



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

**TITLE V/STATE OPERATING PERMIT**

Issue Date: January 27, 2022

Effective Date: January 27, 2022

Expiration Date: January 26, 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 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 applicable requirements unless otherwise designated as "State-Only" or "non-applicable" requirements.

**TITLE V Permit No: 46-00060**

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 46004 Norristown Borough  
SIC Code: 8063 Services - Psychiatric Hospitals

**Responsible Official**

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

**Permit Contact Person**

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

[Signature] \_\_\_\_\_  
JAMES D. REBARCHAK, SOUTHEAST REGION AIR PROGRAM MANAGER



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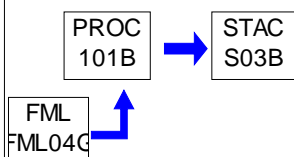
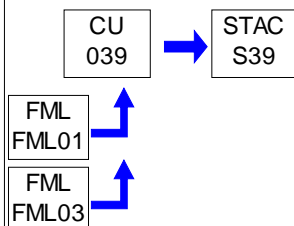
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Source ID	Source Name	Capacity/Throughput	Fuel/Material
039	CLEAVER-BROOKS BOILERS (3)	97.968 MMBTU/HR	
		94.820 MCF/HR	Natural Gas
		710.360 Gal/HR	#2 Oil
101B	EMERGENCY GENERATOR SET WITH PRESUMPTIVE RACT ENGINE	1.260 Gal/HR	Diesel Fuel
101C	EMERGENCY GENERATOR SETS WITH PLAN APPR-EXEMPT ENGINES (4)	85.200 Gal/HR	Diesel Fuel
101D	TRAILER-MOUNTED EMER GENSETS W/ PLAN APPR-EXEMPT ENGINES (3)	46.000 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)		
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FML04I	546-GAL EMERGENCY GENERATOR SET SUB-BASE DIESEL FUEL TANK		
FML04J	340-GAL EMERGENCY GENERATOR SET SUB-BASE DIESEL FUEL TANK		
S03B	EMERGENCY GENERATOR SET WITH PRESUMPTIVE RACT ENGINE STACK		
S03C	EMERGENCY GENERATOR SETS W/ PLAN APPR-EXEMPT ENGINE STKS (4)		
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S39	CLEAVER-BROOKS BOILERS STACKS		

**PERMIT MAPS**



### PERMIT MAPS



**SECTION B. General Title V 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 25 Pa. Code § 121.1.

**#002 [25 Pa. Code § 121.7]****Prohibition of Air Pollution**

No person may permit air pollution as that term is defined in the act.

**#003 [25 Pa. Code § 127.512(c)(4)]****Property Rights**

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

**#004 [25 Pa. Code § 127.446(a) and (c)]****Permit Expiration**

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. The terms and conditions of the expired permit shall automatically continue pending issuance of a new Title V 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. 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.

**#005 [25 Pa. Code §§ 127.412, 127.413, 127.414, 127.446(e), 127.503 & 127.704(b)]****Permit Renewal**

(a) An application for the renewal of the Title V permit shall be submitted to the Department at least six (6) months, and not more than 18 months, before the expiration date of this permit. The renewal application is timely if a complete application is submitted to the Department's Regional Air Manager within the timeframe specified in this permit condition.

(b) The application for permit renewal shall include the current permit number, the appropriate permit renewal fee, a description of any permit revisions and off-permit changes that occurred during the permit term, and any applicable requirements that were promulgated and not incorporated into the permit during the permit term. 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.

(c) 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. The application for renewal of the Title V permit shall also include submission of compliance review forms which have been used by the permittee to update information submitted in accordance with either 25 Pa. Code § 127.412(b) or § 127.412(j).

(d) 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 during the permit renewal process. The permittee shall also promptly provide additional information as necessary to address any requirements that become applicable to the source after the date a complete renewal application was submitted but prior to release of a draft permit.

