



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
AIR QUALITY PROGRAM

STATE ONLY SYNTHETIC MINOR OPERATING PERMIT

Issue Date: December 2, 2025

Effective Date: December 2, 2025

Expiration Date: December 1, 2030

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: 46-00050

Synthetic Minor

Federal Tax Id - Plant Code: 81-5031055-1

Owner Information

Name: 727 NORRISTOWN RD LP  
Mailing Address: 727 NORRISTOWN RD  
LOWER GYWNEDD, PA 19002

Plant Information

Plant: 727 NORRISTOWN RD LP/SPRINGHOUSE TECH PARK  
Location: 46 Montgomery County 46934 Lower Gwynedd Township  
SIC Code: 8731 Services - Commercial Physical Research

Operator

Name: MARY JO RATIGAN [If different from owner]  
Mailing Address: 727 NORRISTOWN RD  
LOWER GYWNEDD, PA 19002

Responsible Official

Name: ALFRED SCARAMELLI  
Title: MANAGING DIRECTOR  
Phone: (617) 457 - 0420 Email: ascaramelli@beaconcapital.com

Permit Contact Person

Name: MARY JO RATIGAN  
Title: GENERAL MANAGER  
Phone: (215) 605 - 2641 Email: Maryjo.ratigan@cushwake.com

[Signature] \_\_\_\_\_  
JILLIAN A. GALLAGHER, SOUTHEAST REGION AIR PROGRAM MANAGER



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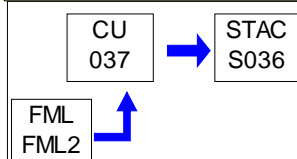
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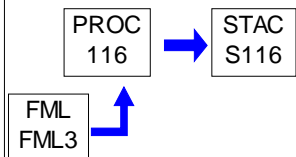
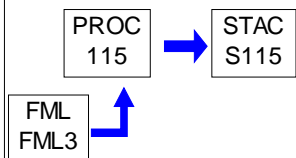
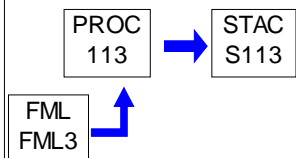
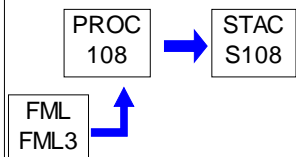
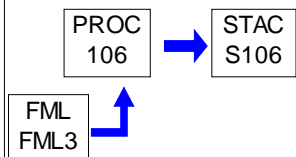
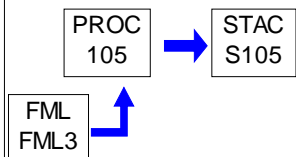
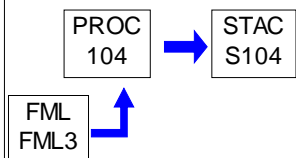
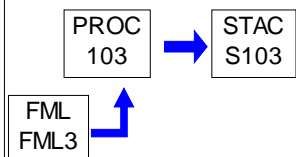
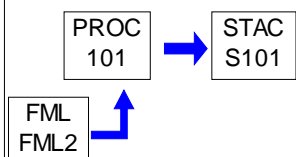
### **Section G. Emission Restriction Summary**

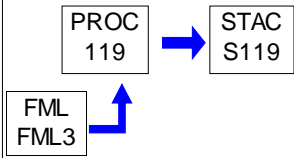
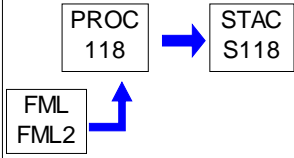
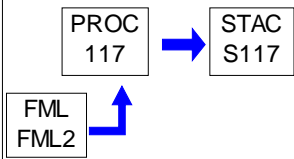
### **Section H. Miscellaneous**

**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
037	4 MMBTU/HR BOILERS (4)	4.000 MMBTU/HR	
		4.000 MCF/HR	Natural Gas
101	EXEMPTED COMBUSTION ENGINES (JJJJ)	1,072.000 CF/HR	Natural Gas
103	BLDG 2 - DIESEL ICE STANDBY GENERATOR	42.000 Gal/HR	Diesel Fuel
104	BLDG 3 - DIESEL ICE STANDBY GENERATOR	35.700 Gal/HR	Diesel Fuel
105	BLDG 4_5 - DIESEL ICE STANDBY GENERATOR	42.100 Gal/HR	Diesel Fuel
106	BLDG 9 - DIESEL ICE STANDBY GENERATOR	42.000 Gal/HR	Diesel Fuel
108	BLDG 2 (2022) - DIESEL ICE STANDBY GENERATOR	35.500 Gal/HR	Diesel Fuel
113	BLDG 14 - DIESEL ICE STANDBY GENERATOR	35.400 Gal/HR	Diesel Fuel
115	BLDG 6 - DIESEL ICE STANDBY GENERATOR	166.000 Gal/HR	Diesel Fuel
116	BLDG 4 – DIESEL ICE STANDBY GENERATOR – 200 KW	14.900 Gal/HR	Diesel Fuel
117	KOHLER NG ICE STANDBY GENERATOR – 228 KW	1,499.000 CF/HR	Natural Gas
118	CUMMINS NG ICE STANDBY GENERATOR – 325 KW	1,483.000 CF/HR	Natural Gas
119	BLDG 4 – DIESEL ICE STANDBY GENERATOR – 100 KW	7.400 Gal/HR	Diesel Fuel
FML2	NATURAL GAS PIPELINE		
FML3	ULTRA LOW SULFUR DIESEL		
S036	4 MMBTU/HR BOILER STACKS		
S101	EXEMPTED COMB. ENG. STACK		
S103	BLDG 2 - DIESEL ICE STANDBY GENERATOR STACK		
S104	BLDG 3 - DIESEL ICE STANDBY GENERATOR STACK		
S105	BLDG 4_5 - DIESEL ICE STANDBY GENERATOR STACK		
S106	BLDG 9 - DIESEL ICE STANDBY GENERATOR STACK		
S108	BLDG 2(2022) - DIESEL ICE STANDBY GENERATOR STACK		
S113	BLDG 14 - DIESEL ICE STANDBY GENERATOR STACK		
S115	BLDG 6 - DIESEL ICE STANDBY GENERATOR STACK		
S116	BLDG 4 – DIESEL ICE STANDBY GENERATOR – 200 KW STACK		
S117	KOHLER NG ICE STANDBY GENERATOR – 228 KW STACK		
S118	CUMMINS NG ICE STANDBY GENERATOR – 325 KW STACK		
S119	BLDG 4 – DIESEL ICE STANDBY GENERATOR – 100 KW STACK		

**PERMIT MAPS**

**PERMIT MAPS**

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

**SECTION B. General State Only Requirements**

- (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:
  - (1) Enforcement action



**SECTION B. General State Only Requirements**

(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:

(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

**SECTION B. General State Only Requirements**

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:

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

**SECTION B. General State Only Requirements**

- (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)
- (6) Section 127.462 (relating to minor operating permit modifications)
- (7) Subchapter H (relating to general plan approvals and general operating permits)

**SECTION B. General State Only Requirements****#015 [25 Pa. Code § 127.11a]****Reactivation of Sources**

- (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 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.

