



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

PLAN APPROVAL

Issue Date: April 20, 2026

Effective Date: April 20, 2026

Expiration Date: October 20, 2027

In accordance with the provisions of the Air Pollution Control Act, the Act of January 8, 1960, P.L. 2119, as amended, and 25 Pa. Code Chapter 127, the Owner, [and Operator if noted] (hereinafter referred to as permittee) identified below is authorized by the Department of Environmental Protection (Department) to construct, install, modify or reactivate the air emission source(s) more fully described in the site inventory list. This Facility is subject to all terms and conditions specified in this plan approval. Nothing in this plan approval relieves the permittee from its obligations to comply with all applicable Federal, State and Local laws and regulations.

The regulatory or statutory authority for each plan approval condition is set forth in brackets. All terms and conditions in this permit are federally enforceable unless otherwise designated as "State-Only" requirements.

Plan Approval No. 46-0060B

Federal Tax Id - Plant Code: 23-6003113-15

Owner Information

Name: NORRISTOWN STATE HOSP
Mailing Address: 1001 E STERIGERE ST
NORRISTOWN, PA 19401-5300

Plant Information

Plant: PADHS/NORRISTOWN STATE HOSP
Location: 46 Montgomery County 46820 West Norriton Township
SIC Code: 8063 Services - Psychiatric Hospitals

Responsible Official

Name: WILLIAM J BOGARI
Title: COO
Phone: (610) 313 - 1019 Email: wbogari@pa.gov

Plan Approval Contact Person

Name: WILLIAM J BOGARI
Title: COO
Phone: (610) 313 - 1019 Email: wbogari@pa.gov

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



Plan Approval Description

(a) This plan approval is for the installation and temporary operation of three new emergency generator sets (Source ID 103) within a new central utility plant (CUP) adjacent to the new psychiatric treatment center at the facility. Each emergency generator set shall be rated at 1,500 ekW power output (4,500 ekW power output total) and equipped with a diesel fuel-fired, reciprocating internal combustion engine rated at 2,328 bhp power output (6,984 bhp power output total).

(b) The project also includes the installation and operation of seven natural gas- (primary fuel) and propane- (auxiliary fuel) fired boilers (Source ID 046) within the CUP. Four of the boilers shall be rated at 6.0 mmBtu/hr heat input and the other three boilers shall be rated at 3.0 mmBtu/hr heat input (33.0 mmBtu/hr heat input total). [Note: While exempt from plan approval requirements pursuant to 25 Pa. Code § 127.14(a)(3) and (8) (under item no. 39 of the exemption list (Document No. 275-2101-003) dated July 1, 2021) based on their rated capacities and types of fuel consumed, the boilers are included as sources in Section D, of this plan approval, because the permittee has proposed to comply with certain restrictions for them to help ensure that the potential to emit (PTE) nitrogen oxides (NOx) for the facility will meet the NOx emission rate restriction for the facility of less than 25 tons/yr (as a 12-month rolling sum, calculated monthly) indicated in Condition # 006, Section C, of Title V Operating Permit (TVOP) No. 46-00060. These restrictions are specified in Condition #s 002 and 004, Section D (under Source ID 046), of this plan approval.]



SECTION A. Table of Contents

Section A. Facility/Source Identification

Table of Contents
Plan Approval Inventory List

Section B. General Plan Approval Requirements

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

Section C. Site Level Plan Approval Requirements

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

Section D. Source Level Plan Approval Requirements

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

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

Section E. Source Group Restrictions

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

Section F. Alternative Operating Scenario(s)

- F-I: Restrictions
- F-II: Testing Requirements



SECTION A. Table of Contents

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

Section G. Emission Restriction Summary

Section H. Miscellaneous

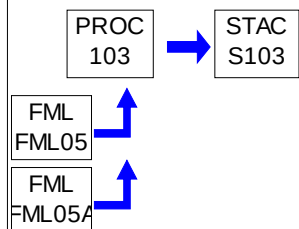
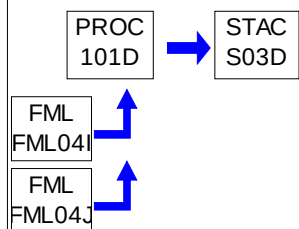
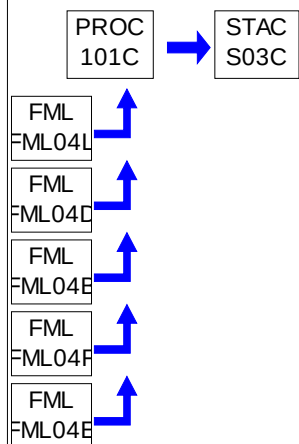
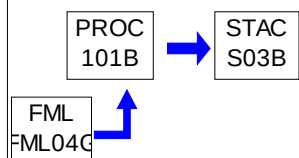
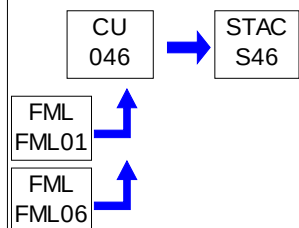
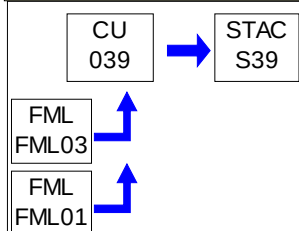
**SECTION A. Plan Approval Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
039	CLEAVER-BROOKS BOILERS (3)	97.968 MMBTU/HR	
		94.820 MCF/HR	Natural Gas
		710.360 Gal/HR	#2 Oil
046	PLAN APPROVAL-EXEMPT BOILERS (7)	33.000 MMBTU/HR	
		32.350 MCF/HR	Natural Gas
		0.361 Th Gal/HR	Propane
101B	EMERGENCY GENERATOR SET WITH PRESUMPTIVE RACT ENGINE	1.260 Gal/HR	Diesel Fuel
101C	EMERGENCY GENERATOR SETS WITH PLAN APPR-EXEMPT ENGINES (5)	99.900 Gal/HR	Diesel Fuel
101D	TRAILER-MOUNTED EMER GENSETS W/ PLAN APPR-EXEMPT ENGINES (2)	37.100 Gal/HR	Diesel Fuel
103	MTU EMERGENCY GENERATOR SETS WITH ENGINES (3)	333.000 Gal/HR	Diesel Fuel
FML01	NATURAL GAS PIPELINE		
FML03	20,000-GAL NO. 2 FUEL OIL ABOVEGROUND STORAGE TKS (ASTS) (3)		
FML04B	767-GAL EMERGENCY GENERATOR SET SUB-BASE DIESEL FUEL TANK		
FML04D	350-GAL EMERGENCY GENERATOR SET SUB-BASE DIESEL FUEL TANK		
FML04E	472-GAL EMERGENCY GENERATOR SET SUB-BASE DIESEL FUEL TANK		
FML04F	525-GAL EMERGENCY GENERATOR SET SUB-BASE DIESEL FUEL TANK		
FML04G	15-GAL EMERGENCY GENERATOR SUB-BASE DIESEL FUEL TANKS (7)		
FML04I	546-GAL EMERGENCY GENERATOR SET SUB-BASE DIESEL FUEL TANK		
FML04J	340-GAL EMERGENCY GENERATOR SET SUB-BASE DIESEL FUEL TANK		
FML04L	1,163-GAL EMERGENCY GENERATOR SET SUB-BASE DIESEL FUEL TANK		
FML05	15,000-GAL DIESEL FUEL UNDERGROUND STORAGE TANKS (2)		
FML05A	500-GAL EMERGENCY GENERATOR SET SUB-BASE DIESEL FUEL TKS (3)		
FML06	18,000-GAL PROPANE ABOVEGROUND STORAGE TANK		
S03B	EMERGENCY GENERATOR SET WITH PRESUMPTIVE RACT ENGINE STACK		
S03C	EMERGENCY GENERATOR SETS W/ PLAN APPR-EXEMPT ENGINE STKS (5)		
S03D	TRAILER-MOUNTED EMER GENSETS W/ PLAN APPR-EXEMPT ENG STKS(2)		
S103	MTU EMERGENCY GENERATOR SETS WITH ENGINE STACKS (3)		
S39	CLEAVER-BROOKS BOILERS STACKS (3)		
S46	PLAN APPROVAL-EXEMPT BOILERS STACKS (7)		