**#006 [25 Pa. Code §§ 127.450(a)(4) & 127.464(a)]****Transfer of Ownership or Operational Control**

(a) In accordance with 25 Pa. Code § 127.450(a)(4), a change in ownership or operational control of the source shall be treated as an administrative amendment if:

- (1) The Department determines that no other change in the permit is necessary;
- (2) 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,
- (3) A compliance review form has been submitted to the Department and the permit transfer has been approved by

**SECTION B. General Title V Requirements**

the Department.

(b) In accordance with 25 Pa. Code § 127.464(a), this permit may not be transferred to another person except in cases of transfer-of-ownership which are documented and approved to the satisfaction of the Department.

**#007 [25 Pa. Code § 127.513, 35 P.S. § 4008 and § 114 of the CAA]****Inspection and Entry**

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

- (1) Enter at reasonable times upon the permittee's premises where a Title V 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 or remove, at reasonable times, records that are kept under the conditions of this permit;
- (3) Inspect at reasonable times, 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, 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.

(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.

**#008 [25 Pa. Code §§ 127.25, 127.444, & 127.512(c)(1)]****Compliance Requirements**

(a) The permittee shall comply with the conditions of this permit. Noncompliance with this permit constitutes a violation of the Clean Air Act and the Air Pollution Control Act and is grounds for one (1) or more of the following:

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

(b) A person may not cause or permit the operation of a source, which is subject to 25 Pa. Code Article III, unless the source(s) and air cleaning devices identified in the application for the plan approval and operating permit and the plan approval issued to the source are 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 Title V permit.

**#009 [25 Pa. Code § 127.512(c)(2)]****Need to Halt or Reduce Activity Not a Defense**

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

**SECTION B. General Title V Requirements****#010 [25 Pa. Code §§ 127.411(d) & 127.512(c)(5)]****Duty to Provide Information**

(a) The permittee shall furnish to the Department, within a reasonable time, information that the Department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit, or to determine compliance with the permit.

(b) Upon request, the permittee shall also furnish to the Department copies of records that the permittee is required to keep by this permit, or for information claimed to be confidential, the permittee may furnish such records directly to the Administrator of EPA along with a claim of confidentiality.

**#011 [25 Pa. Code §§ 127.463, 127.512(c)(3) & 127.542]****Reopening and Revising the Title V Permit for Cause**

(a) This Title V permit may be modified, revoked, reopened and reissued or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay a permit condition.

(b) This permit may be reopened, revised and reissued prior to expiration of the permit under one or more of the following circumstances:

(1) Additional applicable requirements under the Clean Air Act or the Air Pollution Control Act become applicable to a Title V facility with a remaining permit term of three (3) or more years prior to the expiration date of this permit. The Department will revise the permit as expeditiously as practicable but not later than 18 months after promulgation of the applicable standards or regulations. No such revision is required if the effective date of the requirement is later than the expiration date of this permit, unless the original permit or its terms and conditions has been extended.

(2) Additional requirements, including excess emissions requirements, become applicable to an affected source under the acid rain program. Upon approval by the Administrator of EPA, excess emissions offset plans for an affected source shall be incorporated into the permit.

(3) The Department or the EPA determines that this permit contains a material mistake or inaccurate statements were made in establishing the emissions standards or other terms or conditions of this permit.

(4) The Department or the Administrator of EPA determines that the permit must be revised or revoked to assure compliance with the applicable requirements.

(c) Proceedings to revise this permit shall follow the same procedures which apply to initial permit issuance and shall affect only those parts of this permit for which cause to revise exists. The revision shall be made as expeditiously as practicable.

(d) Regardless of whether a revision is made in accordance with (b)(1) above, the permittee shall meet the applicable standards or regulations promulgated under the Clean Air Act within the time frame required by standards or regulations.

**#012 [25 Pa. Code § 127.543]****Reopening a Title V Permit for Cause by EPA**

As required by the Clean Air Act and regulations adopted thereunder, this permit may be modified, reopened and reissued, revoked or terminated for cause by EPA in accordance with procedures specified in 25 Pa. Code § 127.543.