**SECTION B. General State Only Requirements****#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.

**#023 [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).

**SECTION B. General State Only Requirements****#024 [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.

**#025 [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 §123.1]****Prohibition of certain fugitive emissions**

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

- (1) Construction or demolition of buildings or structures.
- (2) Grading, paving and maintenance of roads and streets.
- (3) Use of roads and streets. Emissions from material in or on trucks, railroad cars and other vehicular equipment are not considered as emissions from use of roads and streets.
- (4) Clearing of land.
- (5) Stockpiling of materials.
- (6) Open burning operations, as specified in 25 Pa. Code § 129.14.
- (7) N/A
- (8) N/A

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

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

**# 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 25 Pa. Code § 123.1(a) (relating to prohibition of certain fugitive emissions) if such emissions are visible at the point the emissions pass outside the person's property.

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

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

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

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

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

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

The opacity limitations as per 25 Pa. Code § 123.41 shall not apply to a visible emission in either of the following instances:

- (a) When the presence of uncombined water is the only reason for failure to meet the limitations.
- (b) When the emission results from the operation of equipment used solely to train and test persons in observing the opacity of visible emissions.
- (c) When the emission results from the sources specified in 25 Pa. Code § 123.1(a) (relating to prohibition of certain fugitive emissions).

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

- (a) The total NO<sub>x</sub> for the facility shall not exceed emission limitations of 24.99 tons per 12-month rolling sum.
- (b) The permittee shall not exceed NO<sub>x</sub> emissions of 2.54 tons per 12-month rolling sum for the miscellaneous sources.

**SECTION C. Site Level Requirements****# 007 [25 Pa. Code §129.14]****Open burning operations**

No person may permit the open burning of material in the Southeast Air Basin except where the open burning operations result from:

- (a) a fire set to prevent or abate a fire hazard, when approved by DEP and set by or under the supervision of a public officer;
- (b) any fire set for the purpose of instructing personnel in fire fighting, when approved by DEP;
- (c) a fire set for the prevention and control of disease or pests, when approved by DEP;
- (d) a fire set in conjunction with the production of agricultural commodities in their unmanufactured state on the premises of the farm operation;
- (e) a fire set for the purpose of burning domestic refuse, when the fire is on the premises of a structure occupied solely as a dwelling by two families or less and when the refuse results from the normal occupancy of the structure;
- (f) a fire set solely for recreational or ceremonial purposes; or
- (g) a fire set solely for cooking food.

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

(a) If at any time DEP has cause to believe that air contaminant emissions from any source(s) may be in excess of the limitations specified in this Permit, or established pursuant to, any applicable rule or regulation contained in 25 Pa. Code Article III, the permittee shall be required to conduct whatever tests are deemed necessary by DEP to determine the actual emission rate(s).

((b) Such testing shall be conducted in accordance with the provisions of 25 Pa. Code Chapter 139, the most current version of the DEP Source Testing Manual, and the EPA Clean Air Act National Stack Testing Guidance, when applicable, and in accordance with any restrictions or limitations established by the Department at such time as it notifies the permittee that testing is required.

(c) DEP reserves the right to require exhaust stack testing of sources and control devices as necessary to verify emissions for purposes including determining the correct emission fee, malfunctions, or determining compliance with applicable requirements.

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

Visible emissions may be measured using either of the following:

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

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

Using a DEP approved methodology, the permittee shall monitor the emissions from the NO<sub>x</sub> emitting sources that are listed in the permit on a monthly basis.

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

- (a) The permittee shall monitor the facility, once per operating day, for the following:
  - (1) odors which may be objectionable (as per 25 Pa. Code §123.31);
  - (2) visible emissions (as per 25 Pa. Code §§123.41 and 123.42); and
  - (3) fugitive particulate matter (as per 25 Pa. Code §§ 123.1 and 123.2).



**SECTION C. Site Level Requirements**

- (b) Objectionable odors, fugitive particulate emissions, and visible emissions that are caused or may be caused by operations at the site shall:
- (1) be investigated;
  - (2) be reported to the facility management, or individual(s) designated by the permittee;
  - (3) have appropriate corrective action taken (for emissions that originate on-site); and
  - (4) be recorded in a permanent written log.
- (c) After six (6) months of daily monitoring, and upon the permittee's request, DEP will determine the feasibility of decreasing the monitoring frequency to weekly.
- (d) After six (6) months of weekly monitoring, and upon the permittee's request, DEP will determine the feasibility of decreasing the frequency of monitoring to monthly.
- (e) DEP reserves the right to change the above monitoring requirements at any time, based on but not limited to: the review of the compliance certification (if applicable), complaints, monitoring results, and/or DEP findings.

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

The permittee shall maintain records of all the facility's increases of emissions from the following categories:

- (a) emissions increase of minor significance without notification to DEP;
- (b) de minimis increases with notification to DEP, via letter;
- (c) increases resulting from a Request for Determination (RFD) to the DEP; and
- (d) increases resulting from the issuance of a plan approval and subsequent operating permit.

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

The permittee shall maintain records of all NO<sub>x</sub> emissions as required by this permit on a monthly and 12-month rolling basis.

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

The permittee shall maintain a record of all monitoring of fugitive emissions, visible emissions and odors, including those that deviate from the conditions found in this permit. The record of deviations shall contain, at a minimum, the following items:

- (a) The name and title of the company representative monitoring these instances.
- (b) The date and time of the observation.
- (c) A description of any emissions or objectionable odors observed. If none are observed, record that none are observed (ex. write "NONE").
- (d) The possible cause(s) of the emissions or malodors.
- (e) Corrective action(s) taken to abate or mitigate each recorded deviation and to prevent future occurrences.

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

[Additional authority for this permit condition is also derived from 40 C.F.R. Part 68.]

- (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 C.F.R. 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

**SECTION C. Site Level Requirements**

112(r) of the Clean Air Act, 40 C.F.R. Part 68 and the Federal Chemical Safety Information, Site Security and Fuels Regulatory Relief Act when a regulated substance listed in 40 C.F.R. § 68.130 is present in a process in more than the threshold quantity at a facility. The permittee shall submit the RMP to the federal Environmental Protection Agency according to the following schedule and requirements:

- (1) The permittee shall submit the first RMP to a central point specified by EPA no later than the latest of the following:
  - (i) Three years after the date on which a regulated substance is first listed under 40 C.F.R. § 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 DEP or EPA concerning the RMP and shall make subsequent submissions of RMPs in accordance with 40 C.F.R. § 68.190.

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

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

(d) If this facility is subject to 40 C.F.R. Part 68, as part of the certification required under this permit, the permittee shall:

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

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

(f) When this facility is subject to the accidental release program requirements of Section 112(r) of the Clean Air Act and 40 C.F.R. Part 68, appropriate enforcement action will be taken by the DEP if the permittee fails to register and submit the RMP or a revised plan pursuant to 40 C.F.R. Part 68.

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

The permittee shall report to DEP within 30 days, any exceedances of the site level NO<sub>x</sub> emission restrictions.

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

(a) The permittee shall report malfunctions, emergencies or incidents of excess emissions to DEP's 24-hour Emergency Hotline at 800.541.2050. 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 DEP 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 electronically submit any report of instances of such malfunctions, emergencies or incidents of excess emissions to DEP 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;

**SECTION C. Site Level Requirements**

- (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; and
  - (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 DEP by telephone within 24 hours (or by 4:00 PM of the next business day, whichever is later) of discovery and in writing or electronically 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.