PERMIT MAPS



PERMIT MAPS



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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General Plan Approval Requirements**

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

#006 [25 Pa. Code § 127.12b]**Plan Approval Terms and Conditions**

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

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

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

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

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

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

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

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

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

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

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

(a) Pursuant to 35 P.S. § 4008, no person shall hinder, obstruct, prevent or interfere with the Department or its personnel in the performance of any duty authorized under the Air Pollution Control Act.

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

**SECTION B. General Plan Approval Requirements**

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

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

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

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

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

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

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

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

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

#012 [25 Pa. Code § 127.12(a)(9) & 40 CFR Part 68]**Risk Management**

- (a) If required by Section 112(r) of the Clean Air Act, the permittee shall develop and implement an accidental release program consistent with requirements of the Clean Air Act, 40 CFR Part 68 (relating to chemical accident prevention provisions) and the Federal Chemical Safety Information, Site Security and Fuels Regulatory Relief Act (P.L. 106-40).
- (b) The permittee shall prepare and implement a Risk Management Plan (RMP) which meets the requirements of Section 112(r) of the Clean Air Act, 40 CFR Part 68 and the Federal Chemical Safety Information, Site Security and Fuels Regulatory Relief Act when a regulated substance listed in 40 CFR § 68.130 is present in a process in more than the listed threshold quantity at the facility. The permittee shall submit the RMP to the Environmental Protection Agency according to the following schedule and requirements:
 - (1) The permittee shall submit the first RMP to a central point specified by the Environmental Protection Agency no later than the latest of the following:

**SECTION B. General Plan Approval Requirements**

- (i) Three years after the date on which a regulated substance is first listed under § 68.130; or,
- (ii) The date on which a regulated substance is first present above a threshold quantity in a process.

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

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

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

#013 [25 Pa. Code § 121.7]**Prohibition of Air Pollution**

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

#014 [25 Pa. Code § 127.25]**Compliance Requirement**

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



SECTION C. Site Level Plan Approval Requirements

I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The permittee shall comply with all existing requirements specified in Title V Operating Permit No. 46-00060, except as follows:

(a) Condition # 004, Section D (under Source ID 101B), of Title V Operating Permit No. 46-00060 shall be superseded and replaced by Condition # 001, Section D (under Source ID 101B), of this plan approval.

(b) Condition # 001, Section D (under Source ID 101C), of Title V Operating Permit No. 46-00060 shall be superseded and replaced by Condition # 001, Section D (under Source ID 101C), of this plan approval.

(c) Condition # 004, Section D (under Source ID 101C), of Title V Operating Permit No. 46-00060 shall be superseded and replaced by Condition # 002, Section D (under Source ID 101C), of this plan approval.

(d) Condition # 015, Section D (under Source ID 101C), of Title V Operating Permit No. 46-00060 shall be superseded and replaced by Condition # 003, Section D (under Source ID 101C), of this plan approval.

(e) Condition #s 001–002, Section D (under Source ID 101D), of Title V Operating Permit No. 46-00060 shall be superseded and replaced by Condition #s 001–002, Section D (under Source ID 101D), of this plan approval, respectively.

(f) Condition # 005, Section D (under Source ID 101D), of Title V Operating Permit No. 46-00060 shall be superseded and replaced by Condition # 003, Section D (under Source ID 101D), of this plan approval.

(g) Condition # 017, Section D (under Source ID 101D), of Title V Operating Permit No. 46-00060 shall be superseded and replaced by Condition # 004, Section D (under Source ID 101D), of this plan approval.

VIII. COMPLIANCE CERTIFICATION.



SECTION C. Site Level Plan Approval Requirements

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

IX. COMPLIANCE SCHEDULE.

No compliance milestones exist.

