounds for permit revocation and assessment of criminal and/or civil penalties.

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

**#007 [25 Pa. Code §§ 127.441 & 127.444]****Compliance Requirements.**

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

**SECTION B. General State Only Requirements**

- (1) Enforcement action
- (2) Permit termination, revocation and reissuance or modification
- (3) Denial of a permit renewal application

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

(c) For purposes of Sub-condition (b) of this permit condition, the specifications in applications for plan approvals and operating permits are the physical configurations and engineering design details which the Department determines are essential for the permittee's compliance with the applicable requirements in this State-Only permit. Nothing in this sub-condition shall be construed to create an independent affirmative duty upon the permittee to obtain a predetermination from the Department for physical configuration or engineering design detail changes made by the permittee.

**#008 [25 Pa. Code § 127.441]****Need to Halt or Reduce Activity Not a Defense.**

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

**#009 [25 Pa. Code §§ 127.442(a) & 127.461]****Duty to Provide Information.**

(a) The permittee shall submit reports to the Department containing information the Department may prescribe relative to the operation and maintenance of each source at the facility.

(b) The permittee shall furnish to the Department, in writing, information that the Department may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with the permit. Upon request, the permittee shall also furnish to the Department copies of records that the permittee is required to maintain in accordance with this permit.

**#010 [25 Pa. Code § 127.461]****Revising an Operating Permit for Cause.**

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

- (1) The permittee constructs or operates the source subject to the operating permit so that it is in violation of the Air Pollution Control Act, the Clean Air Act, the regulations thereunder, a plan approval, a permit or in a manner that causes air pollution.
- (2) 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.
- (3) The permittee has failed to submit a report required by the operating permit or an applicable regulation.
- (4) The EPA determines that the permit is not in compliance with the Clean Air Act or the regulations thereunder.

**#011 [25 Pa. Code §§ 127.450, 127.462, 127.465 & 127.703]****Operating Permit Modifications**

(a) The permittee is authorized to make administrative amendments, minor operating permit modifications and significant operating permit modifications, under this permit, as outlined below:

**SECTION B. General State Only Requirements**

(b) Administrative Amendments. The permittee shall submit the application for administrative operating permit amendments (as defined in 25 Pa. Code § 127.450(a)), according to procedures specified in § 127.450 unless precluded by the Clean Air Act or its regulations.

(c) Minor Operating Permit Modifications. The permittee shall submit the application for minor operating permit modifications (as defined 25 Pa. Code § 121.1) in accordance with 25 Pa. Code § 127.462.

(d) Significant Operating Permit Modifications. The permittee shall submit the application for significant operating permit modifications in accordance with 25 Pa. Code § 127.465.

(e) The applicable fees shall be made payable to "The Commonwealth of Pennsylvania Clean Air Fund" with the permit number clearly indicated and submitted to the respective regional office.

**#012 [25 Pa. Code § 127.441]****Severability Clause.**

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

**#013 [25 Pa. Code § 127.449]****De Minimis Emission Increases.**

(a) This permit authorizes de minimis emission increases in accordance with 25 Pa. Code § 127.449 so long as the permittee provides the Department with seven (7) days prior written notice before commencing any de minimis emissions increase. The written notice shall:

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

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

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

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

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

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

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

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

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

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

(d) In accordance with § 127.14, the permittee is authorized to install the following minor sources without the need for a plan approval or permit modification:



**SECTION B. General State Only Requirements**

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

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

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

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

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

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

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

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

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

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

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

(g) Except for de minimis emission increases, installation of minor sources made pursuant to this permit condition and Plan Approval Exemptions under 25 Pa. Code § 127.14 (relating to exemptions), the permittee is prohibited from making changes or engaging in activities that are not specifically authorized under this permit without first applying for a plan approval. In accordance with § 127.14(b), a plan approval is not required for the construction, modification, reactivation, or installation of the sources creating the de minimis emissions increase.