**VI. WORK PRACTICE REQUIREMENTS.****# 018 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

A person responsible for any source specified 25 Pa. Code § 123.1 shall take all reasonable actions to prevent particulate matter from becoming airborne. These actions shall include, but not be limited to, the following

- (a) use, where possible, of water or suitable chemicals, for control of dust in the demolition of buildings or structures, construction operations, the grading of roads, or the clearing of land;
- (b) application of asphalt, water, or other suitable chemicals, on dirt roads, material stockpiles and other surfaces which may give rise to airborne dusts;
- (c) paving and maintenance of roadways; and
- (d) 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 by other means.

**# 019 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee may not modify any air contaminant system identified in this permit, prior to obtaining DEP approval, except those modifications authorized by Condition #013(g) of Section B, of this permit.

**# 020 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall immediately, upon discovery, implement measures which may include the application for the installation of an air cleaning device(s), if necessary, to reduce the air contaminant emissions to within applicable limitations, if at any time the operation of the source(s) identified in this permit, is causing the emission of air contaminants in excess of the limitations specified in, or established pursuant to 25 Pa. Code Article III or any other applicable rule promulgated under the Clean Air Act.

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

The permittee shall ensure that the source(s) and air pollution control device(s), listed in this permit, are operated and maintained in a manner consistent with good operating and maintenance practices, and in accordance with manufacturer's specifications.

**SECTION C. Site Level Requirements****VII. ADDITIONAL REQUIREMENTS.**

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

**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: 037

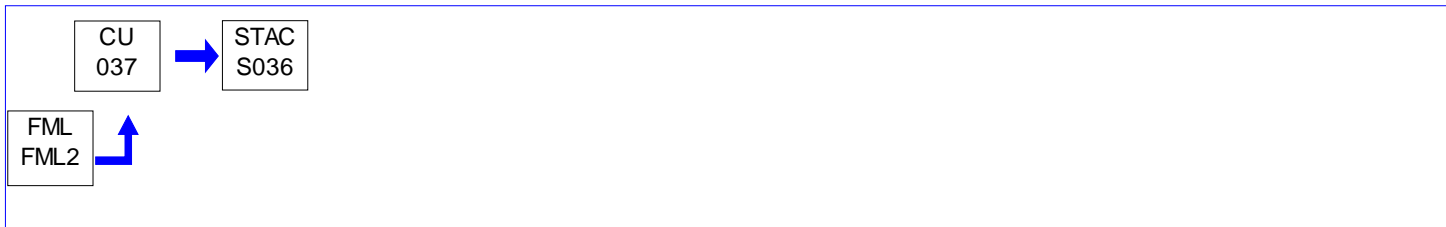
Source Name: 4 MMBTU/HR BOILERS (4)

Source Capacity/Throughput:

4.000 MMBTU/HR

4.000 MCF/HR

Natural Gas

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

# 001 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

Only natural gas shall be burned in any of these boilers.

[Compliance with this streamlined condition assures compliance with 25 Pa. Code §§ 123.11 and 123.22.]

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

# 002 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

Using a DEP approved method, the permittee shall record the amount of natural gas consumed by these boilers, on a monthly basis.

# 003 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall record the aggregate amount of natural gas consumed by these boilers, on a monthly basis and perform calculations to demonstrate compliance with the facility-wide NOx emission limit of 24.99 tons per 12-month rolling sum.

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

# 004 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

Each of these boilers shall be operated and maintained in accordance with manufacturer's specifications and good operating practices.

**SECTION D. Source Level Requirements****VII. ADDITIONAL REQUIREMENTS.****# 005 [25 Pa. Code §127.411]****Content of applications.**

This source consists of four (4) identical 4.0 MMBtu/hr natural gas fired boilers manufactured by Patterson Kelly, Model P-K Sonic 4000.

**SECTION D. Source Level Requirements**

Source ID: 101

Source Name: EXEMPTED COMBUSTION ENGINES (JJJJ)

Source Capacity/Throughput: 1,072.000 CF/HR Natural Gas

Conditions for this source occur in the following groups: ICE NOX LESS 6.6 TONS

**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 (PM) from a process in a matter that the concentration of PM in the effluent gas exceeds 0.04 gr/dscf.

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

No person may permit the emission into the outdoor atmosphere of sulfur oxides from this source in a matter that the concentration of sulfur oxides, expressed as SO<sub>2</sub>, in the effluent gas exceeds 500 ppmv.

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.****# 003 [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?**

Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

The permittee shall monitor the following information for the 163 hp Cummins engine:

- (a) hours spent for emergency operation, including what classified the operation as an emergency\*;
- (b) hours spent for non-emergency operation;\*\* and
- (c) hours spent for maintenance and readiness checks (note - 100 hours are permissible per year; but the permittee can petition for additional hours).

\* Operation for emergency demand response is not allowed.

\*\* Operation for non-emergency purposes up to fifty (50) hours per year is allowed, but such operation is to be counted toward the 100 hour limit in (c), above. The fifty (50) hours per year cannot be used for peak shaving or to generate income by supplying power to an electric grid or otherwise supply power as part of a financial arrangement with another entity.

**IV. RECORDKEEPING REQUIREMENTS.**

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

**SECTION D. Source Level Requirements****V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

**# 004 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4233]**

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

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

Additional authority for this permit condition is also derived from 25 Pa. Code § 127.441.]

Emissions from the 163 hp Cummins engine shall not exceed any of the following:

- (a) NO<sub>x</sub> - 2.0 g/hp-hr;
- (b) CO - 4.0 g/hp-hr; and
- (c) VOC - 1.0 g/hp-hr.

**VII. ADDITIONAL REQUIREMENTS.**

**# 005 [25 Pa. Code §127.411]**

**Content of applications.**

This source consists of a 163 horsepower, 4-stroke, 6-cylinder, natural gas-fired internal combustion engine manufactured by Cummins, model number QSJ5.9G-G3, installed in May, 2019.



**SECTION D. Source Level Requirements**

Source ID: 103

Source Name: BLDG 2 - DIESEL ICE STANDBY GENERATOR

Source Capacity/Throughput:

42.000 Gal/HR

Diesel Fuel

Conditions for this source occur in the following groups: GP ENGINES  
SUBPART IIII

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

No additional work practice requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

**VII. ADDITIONAL REQUIREMENTS.**

# 001 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

Kohler 600 kW, 600REOZVB Generator, Engine output 903 bhp, 674 kW

**SECTION D. Source Level Requirements**

Source ID: 104

Source Name: BLDG 3 - DIESEL ICE STANDBY GENERATOR

Source Capacity/Throughput:

35.700 Gal/HR

Diesel Fuel

Conditions for this source occur in the following groups: GP ENGINES  
SUBPART IIII

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

No additional work practice requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

**VII. ADDITIONAL REQUIREMENTS.**

# 001 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

CAT 500 kW, C15 D500 GC Generator, Engine output 762 bhp, Engine Model C15, Engine Serial Number FTE04865

**SECTION D. Source Level Requirements**

Source ID: 105

Source Name: BLDG 4\_5 - DIESEL ICE STANDBY GENERATOR

Source Capacity/Throughput:

42.100 Gal/HR

Diesel Fuel

Conditions for this source occur in the following groups: GP ENGINES  
SUBPART IIII

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

No additional work practice requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

**VII. ADDITIONAL REQUIREMENTS.**

# 001 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

CAT 600 kW, C18 D600GC Generator, Engine output 900 bhp, Engine Model C18, Engine Serial Number FST02844

**SECTION D. Source Level Requirements**

Source ID: 106

Source Name: BLDG 9 - DIESEL ICE STANDBY GENERATOR

Source Capacity/Throughput:

42.000 Gal/HR

Diesel Fuel

Conditions for this source occur in the following groups: GP ENGINES  
SUBPART IIII

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

No additional work practice requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

**VII. ADDITIONAL REQUIREMENTS.**

# 001 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

Kohler 600 kW, 600REOZVB Generator, Engine output 903 bhp, 674 kW

**SECTION D. Source Level Requirements**

Source ID: 108

Source Name: BLDG 2 (2022) - DIESEL ICE STANDBY GENERATOR

Source Capacity/Throughput:

35.500 Gal/HR

Diesel Fuel

Conditions for this source occur in the following groups: GP ENGINES  
SUBPART IIII

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

No additional work practice requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

**VII. ADDITIONAL REQUIREMENTS.**

# 001 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

Kohler 500 kW, 500REOZJC Generator, Engine output 755 bhp, 505 kW

**SECTION D. Source Level Requirements**

Source ID: 113

Source Name: BLDG 14 - DIESEL ICE STANDBY GENERATOR

Source Capacity/Throughput:

35.400 Gal/HR

Diesel Fuel

Conditions for this source occur in the following groups: GP ENGINES  
SUBPART IIII

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

No additional work practice requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

**VII. ADDITIONAL REQUIREMENTS.**

# 001 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

Engine Power 900 hp, Engine Model C18, Engine Serial Number FST03309

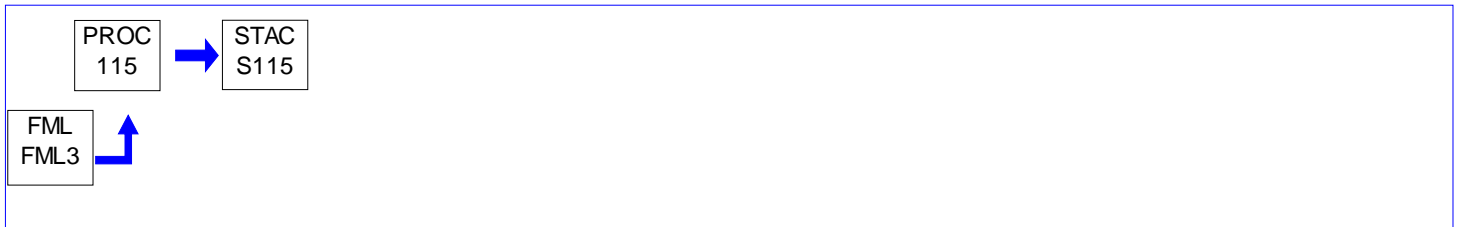
**SECTION D. Source Level Requirements**

Source ID: 115

Source Name: BLDG 6 - DIESEL ICE STANDBY GENERATOR

Source Capacity/Throughput: 166.000 Gal/HR Diesel Fuel

Conditions for this source occur in the following groups: GP ENGINES  
SUBPART IIII

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.****# 001 [25 Pa. Code §129.203]****Stationary internal combustion engines.**

(a) By October 31 of each year, the permittee shall calculate the difference between the actual emissions from the unit during the period from May 1 through September 30, and the allowable emissions for the same period.

(b) The permittee shall calculate allowable emissions by multiplying the cumulative hours of operations for the unit for the period by the horsepower rating of the unit and by 2.3 grams of NO<sub>x</sub> per brake horsepower-hour.

**# 002 [25 Pa. Code §129.204]****Emission accountability.**

(a) If the affected source(s) has NO<sub>x</sub> CEMS, the permittee shall determine actual emissions in accordance with the CEMS data reported to DEP. Any data invalidated under Chapter 139 (relating to sampling and testing) shall be substituted with data calculated using the potential emission rate for the unit or, if approved by DEP in writing, an alternative amount of emissions that is more representative of actual emissions that occurred during the period of invalid data.

**SECTION D. Source Level Requirements**

(b) If the permittee is not required to monitor NO<sub>x</sub> emissions with a CEMS, one of the following shall be used to determine actual emissions of NO<sub>x</sub>:

(1) The 1-year average emission rate calculated from the most recent permit emission limit compliance demonstration test data for NO<sub>x</sub>.

(2) The maximum hourly allowable NO<sub>x</sub> emission rate contained in the permit or the higher of the following:

(i) The highest rate determined by use of the emission factor for the unit class contained in the most up-to-date version of the EPA publication, "AP-42 Compilation of Air Pollution Emission Factors."

(ii) The highest rate determined by use of the emission factor for the unit class contained in the most up-to-date version of EPA's "Factor Information Retrieval (FIRE)" data system.

(3) CEMS data, if the permittee elects to monitor NO<sub>x</sub> emissions with a CEMS. The permittee shall monitor emissions and report the data from the CEMS in accordance with Chapter 139 or Chapter 145 (relating to interstate pollution transport reduction). Any data invalidated under Chapter 139 shall be substituted with data calculated using the potential emission rate for the unit or, if approved by DEP in writing, an alternative amount of emissions that is more representative of actual emissions that occurred during the period of invalid data.

(4) An alternate calculation and recordkeeping procedure based upon emissions testing and correlations with operating parameters. The permittee shall demonstrate that the alternate procedure does not underestimate actual emissions throughout the allowable range of operating conditions. In regard to obtaining DEP's approval for an alternate calculation method and recordkeeping procedure for actual emissions, the permittee may request an adjustment to the allowable emissions calculations set forth in §§ 129.201—129.203. An allowable emission adjustment may not overestimate a unit's allowable emissions and must be based upon the parameters and procedures proposed in the alternate calculation method for actual emissions. The alternate calculation and recordkeeping procedures must be approved by DEP, in writing, prior to implementation.

**# 003 [25 Pa. Code §129.204]****Emission accountability.**

(a) The permittee shall surrender to DEP one CAIR NO<sub>x</sub> allowance and one CAIR NO<sub>x</sub> Ozone Season allowance, as defined in 40 C.F.R. 96.102 and 96.302 (relating to definitions), for each ton of NO<sub>x</sub> by which the combined actual emissions exceed the allowable emissions of the units subject to this section at a facility from May 1 through September 30. The surrendered allowances shall be of current year vintage. For the purpose of determining the amount of allowances to surrender, any remaining fraction of a ton equal to or greater than 0.50 ton is deemed to equal 1 ton and any fraction of a ton less than 0.50 ton is deemed to equal zero tons.

(b) If the combined allowable emissions from units subject to this section at a facility from May 1 through September 30 exceed the combined actual emissions from units subject to this section at the facility during the same period, the permittee may deduct the difference or any portion of the difference from the amount of actual emissions from units subject to this section at the permittee's other facilities.