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

Source ID: 039

Source Name: CLEAVER-BROOKS BOILERS (3)

Source Capacity/Throughput:

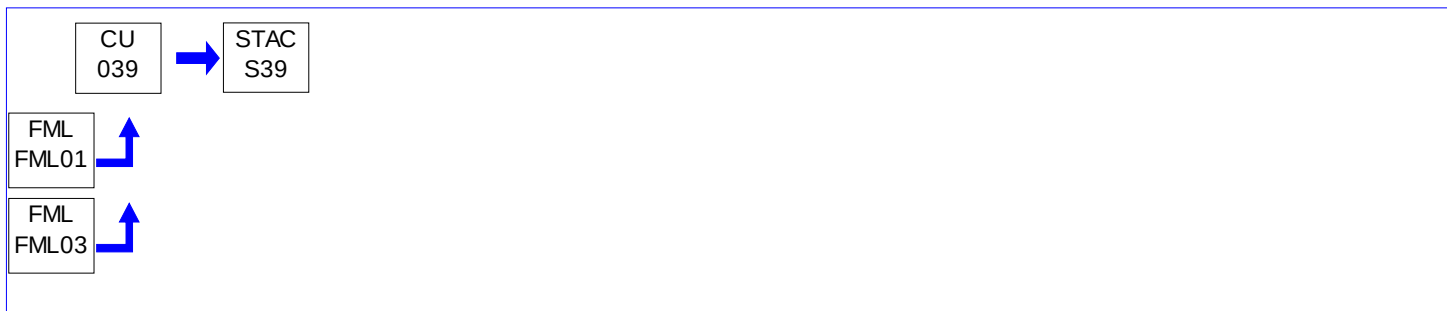
97.968 MMBTU/HR

94.820 MCF/HR

710.360 Gal/HR

Natural Gas

#2 Oil

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

001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

The permittee shall ensure that the total amounts of natural gas and No. 2 fuel oil consumed by these boilers do not exceed either of the following:

Fuel	Amount Consumed
Natural Gas	205.438 mmcf/yr ¹
No. 2 Fuel Oil	532.77 mgals/yr ¹

¹ As a 12-month rolling sum, calculated monthly.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

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

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

VII. ADDITIONAL REQUIREMENTS.

002 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

This source grouping consists of three natural gas- (primary fuel) and No. 2 fuel oil- (auxiliary fuel) fired boilers, model no. 4WG 200-805-150-ST, manufactured by Cleaver-Brooks, Inc. Each boiler is rated at 32.656 mmBtu/hr heat input (800 boiler hp), and is equipped with a low-NOx (nitrogen oxides) burner, model no. LND420P, manufactured by Industrial Combustion, with internal flue gas recirculation (FGR) system.

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

Source ID: 046

Source Name: PLAN APPROVAL-EXEMPT BOILERS (7)

Source Capacity/Throughput:

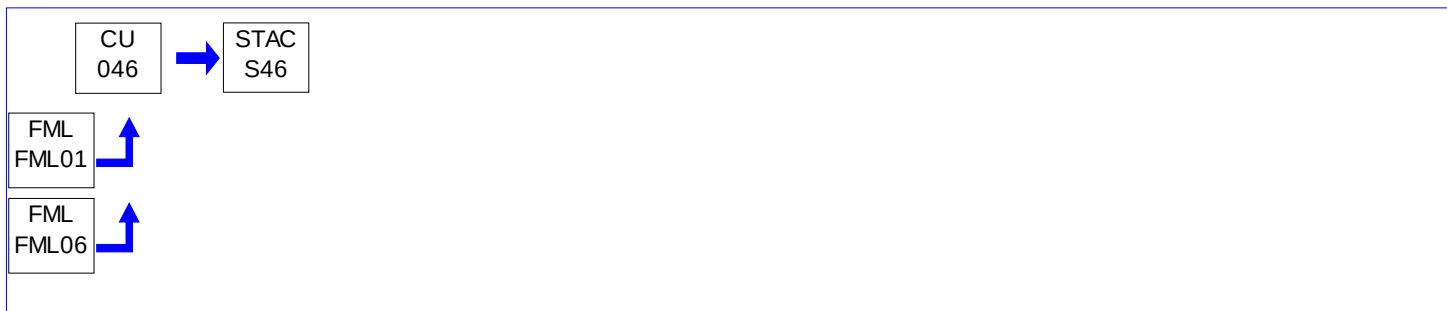
33.000 MMBTU/HR

32.350 MCF/HR

0.361 Th Gal/HR

Natural Gas

Propane

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

[Additional authority for this plan approval condition is derived from 25 Pa. Code §§ 123.11(a)(1) and 127.512(h).]

The permittee shall ensure that emission into the outdoor atmosphere of particulate matter (PM) from each of these boilers occurs in such a manner that the rate of the emission does not exceed 0.4 lbs/mmBtu heat input.

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

The permittee shall ensure that the emission into the outdoor atmosphere of the following pollutants from these boilers, while consuming natural gas, occurs in such a manner that the concentration of the pollutants in the exhaust gas does not exceed the following:

Rated Heat Input (mmBtu/hr)	Per-Boiler Emissions (ppmv)	
	CO	NOx
6.0	100	9
3.0	200	10

ppmv = parts per million, by volume, dry basis, corrected to 3% oxygen (O₂).

CO = Carbon monoxide.

Fuel Restriction(s).**# 003 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The permittee shall ensure that natural gas and propane are the only fuels consumed by these boilers.

[Compliance with this streamlined plan approval condition assures compliance with 25 Pa. Code § 123.22(e)(1).]

Throughput Restriction(s).**# 004 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The permittee shall ensure that the total amount of propane consumed by these boilers does not exceed 180.33 mgals/yr (as a 12-month rolling sum, calculated monthly).

**SECTION D. Source Level Plan Approval Requirements****II. TESTING REQUIREMENTS.**

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

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

The permittee shall monitor the following operating parameters for these boilers on a monthly basis:

- (a) The hours of operation.
- (b) The type(s) and amount(s) of fuel consumed.

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

The permittee shall maintain records of the following operating parameters for these boilers on a monthly basis:

- (a) The hours of operation.
- (b) The type(s) and amount(s) of fuel consumed.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

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

This source grouping consists of seven natural gas- (primary fuel) and propane- (auxiliary fuel) fired boilers, each equipped with a low-NOx burner, as follows:

Manufacturer	Model Type/No.	Rated Heat Input (mmBtu/hr)	Quantity
AERCO International, Inc.	Benchmark 6000	6.0	4
Thermal Solutions, LLC	AMPW 3000	3.0	3
		-----	----
		33.0	7

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

Source ID: 101B

Source Name: EMERGENCY GENERATOR SET WITH PRESUMPTIVE RACT ENGINE

Source Capacity/Throughput:

1.260 Gal/HR

Diesel Fuel

**I. RESTRICTIONS.****Operation Hours Restriction(s).**

001 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

[Additional authority for this plan approval condition is derived from 40 CFR §§ 63.6585(f)(3) and 63.6640(f)(2)(i) and (4); and 25 Pa. Code §§ 127.35(b) and 129.93(c)(5).]