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

**#014 [25 Pa. Code § 127.3]****Operational Flexibility.**

The permittee is authorized to make changes within the facility in accordance with the regulatory provisions outlined in 25 Pa. Code § 127.3 (relating to operational flexibility) to implement the operational flexibility requirements provisions authorized under Section 6.1(i) of the Air Pollution Control Act and the operational flexibility terms and conditions of this permit. The provisions in 25 Pa. Code Chapter 127 which implement the operational flexibility requirements include the following:

(1) Section 127.14 (relating to exemptions)

(2) Section 127.447 (relating to alternative operating scenarios)

(3) Section 127.448 (relating to emissions trading at facilities with Federally enforceable emissions caps)

(4) Section 127.449 (relating to de minimis emission increases)

(5) Section 127.450 (relating to administrative operating permit amendments)

**SECTION B. General State Only Requirements**

(6) Section 127.462 (relating to minor operating permit modifications)

(7) Subchapter H (relating to general plan approvals and general operating permits)

**#015 [25 Pa. Code § 127.11]****Reactivation**

(a) The permittee may not reactivate a source that has been out of operation or production for at least one year unless the reactivation is conducted in accordance with a plan approval granted by the Department or in accordance with reactivation and maintenance plans developed and approved by the Department in accordance with 25 Pa. Code § 127.11a(a).

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

**#016 [25 Pa. Code § 127.36]****Health Risk-based Emission Standards and Operating Practice Requirements.**

(a) When needed to protect public health, welfare and the environment from emissions of hazardous air pollutants from new and existing sources, the permittee shall comply with the health risk-based emission standards or operating practice requirements imposed by the Department, except as precluded by §§ 6.6(d)(2) and (3) of the Air Pollution Control Act [35 P.S. § 4006.6(d)(2) and (3)].

(b) A person challenging a performance or emission standard established by the Department has the burden to demonstrate that performance or emission standard does not meet the requirements of Section 112 of the Clean Air Act.

**#017 [25 Pa. Code § 121.9]****Circumvention.**

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 25 Pa. Code Article III, except that with prior approval of the Department, the device or technique may be used for control of malodors.

**#018 [25 Pa. Code §§ 127.402(d) & 127.442]****Reporting Requirements.**

(a) The permittee shall comply with the applicable reporting requirements of the Clean Air Act, the regulations thereunder, the Air Pollution Control Act and 25 Pa. Code Article III including Chapters 127, 135 and 139.

(b) The permittee shall submit reports to the Department containing information the Department may prescribe relative to the operation and maintenance of any air contamination source.

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

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

(d) Any records or information including applications, forms, or reports submitted pursuant to this permit condition shall contain a certification by a responsible official as to truth, accuracy and completeness. The certifications submitted under this permit shall require a responsible official of the facility to certify that based on information and belief formed after reasonable inquiry, the statements and information in the documents are true, accurate and complete.

(e) Any records, reports or information submitted to the Department shall be available to the public except for such

**SECTION B. General State Only Requirements**

records, reports or information which meet the confidentiality requirements of § 4013.2 of the Air Pollution Control Act and §§ 112(d) and 114(c) of the Clean Air Act. The permittee may not request a claim of confidentiality for any emissions data generated for the facility.

**#019 [25 Pa. Code §§ 127.441(c) & 135.5]****Sampling, Testing and Monitoring Procedures.**

(a) The permittee shall comply with the monitoring, recordkeeping or reporting requirements of 25 Pa. Code Chapter 139 and the other applicable requirements of 25 Pa. Code Article III and additional requirements related to monitoring, reporting and recordkeeping required by the Clean Air Act and the regulations thereunder including the Compliance Assurance Monitoring requirements of 40 CFR Part 64, where applicable.

(b) Unless alternative methodology is required by the Clean Air Act and regulations adopted thereunder, sampling, testing and monitoring required by or used by the permittee to demonstrate compliance with any applicable regulation or permit condition shall be conducted in accordance with the requirements of 25 Pa. Code Chapter 139.