(c) By November 1 of each year, the permittee shall surrender the required NO<sub>x</sub> allowances to DEP's designated NO<sub>x</sub> allowance tracking system account and provide to DEP, in writing, the following:

(1) The serial number of each NO<sub>x</sub> allowance surrendered.

(2) The calculations used to determine the quantity of NO<sub>x</sub> allowances required to be surrendered.

(d) If the permittee fails to comply with subsection (c), the permittee shall by December 31 surrender three NO<sub>x</sub> allowances of the current or later year vintage for each NO<sub>x</sub> allowance that was required to be surrendered by November 1 of that year.

(e) The surrender of NO<sub>x</sub> allowances under subsection (d) does not affect the liability of the permittee for any fine, penalty or assessment, or an obligation to comply with any other remedy for the same violation, under the CAA or the act.

(1) For purposes of determining the number of days of violation, if a facility has excess emissions for the period May 1 through September 30, each day in that period (153 days) constitutes a day in violation unless the permittee demonstrates



**SECTION D. Source Level Requirements**

that a lesser number of days should be considered.

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

[Note: On July 6, 2011, EPA promulgated the Cross-State Air Pollution Rule (CSAPR) to replace CAIR. The CSAPR provisions of 40 C.F.R. Part 97, Subpart AAAAA (relating to CSAPR NOx Annual Trading Program), replaced the provisions of 40 C.F.R. Part 96, Subpart AA (relating to CAIR NOx Annual Trading Program General Provisions), and remain in effect. On October 26, 2016, EPA promulgated the CSAPR Update to establish the provisions of 40 C.F.R. Part 97, Subpart EEEEE (relating to CSAPR NOx Ozone Season Group 2 Trading Program), to replace the previously-established CAIR NOx Ozone Season Trading Program and CSAPR NOx Ozone Season Group 1 Trading Program for certain states, including Pennsylvania, beginning with the 2017 ozone season. On April 30, 2021, EPA promulgated the Revised CSAPR Update to establish the provisions of 40 CFR Part 97, Subpart GGGGG (relating to CSAPR NOx Ozone Season Group 3 Trading Program), to replace the provisions of 40 CFR Part 97, Subpart EEEEE, for certain states, including Pennsylvania, beginning with the 2021 ozone season (though DEP will accept CSAPR NOx Ozone Season Group 2 allowances of current year vintage from other states, if available). On November 6, 2024, EPA revised 40 C.F.R. Part 97 Subpart GGGGG to include the new CSAPR NOx Ozone Season Expanded Group 2 Allowances. Accordingly, the permittee shall surrender CSAPR NOx Annual allowances and either CSAPR NOx Ozone Season Group 2 allowances or CSAPR NOx Ozone Season Group 3 allowances, as defined in 40 C.F.R. §§ 97.402, 97.802, and 97.1002, respectively, instead of the CAIR NOx allowances and CAIR NOx Ozone Season allowances indicated in 25 Pa. Code § 129.204(c), as the latter are no longer available.]

**VII. ADDITIONAL REQUIREMENTS.**

**# 004 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

Kohler 750 kW, 750REOZMD Generator, Engine output 1207 bhp, 750 kW

**SECTION D. Source Level Requirements**

Source ID: 116

Source Name: BLDG 4 – DIESEL ICE STANDBY GENERATOR – 200 KW

Source Capacity/Throughput:

14.900 Gal/HR

Diesel Fuel

Conditions for this source occur in the following groups: ICE NOX LESS 6.6 TONS  
SUBPART IIII

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

No additional work practice requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

**VII. ADDITIONAL REQUIREMENTS.**

# 001 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

CAT 200 kW, D200GC Generator, Engine output 315 bhp, 200 kW

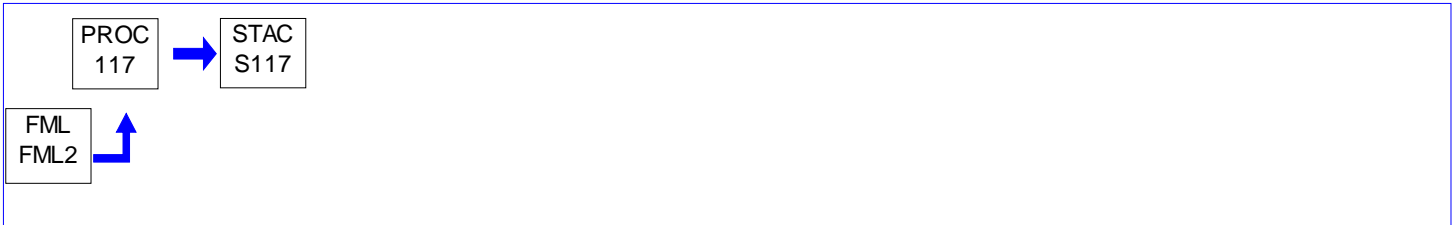
**SECTION D. Source Level Requirements**

Source ID: 117

Source Name: KOHLER NG ICE STANDBY GENERATOR – 228 KW

Source Capacity/Throughput: 1,499.000 CF/HR Natural Gas

Conditions for this source occur in the following groups: ICE NOX LESS 6.6 TONS

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

No additional work practice requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

**VII. ADDITIONAL REQUIREMENTS.**

No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

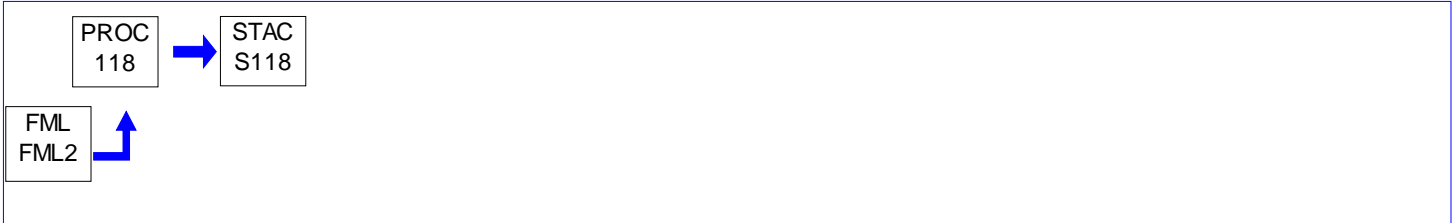
**SECTION D. Source Level Requirements**

Source ID: 118

Source Name: CUMMINS NG ICE STANDBY GENERATOR – 325 KW

Source Capacity/Throughput: 1,483.000 CF/HR Natural Gas

Conditions for this source occur in the following groups: ICE NOX LESS 6.6 TONS

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

No additional work practice requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

**VII. ADDITIONAL REQUIREMENTS.**

No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

**SECTION D. Source Level Requirements**

Source ID: 119

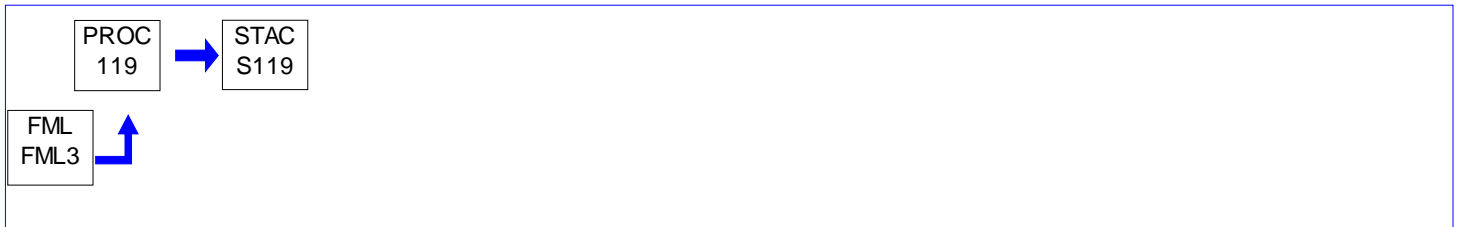
Source Name: BLDG 4 – DIESEL ICE STANDBY GENERATOR – 100 KW

Source Capacity/Throughput:

7.400 Gal/HR

Diesel Fuel

Conditions for this source occur in the following groups: ICE NOX LESS 6.6 TONS  
SUBPART IIII

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

No additional work practice requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements) and/or Section E (Source Group Restrictions).