The permittee shall ensure that the presumptive RACT engine of this emergency generator set is operated in compliance with the following operating hours restrictions:

- (a) A total operating time of less than or equal to 250 hrs/yr (as a 12-month rolling sum, calculated monthly).
- (b) A total operating time of less than or equal to 50 hours per calendar year for non-emergency situations, except that the following operations are prohibited:
 - (1) Peak shaving.
 - (2) Demand response.
 - (3) Supplying power to an electric grid to generate income.
- (c) A total operating time of less than or equal to 100 hours per calendar year for the following purposes:
 - (1) Any maintenance, including readiness testing.
 - (2) The non-emergency situations indicated in (b), above.

[Compliance with this plan approval condition assures that the engine is considered an emergency engine, pursuant to 40 CFR § 63.6640(f), and not subject to the provisions of 40 CFR Part 63, Subpart ZZZZ, pursuant to 40 CFR § 63.6585(f)(3).]

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

**SECTION D. Source Level Plan Approval Requirements****IV. RECORDKEEPING REQUIREMENTS.**

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

002 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

(a) This source consists of an emergency generator set, model no. 15.0RDJF-18R50/1337AA, manufactured by Onan Corp. The emergency generator set is located at Building 13 and is rated at 15 ekW power output.

(b) The emergency generator set is equipped with a four-cylinder, diesel fuel-fired (presumptive RACT) reciprocating internal combustion engine, model no. RDJF, also manufactured by Onan Corp. The engine is rated at 31.25 bhp power output and has a displacement of 0.5716 liters per cylinder.

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

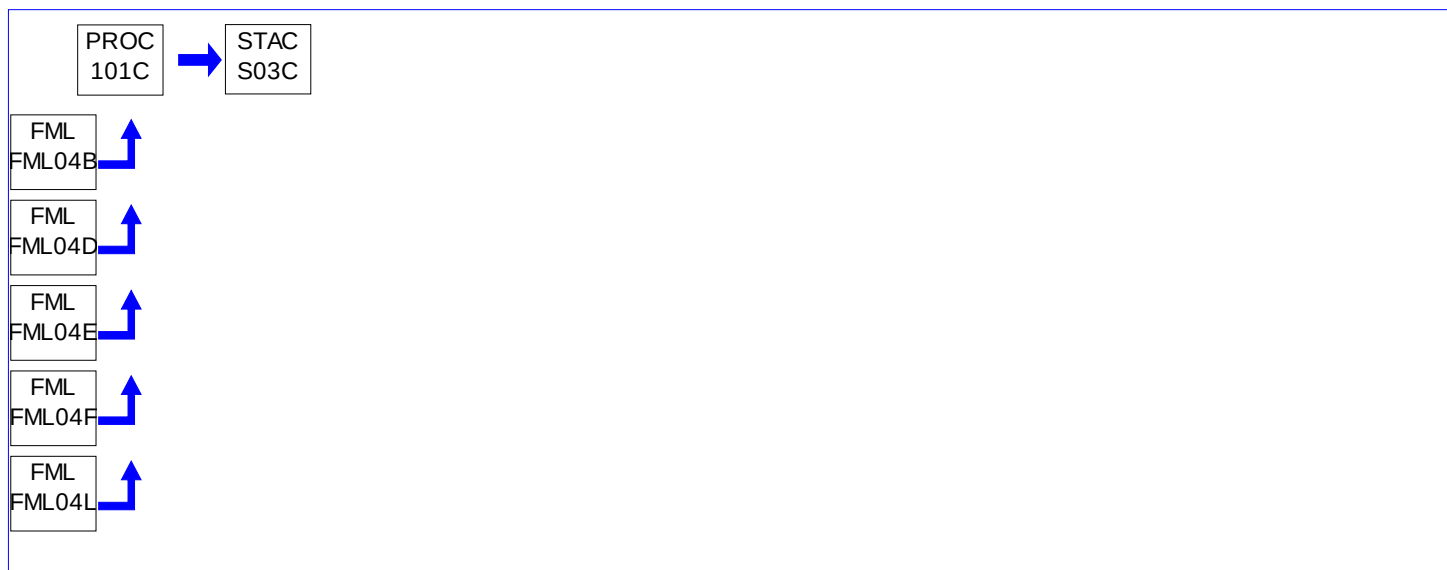
Source ID: 101C

Source Name: EMERGENCY GENERATOR SETS WITH PLAN APPR-EXEMPT ENGINES (5)

Source Capacity/Throughput:

99.900 Gal/HR

Diesel Fuel

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

[Additional authority for this plan approval condition is derived from 40 CFR § 60.4205(b) and 25 Pa. Code Chapter 122 and § 127.1.]

The permittee shall ensure that emission into the outdoor atmosphere of the following pollutants from each of the plan approval-exempt engines of these emergency generator sets does not exceed the following rates:

Building #s	Emission Rates [g/bkW-hr (g/bhp-hr)]		
	CO	NOx + NMHC	PM
1, 10, 60	3.5 (2.6)	6.4 (4.8)	0.20 (0.15)
19, 51	3.5 (2.6)	4.0 (3.0)	0.20 (0.15)

NMHCs = Non-methane hydrocarbons.

[Compliance with this streamlined plan approval condition assures compliance with 40 CFR Part 1039, Appendix I, Table 2, and 25 Pa. Code § 123.13(c)(1)(i) for the engines located at Buildings 1, 10, and 60; and 40 CFR Part 1039, Appendix I, Table 3, and 25 Pa. Code § 123.13(c)(1)(i) for the engines located at Buildings 19 and 51.]

Operation Hours Restriction(s).**# 002 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

[Additional authority for this plan approval condition is derived from 40 CFR §§ 60.4211(f)(2)(i) and (3), 63.6585(f)(3), and 63.6640(f)(2)(i) and (4); and 25 Pa. Code Chapter 122 and § 127.35(b).]

The permittee shall ensure that each of the plan approval-exempt engines of these emergency generator sets is operated in compliance with the following operating hours restrictions:

- (a) A total operating time of less than or equal to 250 hrs/yr (as a 12-month rolling sum, calculated monthly).

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

(b) A total operating time of less than or equal to 50 hours per calendar year for non-emergency situations, except that the following operations are prohibited:

- (1) Peak shaving.
- (2) Demand response.
- (3) Supplying power to an electric grid to generate income.

(c) A total operating time of less than or equal to 100 hours per calendar year for the following purposes:

- (1) Any maintenance, including readiness testing.
- (2) The non-emergency situations indicated in (b), above.