**#020 [25 Pa. Code §§ 127.441(c) and 135.5]****Recordkeeping.**

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

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

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

(c) The permittee shall maintain and make available to the Department upon request, records including computerized records that may be necessary to comply with the reporting, recordkeeping and emission statement requirements in 25 Pa. Code Chapter 135 (relating to reporting of sources). In accordance with 25 Pa. Code Chapter 135, § 135.5, such records may include records of production, fuel usage, maintenance of production or pollution control equipment or other information determined by the Department to be necessary for identification and quantification of potential and actual air contaminant emissions.

**#021 [25 Pa. Code § 127.441(a)]****Property Rights.**

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

**#022 [25 Pa. Code § 127.447]****Alternative Operating Scenarios.**

The permittee is authorized to make changes at the facility to implement alternative operating scenarios identified in this permit in accordance with 25 Pa. Code § 127.447.

**SECTION B. General State Only Requirements****#023 [25 Pa. Code §135.3]****Reporting**

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

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

**#024 [25 Pa. Code §135.4]****Report Format**

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

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

[Authority for this permit condition is also derived from 25 Pa. Code Sections 123.1 and 123.2]

(a) 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) 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:
  - (i) The emissions are of minor significance with respect to causing air pollution.
  - (ii) The emissions are not preventing or interfering with the attainment or maintenance of an ambient air quality standard.

(b) No person may permit fugitive particulate matter to be emitted into the outdoor atmosphere from a source specified in paragraphs (a)(1) through (6), above if the emissions are visible at the point the emissions pass outside the person's property.

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

[Authority for this permit condition is also derived from 25 Pa. Code Sections 123.41 and 123.42]

(a) No person may permit the emission into the outdoor atmosphere of visible air contaminants in such a manner that the opacity of the emission is either of the following:

- (1) Equal to or greater than 20% for a period or periods aggregating more than three minutes in any 1 hour.
  - (2) Equal to or greater than 60% at any time.
- (b) The emission limitations specified in (a)(1) and (2), above 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 Sections 123.1 (a)(1)—(9) (relating to prohibition of certain fugitive emissions).

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

[Authority for this permit condition is also derived from 25 Pa. Code Sections 139.1 and 139.16]

Upon the request of the Department, the permittee shall provide adequate sampling ports, safe sampling platforms, and adequate utilities for the performance of tests on a source or a fuel. The Department will set forth, in the request, the time

**SECTION C. Site Level Requirements**

period in which these facilities shall be provided as well as the specifications for such facilities.

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

[Authority for this permit condition is also derived from 25 Pa. Code Section 139.11]

(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.

(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, CO<sub>2</sub>, O<sub>2</sub> and N<sub>2</sub>), 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.

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

[Authority for this permit condition is also derived from 25 Pa. Code Section 123.43]

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.

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

If, at any time, the Department has cause to believe that air contaminant emissions from any of the sources authorized herein are in excess of the limitations specified in, or established pursuant to, any applicable regulation contained in 25 Pa. Code, Subpart C, Article III, the Department may require the permittee to conduct tests deemed necessary by the Department to determine the actual emission rate(s). The permittee shall perform such tests in accordance with applicable provisions of 25 Pa. Code, Chapter 139 (relating to sampling and testing) and in accordance with any restrictions or limitations established by the Department within one hundred and eighty (180) days of the date the Department notifies the permittee, in writing, of the testing requirement.

**# 007 [25 Pa. Code §127.441]****Operating permit 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



## SECTION C. Site Level Requirements

the Northcentral Regional Office Air Quality Program Manager and one electronic copy shall be sent to the PSIMS Administrator in Central Office. 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) If applicable, pursuant to 40 CFR § 60.8(a), 40 CFR § 61.13(f) and 40 CFR § 63.7(g), complete test reports shall be submitted to the Department no later than 60 calendar days after completion of the on-site testing portion of an EPA reference method test program.