**#013 [25 Pa. Code § 127.522(a)]****Operating Permit Application Review by the EPA**

The applicant may be required by the Department to provide a copy of the permit application, including the compliance plan, directly to the Administrator of the EPA. Copies of title V permit applications to EPA, pursuant to 25 PA Code §127.522(a), shall be submitted, if required, to the following EPA e-mail box:

R3\_Air\_Apps\_and\_Notices@epa.gov

Please place the following in the subject line: TV [permit number], [Facility Name].



**SECTION B. General Title V Requirements****#014 [25 Pa. Code § 127.541]****Significant Operating Permit Modifications**

When permit modifications during the term of this permit do not qualify as minor permit modifications or administrative amendments, the permittee shall submit an application for significant Title V permit modifications in accordance with 25 Pa. Code § 127.541. Notifications to EPA, pursuant to 25 PA Code §127.522(a), if required, shall be submitted, to the following EPA e-mail box:

R3\_Air\_Apps\_and\_Notices@epa.gov

Please place the following in the subject line: TV [permit number], [Facility Name].

**#015 [25 Pa. Code §§ 121.1 & 127.462]****Minor Operating Permit Modifications**

The permittee may make minor operating permit modifications (as defined in 25 Pa. Code §121.1), on an expedited basis, in accordance with 25 Pa. Code §127.462 (relating to minor operating permit modifications). Notifications to EPA, pursuant to 25 PA Code §127.462(c), if required, shall be submitted, to the following EPA e-mail box:

R3\_Air\_Apps\_and\_Notices@epa.gov

Please place the following in the subject line: TV [permit number], [Facility Name].

**#016 [25 Pa. Code § 127.450]****Administrative Operating Permit Amendments**

(a) The permittee may request administrative operating permit amendments, as defined in 25 Pa. Code §127.450(a). Copies of request for administrative permit amendment to EPA, pursuant to 25 PA Code §127.450(c)(1), if required, shall be submitted to the following EPA e-mail box:

R3\_Air\_Apps\_and\_Notices@epa.gov

Please place the following in the subject line: TV [permit number], [Facility Name].

(b) Upon final action by the Department granting a request for an administrative operating permit amendment covered under §127.450(a)(5), the permit shield provisions in 25 Pa. Code § 127.516 (relating to permit shield) shall apply to administrative permit amendments incorporated in this Title V Permit in accordance with §127.450(c), unless precluded by the Clean Air Act or the regulations thereunder.

**#017 [25 Pa. Code § 127.512(b)]****Severability Clause**

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

**#018 [25 Pa. Code §§ 127.704, 127.705 & 127.707]****Fee Payment**

(a) The permittee shall pay fees to the Department in accordance with the applicable fee schedules in 25 Pa. Code Chapter 127, Subchapter I (relating to plan approval and operating permit fees). 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.

(b) Emission Fees. The permittee shall, on or before September 1st of each year, pay applicable annual Title V emission fees for emissions occurring in the previous calendar year as specified in 25 Pa. Code § 127.705. The permittee is not required to pay an emission fee for emissions of more than 4,000 tons of each regulated pollutant emitted from the facility.

(c) As used in this permit condition, the term "regulated pollutant" is defined as a VOC, each pollutant regulated under Sections 111 and 112 of the Clean Air Act and each pollutant for which a National Ambient Air Quality Standard has been promulgated, except that carbon monoxide is excluded.

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(d) Late Payment. Late payment of emission fees will subject the permittee to the penalties prescribed in 25 Pa. Code § 127.707 and may result in the suspension or termination of the Title V permit. The permittee shall pay a penalty of fifty percent (50%) of the fee amount, plus interest on the fee amount computed in accordance with 26 U.S.C.A. § 6621(a)(2) from the date the emission fee should have been paid in accordance with the time frame specified in 25 Pa. Code § 127.705(c).

(e) The permittee shall pay an annual operating permit maintenance fee according to the following fee schedule established in 25 Pa. Code § 127.704(d) on or before December 31 of each year for the next calendar year.