[Compliance with this streamlined plan approval condition assures compliance with 40 CFR § 60.4211(f)(1); that the engines are considered emergency engines, pursuant to 40 CFR §§ 60.4211(f) and 63.6640(f); and that the engines are not subject to the provisions of 40 CFR Part 63, Subpart ZZZZ, pursuant to 40 CFR § 63.6585(f)(3).]

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

003 [25 Pa. Code §127.12b]

Plan approval terms and conditions.

This source grouping consists of five emergency generator sets, each equipped with an inline six-cylinder, diesel fuel-fired (plan approval-exempt) reciprocating internal combustion engine, as follows:

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

Building #	Manufacturer	Emergency Generator Set / Engine		Engine Displacement
		Model No.	Rated Power Output	
1	MTU Onsite Energy Corp. (both)	DS275D6S / 6R1600G70S	275 ekW / 418 bhp	1.75 L/cylinder
10	Kohler Power Systems / John Deere	275REOZJE / 6090HF484	280 ekW / 422 bhp	1.50 L/cylinder
19	Kohler Power Systems / John Deere	150REOZJF / 6068HF285K	154 ekW / 237 bhp	1.13 L/cylinder
51	MTU Onsite Energy / John Deere	200PJC6DT3 / 6068HF485	200 ekW / 315 bhp	1.13 L/cylinder
60	Kohler Power Systems / John Deere	400REOZJ / 6135HF485	400 ekW / 617 bhp	2.25 L/cylinder

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

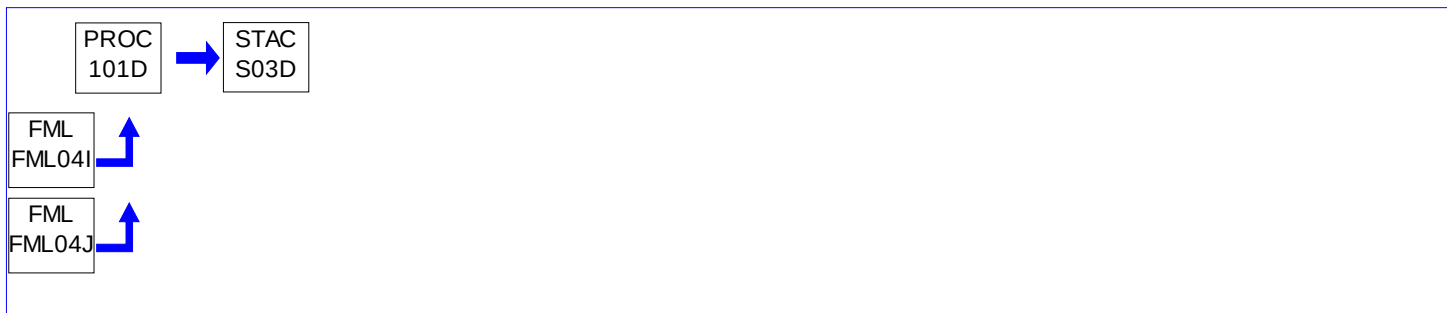
Source ID: 101D

Source Name: TRAILER-MOUNTED EMER GENSETS W/ PLAN APPR-EXEMPT ENGINES (2)

Source Capacity/Throughput:

37.100 Gal/HR

Diesel Fuel

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

[Additional authority for this plan approval condition is derived from 25 Pa. Code § 123.13(c)(1)(i).]

The permittee shall ensure that emission into the outdoor atmosphere of PM from the plan approval-exempt engine of these trailer-mounted emergency generator sets located at Building 21 occurs in such a manner that the concentration of PM in the exhaust gas does not exceed 0.04 gr/dscf.

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

[Additional authority for this plan approval condition is derived from 25 Pa. Code § 123.21(b).]

The permittee shall ensure that emission into the outdoor atmosphere of sulfur oxides (SOx) from the plan approval-exempt engine of these trailer-mounted emergency generators located at Building 21 occurs in such a manner that the concentration of SOx, expressed as sulfur dioxide (SO2), in the exhaust gas does not exceed 500 ppmv, dry basis.

Operation Hours Restriction(s).**# 003 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

[Additional authority for this plan approval condition is derived from 40 CFR §§ 60.4211(f)(2)(i) and (3), 63.6585(f)(3), and 63.6640(f)(2)(i) and (4); and 25 Pa. Code Chapter 122 and § 127.35(b).]

The permittee shall ensure that each of the plan approval-exempt engines of these trailer-mounted emergency generator sets is operated in compliance with the following operating hours restrictions:

- (a) A total operating time of less than or equal to 250 hrs/yr (as a 12-month rolling sum, calculated monthly).
- (b) A total operating time of less than or equal to 50 hours per calendar year for non-emergency situations, except that the following operations are prohibited:
 - (1) Peak shaving.
 - (2) Demand response.
 - (3) Supplying power to an electric grid to generate income.
- (c) A total operating time of less than or equal to 100 hours per calendar year for the following purposes:
 - (1) Any maintenance, including readiness testing.

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

(2) The non-emergency situations indicated in (b), above.

[Compliance with this streamlined plan approval condition assures compliance with 40 CFR § 60.4211(f)(1); that the engines are considered emergency engines, pursuant to 40 CFR §§ 60.4211(f) and 63.6640(f); and that the engines are not subject to the provisions of 40 CFR Part 63, Subpart ZZZZ, pursuant to 40 CFR § 63.6585(f)(3).]

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

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

This source grouping consists of two trailer-mounted emergency generator sets, each equipped with an inline six-cylinder, diesel fuel-fired (plan approval-exempt) reciprocating internal combustion engine, as follows:

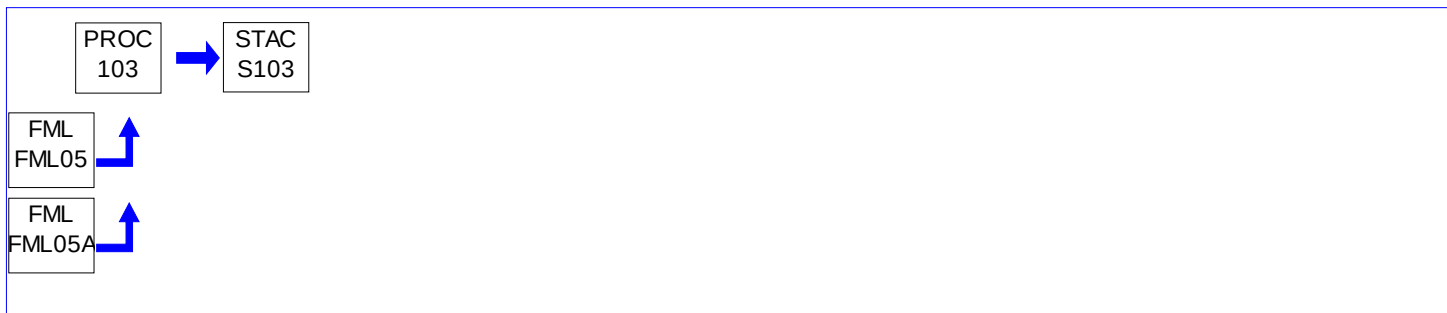
Building #	Manufacturer	Emergency Generator Set / Engine Model No.	Rated Power Output	Engine Displacement
12	Taylor Power Systems / Cummins, Inc.	TMC250 / QSL9-G3 NR3	250 ekW / 399 bhp	1.48 L/cylinder
21	Onan Corp. / Cummins, Inc.	DGFC / 6CTAA8.3-G2	200 ekW / 352 bhp	1.38 L/cylinder

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

Source ID: 103

Source Name: MTU EMERGENCY GENERATOR SETS WITH ENGINES (3)

Source Capacity/Throughput: 333.000 Gal/HR Diesel Fuel

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §127.12b]
Plan approval terms and conditions.**

[Additional authority for this plan approval condition is derived from 40 CFR § 60.4205(b) and 25 Pa. Code Chapter 122 and § 127.1.]

The permittee shall ensure that emission into the outdoor atmosphere of the following pollutants from the engines of these emergency generator sets does not exceed the following standards and rates:

Pollutant(s)	Per-Engine Emissions			Total Emissions	
	g/bkW-hr (g/bhp-hr)	Lbs/hr	Tons/yr ²	Lbs/hr	Tons/yr ²
CO	3.5 (2.6)	4.32	0.541	12.97	1.62
NMHCs		0.69	0.086	2.07	0.26
NOx		30.43	3.80	91.28	11.41
NOx + NMHCs	6.4 (4.8)				
PM	0.20 (0.15)	0.29	0.036	0.87	0.11

[Compliance with this streamlined plan approval condition assures compliance with 40 CFR Part 1039, Appendix I, Table 2; and 25 Pa. Code § 123.13(c)(1)(i).]

² As a 12-month rolling sum, calculated monthly.

Fuel Restriction(s).**# 002 [25 Pa. Code §127.12b]
Plan approval terms and conditions.**

[Additional authority for this plan approval condition is derived from 40 CFR §§ 60.4207(b) and 1090.30510(b)–(c), and 25 Pa. Code Chapter 122 and § 127.1.]

(a) The permittee shall ensure that diesel fuel is the only fuel consumed by the engines of these emergency generator sets.

(b) The diesel fuel consumed by each of the engines shall comply with the following per-gallon standards:

(1) The sulfur content shall not exceed 15 ppm (0.0015%, by weight).

(2) Either of the following:

(i) The cetane index shall be equal to or greater than 40.

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

- (ii) The aromatic content shall not exceed 35%, by volume.

[Compliance with this streamlined plan approval condition assures compliance with 25 Pa. Code § 123.21(b).]

Operation Hours Restriction(s).**# 003 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

[Additional authority for this plan approval condition is derived from 40 CFR §§ 60.4211(f)(2)(i) and (3), 63.6585(f)(3), and 63.6640(f)(2)(i) and (4); and 25 Pa. Code Chapter 122 and § 127.35(b).]

The permittee shall ensure that each of the engines of these emergency generator sets is operated in compliance with the following operating hours restrictions:

- (a) A total operating time of less than or equal to 250 hrs/yr (as a 12-month rolling sum, calculated monthly).
- (b) A total operating time of less than or equal to 50 hours per calendar year for non-emergency situations, except that the following operations are prohibited:
 - (1) Peak shaving.
 - (2) Demand response.
 - (3) Supplying power to an electric grid to generate income.
- (c) A total operating time of less than or equal to 100 hours per calendar year for the following purposes:
 - (1) Any maintenance, including readiness testing.
 - (2) The non-emergency situations indicated in (b), above.

[Compliance with this streamlined plan approval condition assures compliance with 40 CFR § 60.4211(f)(1); that the engines are considered emergency engines, pursuant to 40 CFR §§ 60.4211(f) and 63.6640(f); and that the engines are not subject to the provisions of 40 CFR Part 63, Subpart ZZZZ, pursuant to 40 CFR § 63.6585(f)(3).]

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

[Additional authority for this plan approval condition is derived from 25 Pa. Code § 139.16(1) and (3).]

- (a) The following testing requirements are applicable to the diesel fuel consumed by the engines of these emergency generator sets:

- (1) The fuel sample shall be collected in a manner that provides a representative sample. Upon the request of a Department official, the permittee shall collect the sample employing the procedures and equipment specified in ASTM Standards D4057 or D4177, as appropriate.
- (2) Unless an alternative method(s) is approved by the Department, in writing, only the following ASTM standards may be used to determine the following respective constituents or property for the diesel fuel:

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

Constituent/Property	ASTM Standards
Sulfur Content	D1552, D2622, or D4294
Cetane Index	D613, D976, or D4737
Aromatic Content	D5186 or D8368

(b) The testing requirements indicated in (a)(1)–(2), above, shall be waived for a given shipment of diesel fuel in the event that the permittee obtains either a laboratory analysis or other certification (e.g., delivery receipt) from the fuel supplier in accordance with Condition # 008, Section D (under Source ID 103), of this plan approval.

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

The permittee shall monitor the following operating parameters for each of the engines of these emergency generator sets:

- (a) The type(s) of operation, on an operating day basis.
- (b) The following hours of operation, on an operating day basis:
 - (1) The hours of operation for each type of operation.
 - (2) The total hours of operation.
- (c) The amount of diesel fuel consumed on a monthly basis.

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

The permittee shall calculate the total NO_x emissions (pounds and tons) from the engines of these emergency generator sets on a monthly, ozone season, and 12-month rolling basis, using a Department-approved method(s).

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

The permittee shall maintain records of the following operating parameters for each of the engines of these emergency generator sets:

- (a) The type(s) of operation, on an operating day basis.
- (b) The following hours of operation:
 - (1) The hours of operation for each type of operation, on an operating day, monthly, and annual basis.
 - (2) The total hours of operation, on an operating day, monthly, and 12-month rolling basis.
- (c) The amount of diesel fuel consumed on a monthly basis, calculated using a Department-approved method.