**VII. ADDITIONAL REQUIREMENTS.**

# 001 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

CAT 100 kW, D100GC Generator, Engine output 134 bhp, 100 kW

**SECTION E. Source Group Restrictions.**

Group Name: GP ENGINES

Group Description:

Sources included in this group

ID	Name
103	BLDG 2 - DIESEL ICE STANDBY GENERATOR
104	BLDG 3 - DIESEL ICE STANDBY GENERATOR
105	BLDG 4_5 - DIESEL ICE STANDBY GENERATOR
106	BLDG 9 - DIESEL ICE STANDBY GENERATOR
108	BLDG 2 (2022) - DIESEL ICE STANDBY GENERATOR
113	BLDG 14 - DIESEL ICE STANDBY GENERATOR
115	BLDG 6 - DIESEL ICE STANDBY GENERATOR

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

Visible emissions from diesel engine(s) stacks shall not exceed the following limitations:

- (a) Equal to or greater than 10% for a period or periods aggregating more than three (3) minutes in any one (1) hour; and
- (b) Equal to or greater than 30% at any time.

The emission limitations stated shall apply at all times except during periods of start-up and shut-down, provided, however, that the duration of start-up and shut-down do not exceed one hour per occurrence.

**# 002 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4207]****Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What fuel requirements must I meet if I am an owner or operator of a stationary CI internal combustion engine subject to**

Beginning October 1, 2010, owners and operators of stationary CI ICE subject to this subpart with a displacement of less than 30 liters per cylinder that use diesel fuel must use diesel fuel that meets the requirements of 40 C.F.R. § 1090.305 for nonroad diesel fuel, except that any existing diesel fuel purchased (or otherwise obtained) prior to October 1, 2010, may be used until depleted.

40 C.F.R. §1090.305 ULSD standards

- (a) Overview. Except as specified in 40 C.F.R. § 1090.300(a), diesel fuel must meet the ULSD per-gallon standards of this section.
- (b) Sulfur standard. Maximum sulfur content of 15 ppm.
- (c) Cetane index or aromatic content. Diesel fuel must meet one of the following standards:
  - (1) Minimum cetane index of 40.
  - (2) Maximum aromatic content of 35 volume percent

**II. TESTING REQUIREMENTS.**

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

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

The permittee shall monitor the following parameters, on a monthly basis:

- (a) The number of hours that each engine is operated using non-resettable hour meter; and
- (b) The amount of fuel used in each engine.

**SECTION E. Source Group Restrictions.****IV. RECORDKEEPING REQUIREMENTS.****# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall maintain records, on a monthly and 12-month rolling basis, of the following:

- (a) The number of hours that each engine is operated using non-resettable hour meter; and
- (b) The amount of fuel used in each engine.

**V. REPORTING REQUIREMENTS.**

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

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

Diesel-fired internal combustion engine with an engine rating greater than 100 brake horsepower, the engine shall, at a minimum, comply with the following emission standards:

- (a) 1.0 g/bhp-hr of Total Hydrocarbon (THC);
- (b) 6.9 g/hp-hr of NO<sub>x</sub>;
- (c) 2.0 gms/bhp-hr of CO; and
- (d) 0.4 gms/bhp-hr of PM.

The emission limitations stated shall apply at all times except during periods of start-up and shut-down, provided, however, that the duration of start-up and shut-down do not exceed one hour per occurrence.

**VII. ADDITIONAL REQUIREMENTS.**

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

**SECTION E. Source Group Restrictions.**

Group Name: ICE NOX LESS 6.6 TONS

Group Description:

Sources included in this group

ID	Name
101	EXEMPTED COMBUSTION ENGINES (JJJJ)
116	BLDG 4 – DIESEL ICE STANDBY GENERATOR – 200 KW
117	KOHLER NG ICE STANDBY GENERATOR – 228 KW
118	CUMMINS NG ICE STANDBY GENERATOR – 325 KW
119	BLDG 4 – DIESEL ICE STANDBY GENERATOR – 100 KW

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

**# 001 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

The permittee shall limit the aggregate NOx emissions from all exempt engines on site to less than 100 lbs/hr, 1000 lbs/day, 2.75 tons per ozone season and 6.6 tons per year on a 12-month rolling basis.

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

**# 002 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

The permittee shall maintain records of the aggregate NOx emissions from all exempt engines on site including pounds per hour, pounds per day, ozone season (i.e., the period from May 1 through September 30 of each year) sums, and 12-month rolling sums to demonstrate compliance with the NOx emission limits applicable to this source.

**# 003 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

The permittee shall record run hours on monthly and 12-month rolling sum basis,

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.**

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



**SECTION E. Source Group Restrictions.**

Group Name: SUBPART IIII

Group Description:

Sources included in this group

ID	Name
103	BLDG 2 - DIESEL ICE STANDBY GENERATOR
104	BLDG 3 - DIESEL ICE STANDBY GENERATOR
105	BLDG 4_5 - DIESEL ICE STANDBY GENERATOR
106	BLDG 9 - DIESEL ICE STANDBY GENERATOR
108	BLDG 2 (2022) - DIESEL ICE STANDBY GENERATOR
113	BLDG 14 - DIESEL ICE STANDBY GENERATOR
115	BLDG 6 - DIESEL ICE STANDBY GENERATOR
116	BLDG 4 – DIESEL ICE STANDBY GENERATOR – 200 KW
119	BLDG 4 – DIESEL ICE STANDBY GENERATOR – 100 KW

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4207]****Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What fuel requirements must I meet if I am an owner or operator of a stationary CI internal combustion engine subject to**

Beginning October 1, 2010, owners and operators of stationary CI ICE subject to this subpart with a displacement of less than 30 liters per cylinder that use diesel fuel must use diesel fuel that meets the requirements of 40 C.F.R. § 1090.305 for nonroad diesel fuel, except that any existing diesel fuel purchased (or otherwise obtained) prior to October 1, 2010, may be used until depleted.

40 C.F.R. §1090.305 ULSD standards

(a) Overview. Except as specified in 40 C.F.R. § 1090.300(a), diesel fuel must meet the ULSD per-gallon standards of this section.

(b) Sulfur standard. Maximum sulfur content of 15 ppm.

(c) Cetane index or aromatic content. Diesel fuel must meet one of the following standards:

(1) Minimum cetane index of 40.