(d) Pursuant to 25 Pa. Code § 139.53(b) a complete test report shall include a summary of the emission results on the first page of the report indicating if each pollutant measured is within permitted limits and a statement of compliance or 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), electronic copies of all submittals, besides notifications, shall be sent to the Northcentral Regional Office Air Quality Program Manager, with deadlines verified. In addition, an electronic copy shall be sent to the PSIMS Administrator in Central Office. Email addresses are provided on the PA DEP website.

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

### III. MONITORING REQUIREMENTS.

#### # 008 [25 Pa. Code §127.441]

##### **Operating permit terms and conditions.**

(a) The permittee shall conduct a weekly inspection of the facility during daylight hours while the facility is operating to detect visible emissions, visible fugitive emissions, and malodors. Weekly inspections are necessary to determine:

- (1) The presence of visible emissions.
- (2) The presence of visible fugitive emissions.
- (3) The presence of malodors beyond the boundaries of the facility.

(b) All detected visible emissions, visible fugitive emissions, or malodors that have the potential to exceed applicable limits shall be reported to the manager of the facility.

**SECTION C. Site Level Requirements****IV. RECORDKEEPING REQUIREMENTS.****# 009 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Authority for this permit condition is also derived from 25 Pa. Code Section 135.5]

The permittee shall maintain records including computerized records that may be necessary to comply with 25 Pa. Code Sections 135.3 (relating to reporting). These may include records of production, fuel usage, maintenance of production or pollution control equipment or other information determined by the Department to be necessary for identification and quantification of potential and actual air contaminant emissions.

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

The permittee shall maintain a logbook of the weekly facility inspections and shall record instances of visible emissions, visible fugitive emissions and malodorous air emissions, the name of the company representative monitoring these instances, and the date and time of each occurrence. The permittee shall also record the corrective action(s) taken to abate each recorded deviation or to prevent future occurrences.

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

All information generated to comply with Recordkeeping Requirements, herein shall be kept for a period of five (5) years and shall be made available to the Department upon request.

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

[Authority for this permit condition is also derived from 25 Pa. Code Section 127.442]

(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



**SECTION C. Site Level Requirements**

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 resulting from malfunction or emergency are required to be reported in the annual emissions inventory report, if the annual emissions inventory report is required by permit or authorization.

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

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

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

(a) The permittee shall submit to the Air Program Manager of DEP North Central Regional Office all requests, reports, applications, submittals, and other communications concerning applicable federal NSPS and NESHAP.

(b) 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:

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

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

[Authority for this permit condition is also derived from 25 Pa. Code Section 123.1]

The permittee shall take all reasonable actions for any source specified in condition #002 under Section C, herein, to prevent particulate matter from becoming airborne. These actions shall include, but not be limited to, the following:

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

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

[Authority for this permit condition is also derived from 25 Pa. Code Section 121.7]

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

**# 017 [25 Pa. Code §127.441]****Operating permit terms and conditions.**



## SECTION C. Site Level Requirements

[Authority for this permit condition is also derived from 25 Pa. Code Section 123.31]

No person may 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.

### VIII. COMPLIANCE CERTIFICATION.

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

### IX. COMPLIANCE SCHEDULE.

No compliance milestones exist.

**SECTION D. Source Level Requirements**

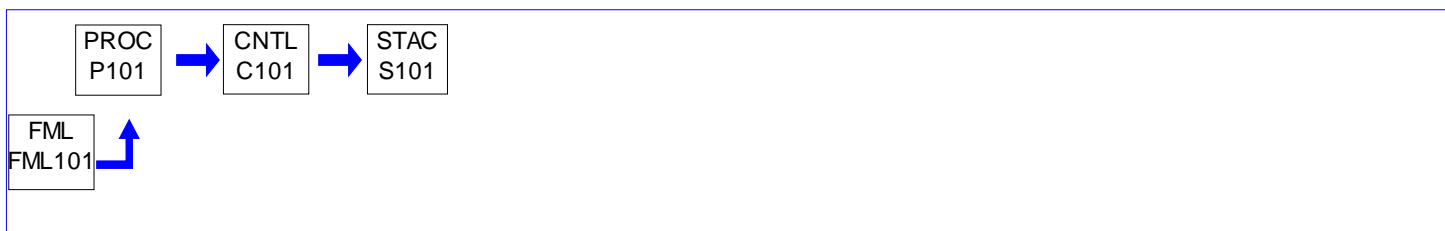
Source ID: P101

Source Name: GENERATOR ENGINE

Source Capacity/Throughput:

30.000 Gal/HR

Diesel Fuel

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

No person may permit the emission into the outdoor atmosphere of particulate matter from Source ID P101 in a manner that the concentration of particulate matter in the engine exhaust exceeds 0.04 grain per dry standard cubic foot.