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

The permittee shall maintain records of the corresponding laboratory analysis or other certification from the fuel supplier for each shipment of diesel fuel received for the engines of these emergency generator sets. The laboratory analysis or other certification shall specify the following for the diesel fuel:

- (a) The maximum sulfur content (ppm, by weight; or %, by weight).
- (b) The cetane index or aromatic content (%, by volume).

**SECTION D. Source Level Plan Approval Requirements****# 009 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The permittee shall maintain records of the manufacturers' emission-related written instructions (or operating manuals) for each of the engines of these emergency generator sets.

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

The permittee shall maintain records of all maintenance performed for the engines of these emergency generator sets. These records shall contain, at a minimum, the following for each engine:

- (a) The date and time of the maintenance.
- (b) The reading on the hour-meter of the respective emergency generator set.
- (c) The type of maintenance performed.

011 [25 Pa. Code §127.12b]**Plan approval terms and conditions.**

The permittee shall maintain records of the total NO_x emissions (pounds and tons) from the engines of these emergency generator sets on a monthly, ozone season, and 12-month rolling basis, calculated using a Department-approved method(s).

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.**# 012 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

[Additional authority for this plan approval condition is derived from 40 CFR §§ 60.4209 and 60.4211(a)(1)–(3) and (c), and 25 Pa. Code Chapter 122 and § 127.444.]

- (a) The permittee shall ensure that each of the engines of these emergency generator sets is configured, operated, and maintained in accordance with the manufacturers' emission-related written instructions.
- (b) The permittee shall not change any emission-related settings on the engines, except those that are permitted by the respective manufacturers.

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

The permittee shall operate and maintain a non-resettable hour meter for each of these emergency generator sets.

VII. ADDITIONAL REQUIREMENTS.**# 014 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

- (a) This source grouping shall consist of three emergency generator sets, brand/model no. mtu 12V4000 DS1500 50°C, manufactured by Rolls-Royce Power Systems AG. Each emergency generator set shall be rated at 1,500 ekW power output (4,500 ekW power output total).
- (b) Each emergency generator set shall be equipped with a V-type 12-cylinder, diesel fuel-fired, reciprocating internal combustion engine, brand/model no. mtu 12V4000G74S, also manufactured by Rolls-Royce Power Systems AG. Each engine shall be rated at 2,328 bhp power output (6,984 bhp power output total) and have a displacement of 4.77 liters per cylinder.

**SECTION D. Source Level Plan Approval Requirements****# 015 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

Each of the engines of these emergency generator sets are subject to, and shall comply with all applicable provisions of, 40 CFR Part 60, Subpart IIII, and 40 CFR Part 63, Subpart ZZZZ. In accordance with 40 CFR §§ 60.4 and 63.13, copies of all requests, reports, applications, submittals, and other communications are required to be submitted to both EPA and the Department. These shall be submitted in accordance with Condition # 022, Section B, of Title V Operating Permit No. 46-00060.

016 [25 Pa. Code §129.203]**Stationary internal combustion engines.**

On or before October 31 of each year, the permittee shall calculate the difference between the actual NO_x emissions from, and the allowable NO_x emissions for, each of the engines of these emergency generator sets during the ozone season.

017 [25 Pa. Code §129.203]**Stationary internal combustion engines.**

The permittee shall calculate the allowable NO_x emissions from each of the engines of these emergency generator sets during the ozone season by multiplying the following values for the respective emergency generator set/engine:

- (a) The hours of operation for the emergency generator set during the ozone season.
- (b) The maximum rated power output (bhp) for the engine, as indicated in Condition # 014(b), Section D (under Source ID 103), of this plan approval.
- (c) The emission rate of 2.3 g/bhp-hr.

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

[Additional authority for this plan approval condition is derived from 25 Pa. Code § 129.204(b)(2)(ii) and (iv).]

(a) The permittee shall calculate the actual NO_x emissions from each of the engines of these emergency generator sets during the ozone season by multiplying the following values for the respective emergency generator set/engine:

- (1) The hours of operation for the emergency generator set during the ozone season.
 - (2) The maximum hourly NO_x emission rate restriction for the engine indicated in Condition # 001, Section D (under Source ID 103), of this plan approval.
- (b) As an alternative to the calculation procedure in (a), above, the permittee may calculate the actual NO_x emissions from the respective engines of the emergency generator sets during the ozone season by using an alternative calculation and recordkeeping procedure based upon emissions testing and correlations with operating parameters. The permittee shall demonstrate that the alternative procedure does not underestimate actual NO_x emissions. In conjunction with the alternative procedure for calculating actual NO_x emissions, the permittee shall also request an adjustment to the allowable NO_x emissions calculation procedure specified in Condition # 017, Section D (under Source ID 103), of this plan approval. The adjustment to the allowable NO_x emissions calculation procedure shall be based upon the same emissions testing and correlations with operating parameters proposed in the alternative calculation procedure for actual NO_x emissions, and shall not overestimate allowable NO_x emissions. The alternative calculation and recordkeeping procedure(s) must be approved by the Department, in writing, prior to its implementation.

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

[Additional authority for this plan approval condition is derived from 40 CFR Part 97, Subparts AAAAA, EEEEE, and GGGGG, and 25 Pa. Code § 129.204(c) and (e)–(f).]

(a) The permittee shall surrender to the Department one Clean Air Interstate Rule (CAIR) NO_x allowance and one CAIR NO_x Ozone Season allowance, as defined in 40 CFR §§ 96.102 and 96.302, respectively, for each ton of NO_x by which the combined actual NO_x emissions from the engines of these emergency generator sets during an ozone season exceed the

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

allowable NOx emissions for the engines during the same period. The surrendered NOx allowances shall be of current year vintage. For the purpose of determining the amount of NOx allowances to surrender, any remaining fraction of a ton of NOx equal to or greater than 0.50 tons shall be deemed to equal 1 ton, and any fraction of a ton of NOx less than 0.50 tons shall be deemed to equal zero tons.

(b) On or before November 1 of each year, the permittee shall surrender the NOx allowances required in (a), above, to the Department's designated NOx allowance tracking system account and submit the following information to the Department, in writing:

- (1) The serial number of each NOx allowance surrendered.
- (2) The calculations used to determine the quantity of NOx allowances required to be surrendered.