(2) Maximum aromatic content of 35 volume percent

**II. TESTING REQUIREMENTS.**

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

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

The permittee shall monitor the following parameters, on a monthly basis:

(a) The number of hours that each engine is operated using non-resettable hour meter; and

(b) The amount of fuel used in each engine.

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

The permittee shall maintain records, on a monthly and 12-month rolling basis, of the following:

(a) The number of hours that each engine is operated using non-resettable hour meter; and

(b) The amount of fuel used in each engine.

**SECTION E. Source Group Restrictions.****V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.****# 004 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4205]****Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What emission standards must I meet for emergency engines if I am an owner or operator of a stationary CI internal combustion engine?**

Owners and operators of 2007 model year and later emergency stationary CI ICE with a displacement of less than 30 liters per cylinder that are not fire pump engines must comply with the emission standards for new nonroad CI engines in 40 C.F.R. § 60.4202, for all pollutants, for the same model year and maximum engine power for their 2007 model year and later emergency stationary CI ICE.

NMHC+NO<sub>x</sub> - 4.7 g/kW-hr

CO - 5.0 g/kW-hr

PM - 0.40 g/kW-hr

**# 005 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4209]****Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What are the monitoring requirements if I am an owner or operator of a stationary CI internal combustion engine?**

The permittee shall install a non-resettable hour meter.

**# 006 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4211]****Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What are my compliance requirements if I am an owner or operator of a stationary CI internal combustion engine?**

If you are an owner or operator and must comply with the emission standards specified in 40 C.F.R. Part 60, Subpart, you must do all of the following, except as permitted under paragraph (4) of this condition:

- (1) Operate and maintain the stationary CI internal combustion engine and control device according to the manufacturer's emission-related written instructions;
- (2) Change only those emission-related settings that are permitted by the manufacturer; and
- (3) Meet the requirements of 40 C.F.R. Part 1068, as they apply to you.
- (4) If you do not install, configure, operate, and maintain your engine and control device according to the manufacturer's emission-related written instructions, or you change emission-related settings in a way that is not permitted by the manufacturer, you must demonstrate compliance as follows:

(a) If you are an owner or operator of a stationary CI internal combustion engine greater than or equal to 100 HP and less than or equal to 500 HP, you must keep a maintenance plan and records of conducted maintenance and must, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions. In addition, you must conduct an initial performance test to demonstrate compliance with the applicable emission standards within 1 year of startup, or within 1 year after an engine and control device is no longer installed, configured, operated, and maintained in accordance with the manufacturer's emission-related written instructions, or within 1 year after you change emission-related settings in a way that is not permitted by the manufacturer.

**VII. ADDITIONAL REQUIREMENTS.****# 007 [40 CFR Part 63 NESHA PS for Source Categories §40 CFR 63.6590]****Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What parts of my plant does this subpart cover?**

In accordance with 40 C.F.R. § 63.6590(c)(1), a new stationary reciprocating internal combustion engine (RICE), defined as a stationary RICE that commenced construction on or after June 12, 2006, located at an area source meets the requirements of 40 C.F.R. Part 63, Subpart ZZZZ by complying with 40 C.F.R. Part 60, Subpart IIII.

**SECTION F. Alternative Operation Requirements.**

No Alternative Operations exist for this State Only facility.

**SECTION G. Emission Restriction Summary.**

Source Id	Source Description														
101	EXEMPTED COMBUSTION ENGINES (JJJJ)														
<table><tr><th>Emission Limit</th><th>Pollutant</th></tr><tr><td>2.750 Tons/OZNESEAS</td><td>NOX</td></tr><tr><td>6.600 Tons</td><td>NOX</td></tr><tr><td>100.000 Lbs/Hr</td><td>NOX</td></tr><tr><td>1,000.000 Lbs/Day</td><td>NOX</td></tr><tr><td>500.000 PPMV</td><td>SOX</td></tr><tr><td>0.040 gr/DRY FT3</td><td>TSP</td></tr></table>		Emission Limit	Pollutant	2.750 Tons/OZNESEAS	NOX	6.600 Tons	NOX	100.000 Lbs/Hr	NOX	1,000.000 Lbs/Day	NOX	500.000 PPMV	SOX	0.040 gr/DRY FT3	TSP
Emission Limit	Pollutant														
2.750 Tons/OZNESEAS	NOX														
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1,000.000 Lbs/Day	NOX														
500.000 PPMV	SOX														
0.040 gr/DRY FT3	TSP														
116	BLDG 4 – DIESEL ICE STANDBY GENERATOR – 200 KW														
<table><tr><th>Emission Limit</th><th>Pollutant</th></tr><tr><td>2.750 Tons/OZNESEAS</td><td>NOX</td></tr><tr><td>6.600 Tons</td><td>NOX</td></tr><tr><td>100.000 Lbs/Hr</td><td>NOX</td></tr><tr><td>1,000.000 Lbs/Day</td><td>NOX</td></tr></table>		Emission Limit	Pollutant	2.750 Tons/OZNESEAS	NOX	6.600 Tons	NOX	100.000 Lbs/Hr	NOX	1,000.000 Lbs/Day	NOX				
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2.750 Tons/OZNESEAS	NOX														
6.600 Tons	NOX														
100.000 Lbs/Hr	NOX														
1,000.000 Lbs/Day	NOX														
117	KOHLER NG ICE STANDBY GENERATOR – 228 KW														
<table><tr><th>Emission Limit</th><th>Pollutant</th></tr><tr><td>2.750 Tons/OZNESEAS</td><td>NOX</td></tr><tr><td>6.600 Tons</td><td>NOX</td></tr><tr><td>100.000 Lbs/Hr</td><td>NOX</td></tr><tr><td>1,000.000 Lbs/Day</td><td>NOX</td></tr></table>		Emission Limit	Pollutant	2.750 Tons/OZNESEAS	NOX	6.600 Tons	NOX	100.000 Lbs/Hr	NOX	1,000.000 Lbs/Day	NOX				
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2.750 Tons/OZNESEAS	NOX														
6.600 Tons	NOX														
100.000 Lbs/Hr	NOX														
1,000.000 Lbs/Day	NOX														
118	CUMMINS NG ICE STANDBY GENERATOR – 325 KW														
<table><tr><th>Emission Limit</th><th>Pollutant</th></tr><tr><td>2.750 Tons/OZNESEAS</td><td>NOX</td></tr><tr><td>6.600 Tons</td><td>NOX</td></tr><tr><td>100.000 Lbs/Hr</td><td>NOX</td></tr><tr><td>1,000.000 Lbs/Day</td><td>NOX</td></tr></table>		Emission Limit	Pollutant	2.750 Tons/OZNESEAS	NOX	6.600 Tons	NOX	100.000 Lbs/Hr	NOX	1,000.000 Lbs/Day	NOX				
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2.750 Tons/OZNESEAS	NOX														
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119	BLDG 4 – DIESEL ICE STANDBY GENERATOR – 100 KW														
<table><tr><th>Emission Limit</th><th>Pollutant</th></tr><tr><td>2.750 Tons/OZNESEAS</td><td>NOX</td></tr><tr><td>6.600 Tons</td><td>NOX</td></tr><tr><td>100.000 Lbs/Hr</td><td>NOX</td></tr><tr><td>1,000.000 Lbs/Day</td><td>NOX</td></tr></table>		Emission Limit	Pollutant	2.750 Tons/OZNESEAS	NOX	6.600 Tons	NOX	100.000 Lbs/Hr	NOX	1,000.000 Lbs/Day	NOX				
Emission Limit	Pollutant														
2.750 Tons/OZNESEAS	NOX														
6.600 Tons	NOX														
100.000 Lbs/Hr	NOX														
1,000.000 Lbs/Day	NOX														

**Site Emission Restriction Summary**

Emission Limit	Pollutant
24.990 Tons/Yr	NOX



**SECTION G. Emission Restriction Summary.**

**SECTION H. Miscellaneous.**

(A) Certain terms and conditions of this permit are based previously issued operating permit number OP-46-0050.