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

No person may permit the emission into the outdoor atmosphere of sulfur oxides from Source ID P101 in a manner that the concentration of the sulfur oxides, expressed as SO<sub>2</sub>, in the engine exhaust exceeds 500 parts per million, by volume, dry basis.

**# 003 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6603]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What emission limitations, operating limitations, and other requirements must I meet if I own or operate an existing stationary CI engine?**

(a) Pursuant to 40 CFR section 63.6603(a) Source ID P101 shall be equipped with diesel oxidation catalyst (ID C101) to reduce carbon monoxide (CO) emissions in the engine exhaust to outdoor atmosphere such that the concentration of CO shall not exceed 23 ppmvd at 15 percent oxygen (O<sub>2</sub>) except during periods of startup.

(b) During periods of startup the permittee shall minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the non-startup emission limitation applies.

**Fuel Restriction(s).****# 004 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6604]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What fuel requirements must I meet if I own or operate an existing stationary CI engine?**

Pursuant to 40 CFR sections 63.6604(a) and 80.510(b), the engine incorporated in Source ID P101 shall only be operated using diesel fuel to which there has been no reclaimed or waste oil or other waste materials added. In addition, the diesel fuel shall meet the following per-gallon standards;

(i) Sulfur content. 15 ppm maximum.

(ii) A minimum cetane index of 40 or a maximum aromatic content of 35 percent by volume.

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

The permittee shall not operate the engine incorporated in Source ID P101 greater than 500 hours in any 12 consecutive

**SECTION D. Source Level Requirements**

month period.

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

Upon request, the permittee shall provide the Department with fuel analyses and/or samples of the fuel used in the engine incorporated in Source ID P101.

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

(a) The permittee shall conduct subsequent performance tests on the engine incorporated in Source ID P101 on a triennial basis pursuant to 40 CFR section 63.6615. Each test shall be conducted no later than 3 years after the date of the previous test and used to demonstrate compliance with the CO emission limit under Emission Restriction(s).

(b) All testing shall be conducted according to methods and procedures which are acceptable to the Department. Additionally, each subsequent performance test shall comply with all applicable requirements and testing procedures pertaining to the engine authorized within Source ID P101, as specified in 40 CFR section 63.6620 and Table 4 to Subpart ZZZZ of 40 CFR Part 63.

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

The permittee shall monitor the hours of operation of the engine incorporated in Source ID P101 using a non-resettable hour meter.

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

[Authority for this permit condition is also derived from 40 CFR sections 63.6625 and 63.6635]

The permittee shall monitor the inlet temperature of ID C101 using a continuous parametric monitoring system (CPMS) installed, operated and maintained in accordance with 40 CFR section 63.6625(b), the manufacturer's recommended specifications and the site-specific monitoring plan which describes the design, data collection, quality assurance and quality control elements of C101 inlet temperature monitoring to verify that the CPMS continuously samples and collects representative data of the above parameter at all times that Source ID P101 is operating except during monitor malfunctions, associated repairs, required performance evaluations, and required quality assurance or control activities per 40 CFR section 63.6635.

Pursuant to 40 CFR section 63.8(c)(3) the above CPMS shall be installed, operational, and the sampling data verified, i.e. completion of performance evaluation, prior to or in conjunction with conducting stack (performance) tests. Verification of operational status shall, at a minimum, include maintaining records of the manufacturer's written specifications or recommendations for installation, operation, and calibration of the instrumentation associated with the above CPMS.