(1) Eight thousand dollars (\$8,000) for calendar years 2021—2025.

(2) Ten thousand dollars (\$10,000) for calendar years 2026—2030.

(3) Twelve thousand five hundred dollars (\$12,500) for the calendar years beginning with 2031.

**#019 [25 Pa. Code §§ 127.14(b) & 127.449]****Authorization for De Minimis Emission Increases**

(a) This permit authorizes de minimis emission increases from a new or existing source in accordance with 25 Pa. Code §§ 127.14 and 127.449 without the need for a plan approval or prior issuance of a permit modification. The permittee shall provide the Department with seven (7) days prior written notice before commencing any de minimis emissions increase that would result from either: (1) a physical change of minor significance under § 127.14(c)(1); or (2) the construction, installation, modification or reactivation of an air contamination source. 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.

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

(b) Except as provided below in (c) and (d) of this permit condition, the permittee is authorized during the term of this permit 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 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 or 25 Pa. Code Article III.

(c) In accordance with § 127.14, the permittee may install the following minor sources without the need for a plan approval:

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

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

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(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, liquefied petroleum gas 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.

(d) 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 (b)(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 the Air Pollution Control Act, the Clean Air Act, or the regulations promulgated under either of the acts.

(4) Changes which are modifications under any provision of Title I of the Clean Air Act and emission increases which would exceed the allowable emissions level (expressed as a rate of emissions or in terms of total emissions) under the Title V permit.

(e) Unless precluded by the Clean Air Act or the regulations thereunder, the permit shield described in 25 Pa. Code § 127.516 (relating to permit shield) shall extend to the changes made under 25 Pa. Code § 127.449 (relating to de minimis emission increases).

(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 allowed under this permit, 25 Pa. Code § 127.449, or sources and physical changes meeting the requirements of 25 Pa. Code § 127.14, the permittee is prohibited from making physical 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.

**#020 [25 Pa. Code §§ 127.11a & 127.215]****Reactivation of Sources**

(a) The permittee may reactivate a source at the facility that has been out of operation or production for at least one year, but less than or equal to five (5) years, if the source is reactivated in accordance with the requirements of 25 Pa. Code §§ 127.11a and 127.215. The reactivated source will not be considered a new source.

(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).

**#021 [25 Pa. Code §§ 121.9 & 127.216]****Circumvention**

(a) The owner of this Title V facility, 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

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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 permit, 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.

**#022 [25 Pa. Code §§ 127.402(d) & 127.513(1)]****Submissions**

(a) 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 on the permit transmittal letter, or otherwise notified)

(b) Any report or notification for the EPA Administrator or EPA Region III should be addressed to:

Enforcement & Compliance Assurance Division  
Air, RCRA and Toxics Branch  
Air Section  
1650 Arch Street, 3ED21  
Philadelphia, PA 19103

The Title V compliance certification shall be emailed to EPA at R3\_APD\_Permits@epa.gov.

(c) An application, form, report or compliance certification submitted pursuant to this permit condition shall contain certification by a responsible official as to truth, accuracy, and completeness as required under 25 Pa. Code § 127.402(d). Unless otherwise required by the Clean Air Act or regulations adopted thereunder, this certification and any other certification required pursuant to this permit shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate and complete.

**#023 [25 Pa. Code §§ 127.441(c) & 127.463(e); Chapter 139; & 114(a)(3), 504(b) of the CAA]****Sampling, Testing and Monitoring Procedures**

(a) The permittee shall perform the emissions monitoring and analysis procedures or test methods for applicable requirements of this Title V permit. In addition to the sampling, testing and monitoring procedures specified in this permit, the Permittee shall comply with any additional applicable requirements promulgated under the Clean Air Act after permit issuance regardless of whether the permit is revised.

(b) The sampling, testing and monitoring required under the applicable requirements of this permit, shall be conducted in accordance with the requirements of 25 Pa. Code Chapter 139 unless alternative methodology is required by the Clean Air Act (including §§ 114(a)(3) and 504(b)) and regulations adopted thereunder.