(c) If the permittee does not comply with (b)(1)–(2), above, in a given year, then the permittee shall surrender, on or before December 31 of that year, three NOx allowances for each NOx allowance that was required to be surrendered in (b)(1)–(2), above. The surrendered NOx allowances may be of current or later year vintage.

[Note: On July 6, 2011, EPA promulgated the Cross-State Air Pollution Rule (CSAPR) to replace CAIR. The CSAPR provisions of 40 CFR Part 97, Subpart AAAAA (relating to CSAPR NOx Annual Trading Program), replaced the provisions of 40 CFR 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 CFR 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. Accordingly, the permittee shall surrender CSAPR NOx Annual allowances and CSAPR NOx Ozone Season Group 3 allowances, as defined in 40 CFR §§ 97.402 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.]

020 [25 Pa. Code §129.204]**Emission accountability.**

(a) If the combined allowable NOx emissions for the engines of these emergency generator sets during an ozone season exceed the combined actual NOx emissions from the engines during the same period, the permittee may deduct the difference or any portion of the difference from the amount of actual NOx emissions from any source(s) subject to the provisions of 25 Pa. Code §§ 129.201–129.203 at any of the permittee's other facilities (during the same period).

(b) If the combined allowable NOx emissions for all sources subject to the provisions of 25 Pa. Code §§ 129.201–129.203 at any of the permittee's other facilities during an ozone season exceed the combined actual NOx emissions from the same sources during the same period, the permittee may deduct the difference or any portion of the difference from the amount of actual NOx emissions from the engines of these emergency generator sets (during the same period).



SECTION E. Source Group Plan Approval Restrictions.

**SECTION F. Alternative Operation Requirements.**

No Alternative Operations exist for this Plan Approval facility.

**SECTION G. Emission Restriction Summary.**

Source Id	Source Description		
046	PLAN APPROVAL-EXEMPT BOILERS (7)		
Emission Limit		Pollutant	
100.000	PPMV	Dry Basis, Corrected to 3% O ₂ ; From Each of the Larger Boilers While Consuming Natural Gas	CO
200.000	PPMV	Dry Basis, Corrected to 3% O ₂ ; From Each of the Smaller Boilers While Consuming Natural Gas	CO
9.000	PPMV	Dry Basis, Corrected to 3% O ₂ ; From Each of the Larger Boilers While Consuming Natural Gas	NOX
10.000	PPMV	Dry Basis, Corrected to 3% O ₂ ; From Each of the Smaller Boilers While Consuming Natural Gas	NOX
0.400	Lbs/MMBTU	Heat Input	TSP
101C	EMERGENCY GENERATOR SETS WITH PLAN APPR-EXEMPT ENGINES (5)		
Emission Limit		Pollutant	
2.600	GRAMS/HP-Hr	Brake-Specific; From Each Plan Approval-Exempt Engine	CO
3.500	GRAMS/KW-Hr	Brake-Specific; From Each Plan Approval-Exempt Engine	CO
3.000	GRAMS/HP-Hr	Brake-Specific; From the Plan Approval-Exempt Engines Located at Buildings 19 and 51	NOx+NMHC
4.000	GRAMS/KW-Hr	Brake-Specific; From the Plan Approval-Exempt Engines Located at Buildings 19 and 51	NOx+NMHC
4.800	GRAMS/HP-Hr	Brake-Specific; From the Plan Approval-Exempt Engines Located at Buildings 1, 10, and 60	NOx+NMHC
6.400	GRAMS/KW-Hr	Brake-Specific; From the Plan Approval-Exempt Engines Located at Buildings 1, 10, and 60	NOx+NMHC
0.150	GRAMS/HP-Hr	Brake-Specific; From Each Plan Approval-Exempt Engine	TSP
0.200	GRAMS/KW-Hr	Brake-Specific; From Each Plan Approval-Exempt Engine	TSP
101D	TRAILER-MOUNTED EMER GENSSETS W/ PLAN APPR-EXEMPT ENGINES (2)		
Emission Limit		Pollutant	
500.000	PPMV	Dry Basis; From the Plan Approval-Exempt Engine Located at Building 21	SOX
0.040	gr/DRY FT ³	From the Plan Approval-Exempt Engine Located at Building 21	TSP
103	MTU EMERGENCY GENERATOR SETS WITH ENGINES (3)		
Emission Limit		Pollutant	
0.541	Tons/Yr	As a 12-Month Rolling Sum, Calculated Monthly; From Each Engine	CO
1.620	Tons/Yr	As a 12-Month Rolling Sum, Calculated Monthly; From All Three Engines	CO
2.600	GRAMS/HP-Hr	Brake-Specific; From Each Engine	CO
3.500	GRAMS/KW-Hr	Brake-Specific; From Each Engine	CO

**SECTION G. Emission Restriction Summary.**

Source Id	Source Description		
4.320	Lbs/Hr	From Each Engine	CO
12.970	Lbs/Hr	From All Three Engines	CO
0.086	Tons/Yr	As a 12-Month Rolling Sum, Calculated Monthly; From Each Engine	NMHC
0.260	Tons/Yr	As a 12-Month Rolling Sum, Calculated Monthly; From All Three Engines	NMHC
0.690	Lbs/Hr	From Each Engine	NMHC
2.070	Lbs/Hr	From All Three Engines	NMHC
3.800	Tons/Yr	As a 12-Month Rolling Sum, Calculated Monthly; From Each Engine	NOX
11.410	Tons/Yr	As a 12-Month Rolling Sum, Calculated Monthly; From All Three Engines	NOX
30.430	Lbs/Hr	From Each Engine	NOX
91.280	Lbs/Hr	From All Three Engines	NOX
4.800	GRAMS/HP-Hr	Brake-Specific; From Each Engine	NOx+NMHC
6.400	GRAMS/KW-Hr	Brake-Specific; From Each Engine	NOx+NMHC
0.036	Tons/Yr	As a 12-Month Rolling Sum, Calculated Monthly; From Each Engine	TSP
0.110	Tons/Yr	As a 12-Month Rolling Sum, Calculated Monthly; From All Three Engines	TSP
0.150	GRAMS/HP-Hr	Brake-Specific; From Each Engine	TSP
0.200	GRAMS/KW-Hr	Brake-Specific; From Each Engine	TSP
0.290	Lbs/Hr	From Each Engine	TSP
0.870	Lbs/Hr	From All Three Engines	TSP

Site Emission Restriction Summary

Emission Limit	Pollutant
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**SECTION H. Miscellaneous.**

The site address is 1501 Sterigere Street, West Norriton, PA 19403.



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