The permittee shall keep readily available necessary parts for required routine repairs of affected CPMS equipment, if applicable.

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

[Authority for this permit condition is also derived from 40 CFR section 63.6625]

The permittee shall monitor the pressure drop across ID C101 using instrumentation installed, operated and maintained in accordance with the manufacturer's recommended specifications and the site-specific monitoring plan which describes the design, data collection, quality assurance and quality control elements of C101 pressure drop monitoring to verify that the

**SECTION D. Source Level Requirements**

instrumentation monitors and collects representative measurement data of the above parameter on a monthly basis, at least, in accordance with 40 CFR section 63.6625(b).

Pursuant to 40 CFR section 63.8(c)(3) the above monitoring shall be installed, operational, and the sampling data verified, i.e. completion of performance evaluation, prior to or in conjunction with conducting stack (performance) tests. Verification of operational status shall, at a minimum, include maintaining records of the manufacturer's written specifications or recommendations for installation, operation, and calibration of the instrumentation associated with the above monitoring.

The permittee shall keep readily available necessary parts for required routine repairs of affected monitoring equipment, if applicable.

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

All information generated to comply with Recordkeeping Requirements, herein shall be kept for a period of five (5) years and shall be made available to the Department upon request.

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

The permittee shall generate and keep records of the number of hours that Source ID P101 is operated each calendar month via the non-resettable hour meter. In addition, hour meter readings shall be recorded to generate and keep records of the hours of operation on a 12-month rolling sum basis to verify compliance with the 500-hour limit under Operation Hours Restriction(s).

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

For every shipment of fuel received by the permittee to be used to operate the engine incorporated in Source ID P101, the permittee shall obtain and keep record of a fuel certification report from the fuel supplier to verify compliance with the per-gallon standards under Fuel Restriction(s). The fuel certification report shall include the following information, at a minimum.

- (i) The date of delivery,
- (ii) The name of the fuel supplier,
- (iii) The sulfur content of the fuel.
- (iv) The cetane index or aromatic content of the fuel
- (v) A signed certification statement from the fuel supplier's responsible individual(s) specifying "Based on information and belief formed after reasonable inquiry, the results contained in the fuel shipment analysis report are true, accurate and complete."

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

[Authority for this permit condition is also derived from 40 CFR sections 63.6625]

The permittee shall generate and keep record of site-specific monitoring plans for C101 inlet temperature and pressure drop across C101, as required Monitoring Requirements. Each plan shall address the elements outlined below and in 40 CFR section 63.8(d), and shall be submitted to the Department within 60 days upon request.

- (i) The performance criteria and design specifications for each parameter monitoring system equipment, including the sample interface, detector signal analyzer, and data acquisition and calculations.
- (ii) Sampling interface (e.g., thermocouple) location such that each parameter monitoring system will provide representative measurements of the required monitoring.

**SECTION D. Source Level Requirements**

(iii) Any parameter monitoring equipment performance evaluations, system accuracy audits, or other audit procedures per the manufacturer's specifications or recommendations.

(iv) Ongoing operation and maintenance procedures in accordance with provisions in 40 CFR section 63.8(c)(3).

**# 015 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

[Authority for this permit condition is also derived from 40 CFR sections 63.6625 and 63.6655]

The permittee shall keep records of –

(1) All required CPMS measurements (including monitoring data recorded during unavoidable CPMS breakdowns and out-of-control periods);

(2) The date and time identifying each period during which the CPMS was inoperative except for zero (low-level) and high-level checks;

(3) The date and time identifying each period during which the CPMS was out of control, as defined in §63.8(c)(7);

(4) The specific identification (i.e., the date and time of commencement and completion) of each period of excess emissions and parameter monitoring exceedances that occurs during startups, shutdowns, and malfunctions of the engine associated with Source ID P101;

(5) The specific identification (i.e., the date and time of commencement and completion) of each time period of excess emissions and parameter monitoring exceedances that occurs during periods other than startups, shutdowns, and malfunctions of the engine associated with Source ID P101;

(6) The nature and cause of any CPMS malfunction;

(7) The corrective action taken or preventive measures adopted;

(8) The nature of the repairs or adjustments to the CPMS that was inoperative or out of control;

(9) The total process operating time during the reporting period; and

(10) All procedures that are part of a quality control program developed and implemented for CPMS under 40 CFR Section 63.8(d).