**#024 [25 Pa. Code §§ 127.511 & Chapter 135]****Recordkeeping Requirements**

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

- (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.

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(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 the 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. If direct recordkeeping is not possible or practical, sufficient records shall be kept to provide the needed information by indirect means.

**#025 [25 Pa. Code §§ 127.411(d), 127.442, 127.463(e) & 127.511(c)]****Reporting Requirements**

(a) The permittee shall comply with the reporting requirements for the applicable requirements specified in this Title V permit. In addition to the reporting requirements specified herein, the permittee shall comply with any additional applicable reporting requirements promulgated under the Clean Air Act after permit issuance regardless of whether the permit is revised.

(b) Pursuant to 25 Pa. Code § 127.511(c), the permittee shall submit reports of required monitoring at least every six (6) months unless otherwise specified in this permit. Instances of deviations (as defined in 25 Pa. Code § 121.1) from permit requirements shall be clearly identified in the reports. The reporting of deviations shall include the probable cause of the deviations and corrective actions or preventative measures taken, except that sources with continuous emission monitoring systems shall report according to the protocol established and approved by the Department for the source. The required reports shall be certified by a responsible official.

(c) Every report submitted to the Department under this permit condition shall comply with the submission procedures specified in Section B, Condition #022(c) of this permit.

(d) Any records, reports or information obtained by the Department or referred to in a public hearing shall be made available to the public by the Department except for such records, reports or information for which the permittee has shown cause that the documents should be considered confidential and protected from disclosure to the public under Section 4013.2 of the Air Pollution Control Act and consistent with Sections 112(d) and 114(c) of the Clean Air Act and 25 Pa. Code § 127.411(d). The permittee may not request a claim of confidentiality for any emissions data generated for the Title V facility.

**#026 [25 Pa. Code § 127.513]****Compliance Certification**

(a) One year after the date of issuance of the Title V permit, and each year thereafter, unless specified elsewhere in the permit, the permittee shall submit to the Department and EPA Region III a certificate of compliance with the terms and conditions in this permit, for the previous year, including the emission limitations, standards or work practices. This certification shall include:

- (1) The identification of each term or condition of the permit that is the basis of the certification.
- (2) The compliance status.
- (3) The methods used for determining the compliance status of the source, currently and over the reporting period.
- (4) Whether compliance was continuous or intermittent.

(b) The compliance certification shall be postmarked or hand-delivered no later than thirty days after each anniversary of the date of issuance of this Title V Operating Permit, or on the submittal date specified elsewhere in the permit, to the Department in accordance with the submission requirements specified in Section B, Condition #022 of this permit. The Title V compliance certification shall be emailed to EPA at R3\_APD\_Permits@epa.gov.

**SECTION B. General Title V Requirements****#027 [25 Pa. Code § 127.3]****Operational Flexibility**

The permittee is authorized to make changes within the Title V facility in accordance with the following provisions in 25 Pa. Code Chapter 127 which implement the operational flexibility requirements of Section 502(b)(10) of the Clean Air Act and Section 6.1(i) of the Air Pollution Control Act:

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

**#028 [25 Pa. Code §§ 127.441(d), 127.512(i) and 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 Title V 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 § 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 EPA 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 permit 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.

(d) If the Title V facility is subject to 40 CFR 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 CFR Part 68 by the date specified in 40 CFR § 68.10(a); or,
- (2) Certify that the Title V facility is in compliance with all requirements of 40 CFR Part 68 including the registration and submission of the RMP.

**SECTION B. General Title V Requirements**

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

(f) When the Title V facility is subject to the accidental release program requirements of Section 112(r) of the Clean Air Act and 40 CFR Part 68, appropriate enforcement action will be taken by the Department if:

(1) The permittee fails to register and submit the RMP or a revised plan pursuant to 40 CFR Part 68.