(B) DEP has determined that emissions from the following sources, excluding those indicated as site level requirements in Section C of this permit, are of insignificant size and do not require additional limitations, monitoring, or recordkeeping.

- (1) BLDG 9C : < 2.5 MMBTU/hr (25 Pa. Code 127.14a (2))
- (2) BLDG 11 Hall Area Heater: < 2.5 MMBTU/hr (25 Pa. Code 127.14a (2))
- (3) BLDG 11 Hot Water Heater: < 2.5 MMBTU/hr (25 Pa. Code 127.14a (2))
- (4) BLDG 70 RM 106 Heater: < 2.5 MMBTU/hr (25 Pa. Code 127.14a (2))
- (5) BLDG 70 Headhouse Furnace: < 2.5 MMBTU/hr (25 Pa. Code 127.14a (2))
- (6) BLDG 71 Heater: < 2.5 MMBTU/hr (25 Pa. Code 127.14a (2))
- (7) BLDG 72 Office Area: < 2.5 MMBTU/hr (25 Pa. Code 127.14a (2))
- (8) BLDG 72 Lab Boiler: < 2.5 MMBTU/hr (25 Pa. Code 127.14a (2))
- (9) BLDG 74 Heater: < 2.5 MMBTU/hr (25 Pa. Code 127.14a (2))
- (10) BLDG 75 Heater: < 2.5 MMBTU/hr (25 Pa. Code 127.14a (2))
- (11) Powerhouse Emergency Generator: 325 kw - Natural Gas
- (12) BLDG 3 (Building number change from 9 in 2018 with new owner) Emergency Generator: 170 kw - Natural Gas
- (13) BLDG 74 Spray Dryer: <0.2 tpy PM 10
- (14) BLDG 11 Chemical Dispensing:<0.3 tpy VOC
- (15) Lab Hoods (634): 25 Pa. Code 127.14 (Trivial Actives -39 - Bench scale laboratory equipment used for kinetic studies, mass/energy transport studies, chemical synthesis and physical or chemical analysis.)
- (16) BLDG 4C Boiler for Steam Generator: < 2.5 MMBTU/hr (25 Pa. Code 127.14a (2))
- (17) BLDG 4C Boiler for Humidification:< 2.5 MMBTU/hr (25 Pa. Code 127.14a (2))
- (18) BLDG 4C Spray Dryer: <0.1 tpy PM 10
- (19) BLDG 8A Coater Heater: < 2.5 MMBTU/hr (25 Pa. Code 127.14a (2))

(C) This permit has been amended (Administrative Amendment Application received 11/30/2005) to address the change in operator from the previous operator, Rohm and Haas Company (APS 344503) to the current operator, Rohm and Haas Chemicals LLC (APS 572844, AUTH ID 618268).

(D) This permit is being renewed under APS 345503, AUTH ID 743067. The following changes are being made to the insignificant sources listed in item (B) of this section.

- (1) BLDG 9C: < 2.5 MMBtu/hr (25 Pa. Code 127.14a (2)), has been taken out of service.
- (2) BLDG 11 Hot Water Heater: < 2.5 MMBtu/hr (25 Pa. Code 127.14a (2)), has been taken out of service.
- (3) Lab Hoods (634): 25 Pa. Code 127.14 (Trivial Actives -39 - Bench scale laboratory equipment used for kinetic studies, mass/energy transport studies, chemical synthesis and physical or chemical analysis.), has been revised to 660 lab hoods.
- (4) The following exempted sources are to be added to the list of insignificant sources:
  - (a) BLDG 11 Dock Area Heater: < 2.5 MMBtu/hr (25 Pa. Code 127.14a (2))
  - (b) BLDG 71B Spray Room: RFD 46-A01-2396 (25 Pa. Code 127.14a (8), 25)
  - (c) Dust Collectors for PVC Particulates: Particulate Control Technology.
    - (1) PMG Laboratory: Donaldson Torit DownFlo Oval Dust Collector, DFO 2-8
    - (2) BLDG 4C Process Hall: Donaldson Torit DownFlo Oval Dust Collector, DFO 3-60
    - (3) BLDG 4C Spray Dryer Feeder: Donaldson Torit DownFlo Oval Dust Collector, DFO 2-8
  - (d) Spray Hoods
    - (1) BLDG 2 Leather Spray Hood
    - (2) BLDG 2 Paint Spray Hood
    - (3) Maintenance Shop Spray Hood

(E) This permit is being renewed under APS No. 345503; AUTH No. 993152.

(F) Section C, Condition #013, Tiered Monitoring Requirements for malodors, visible emissions, and fugitive emissions. Rohm and Haas has been previously approved for reduced monitoring frequency to a weekly basis. The facility shall continue to perform monitoring on a weekly basis unless further advised by DEP.

(G) An Administrative Amendment has been processed for a change of ownership and name change from Rohm & Haas Co. to 727 Norristown Rd, LP. APS No. 937637; AUTH No. 1176887.

(H) November 2019. APS: 937637, Auth: 1240840. Permit renewal.

**SECTION H. Miscellaneous.**

The following changes have taken place at this facility.

- Sources 033, 034, and 035 have been removed from the facility.
- Source 037 (4 gas-fired boilers), rated at 4 MMBtu/hr each have been installed.
- Source 101 (natural gas - fired emergency generator set) has been installed. This was a previously exempted source.

(I) December 2025. APS: 937637, Auth: 1484813. Permit renewal.

1. Revised/updated insignificant sources

- (1) Lab Hoods (660 labs, conservative estimate)
- (2) BLDG 4C Boiler for Steam Generator: < 2.5 MMBTU/hr
- (3) BLDG 4C Boiler for Humidification:< 2.5 MMBTU/hr
- (4) BLDG 4C Spray Dryer: <0.1 tpy PM 10
- (5) BLDG 8A Coater Heater: < 2.5 MMBTU/hr
- (6) BLDG 4C Process Hall: Donaldson Torit DownFlo Oval Dust Collector, DFO 3-60 (PVC Particulates)
- (7) BLDG 4C Spray Dryer Feeder: Donaldson Torit DownFlo Oval Dust Collector, DFO 2-8 (PVC Particulates)
- (8) BLDG 2 Leather Spray Hood
- (9) BLDG 2 Paint Spray Hood
- (10) Maintenance Shop Spray Hood
- (11) 35 kW (54 bhp) natural gas-powered engine/emergency generator
- (12) BLDG 14 – 100,000 Btu/hr natural gas-fired Hot water heater (model number BTXL-100 300, Serial number 2344136433190, build date 11/02/2023)



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

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