**# 016 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

[Authority for this permit condition is also derived from 40 CFR section 63.6640]

The permittee shall keep generate and keep records of C101 inlet temperature on a 4-hour rolling average basis to verify compliance with applicable operating limitations under Work Practice Requirements.

**# 017 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

[Authority for this permit condition is also derived from 40 CFR section 63.6640]

The permittee shall keep generate and keep records of pressure drop across ID C101 on a monthly basis, at least, to verify compliance with applicable operating limitations under Work Practice Requirements.

**# 018 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6655]**

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

**What records must I keep?**

**SECTION D. Source Level Requirements**

The permittee shall keep the records for the engine incorporated in Source ID P101 as required in 40 CFR section 63.6655(a).

**V. REPORTING REQUIREMENTS.**

**# 019 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6650]**

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

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

The permittee shall comply with the applicable reporting requirements pertaining to the engine incorporated in Source ID P101, as specified in 40 CFR section 63.6650.

**VI. WORK PRACTICE REQUIREMENTS.**

**# 020 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

Pursuant to 40 CFR section 63.6625(g) the permittee shall follow the manufacturer's specified maintenance requirements for operating and maintaining the open crankcase ventilation system(s) and replacing the crankcase filter(s). The installed open crankcase filtration emission control system shall reduce emissions from the engine crankcase by filtering the stream to remove oil mist, particulates and metals.

**# 021 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6603]**

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

**What emission limitations, operating limitations, and other requirements must I meet if I own or operate an existing stationary RICE located at an area source of HAP emissions?**

Pursuant to 40 CFR section 63.6603(a) the permittee shall maintain the diesel oxidation catalyst (ID C101) so that the pressure drop across the catalyst does not change by more than 2 inches of water (in. H<sub>2</sub>O) from 3 in. H<sub>2</sub>O as measured during the initial performance test conducted in November 2015.

**# 022 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6603]**

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

**What emission limitations, operating limitations, and other requirements must I meet if I own or operate an existing stationary RICE located at an area source of HAP emissions?**

Pursuant to 40 CFR section 63.6603(a) at all times Source ID P101 is in operation ID C101 inlet temperature shall be greater than or equal to 450 degrees Fahrenheit (F) and less than or equal to 1350 degrees F except during periods of startups.

**VII. ADDITIONAL REQUIREMENTS.**

**# 023 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

(a) Source ID P101 is a 400 kW electrical power generation process which consists of a diesel-fired reciprocating engine and a generator. The engine produces 587 bhp at 100% load and is a Caterpillar Model 3406C.

(b) ID C101 is a diesel oxidation catalyst - Clariant EnviCat 2307 (or equivalent as determined by the Department) - which shall control the air contaminant emissions from the engine incorporated in Source ID P101 at all times.

**# 024 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

The engine incorporated in Source ID P101 is subject to the National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines as codified in 40 Part 63 Subpart ZZZZ. The permittee shall comply with all applicable requirements pertaining to the engine, as specified in 40 CFR sections 63.6580 through 63.6675.



**SECTION E. Source Group Restrictions.**





**SECTION F. Alternative Operation Requirements.**

No Alternative Operations exist for this State Only facility.



**SECTION G. Emission Restriction Summary.**

No emission restrictions listed in this section of the permit.

**SECTION H. Miscellaneous.**

The following air contaminant source is considered to be of minor significance to the Department and have been determined to be exempt from permitting requirements. However, this determination does not exempt the source from compliance with all applicable air quality regulations specified in 25 Pa. Code Chapters 121-145:

One (1) 1000-gallon capacity fuel tank for Source P101, containing No. 2 oil/diesel.



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

---