(2) The permittee fails to submit a compliance schedule or include a statement in the compliance certification required under Section B, Condition #026 of this permit that the Title V facility is in compliance with the requirements of Section 112(r) of the Clean Air Act, 40 CFR Part 68, and 25 Pa. Code § 127.512(i).

**#029 [25 Pa. Code § 127.512(e)]****Approved Economic Incentives and Emission Trading Programs**

No permit revision shall be required under approved economic incentives, marketable permits, emissions trading and other similar programs or processes for changes that are provided for in this Title V permit.

**#030 [25 Pa. Code §§ 127.516, 127.450(d), 127.449(f) & 127.462(g)]****Permit Shield**

(a) The permittee's compliance with the conditions of this permit shall be deemed in compliance with applicable requirements (as defined in 25 Pa. Code § 121.1) as of the date of permit issuance if either of the following applies:

(1) The applicable requirements are included and are specifically identified in this permit.

(2) The Department specifically identifies in the permit other requirements that are not applicable to the permitted facility or source.

(b) Nothing in 25 Pa. Code § 127.516 or the Title V permit shall alter or affect the following:

(1) The provisions of Section 303 of the Clean Air Act, including the authority of the Administrator of the EPA provided thereunder.

(2) The liability of the permittee for a violation of an applicable requirement prior to the time of permit issuance.

(3) The applicable requirements of the acid rain program, consistent with Section 408(a) of the Clean Air Act.

(4) The ability of the EPA to obtain information from the permittee under Section 114 of the Clean Air Act.

(c) Unless precluded by the Clean Air Act or regulations thereunder, final action by the Department incorporating a significant permit modification in this Title V Permit shall be covered by the permit shield at the time that the permit containing the significant modification is issued.

**#031 [25 Pa. Code §135.3]****Reporting**

(a) 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 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.

**#032 [25 Pa. Code §135.4]****Report Format**

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**

The permittee shall ensure that emission into the outdoor atmosphere of fugitive air contaminants does not occur from any source, except for the following:

- (a) Construction or demolition of buildings or structures.
- (b) Grading, paving, and maintenance of roads and streets.
- (c) 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.
- (d) Clearing of land.
- (e) Stockpiling of materials.
- (f) Open burning operations, as specified in 25 Pa. Code § 129.14 (see Condition # 007(a)–(g), Section C, of this permit).
- (g) Sources and classes of sources other than those indicated in (a)–(f), above, for which the operator has obtained a determination from the Department, in accordance with 25 Pa. Code § 123.1(b), that fugitive air contaminant emissions from the sources, after appropriate controls, meet the following requirements:
  - (1) The emissions are of minor significance with respect to causing air pollution.
  - (2) 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**

The permittee shall ensure that emission into the outdoor atmosphere of fugitive particulate matter (PM) from a source(s) specified in 25 Pa. Code § 123.1 (see Condition # 001(a)–(g), Section C, of this permit) occurs in such a manner that the emission is not visible at the point it passes outside the person's property.

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

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

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

The permittee shall ensure that emission into the outdoor atmosphere of visible air contaminants from any source occurs in such a manner that the opacity of the emission is neither of the following:

- (a) Equal to or greater than 20% for a period or periods aggregating more than 3 minutes in any 1 hour.
- (b) Equal to or greater than 60% at any time.

[Compliance with this streamlined permit condition assures compliance with 40 CFR § 60.43c(c)–(d).]

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

The opacity emission restrictions specified in 25 Pa. Code § 123.41 (see Condition # 004(a)–(b), Section C, of this permit) shall not apply to a visible air contaminant emission in either of the following instances:

- (a) When the presence of uncombined water is the only reason for failure of the emission to meet the restrictions.



**SECTION C. Site Level Requirements**

(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 a source(s) specified in 25 Pa. Code § 123.1 (see Condition # 001(a)–(g), Section C, of this permit).

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

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.512(h).]

The permittee shall ensure that emission into the outdoor atmosphere of nitrogen oxides (NO<sub>x</sub>) from this facility occurs in such a manner that the rate of the emission is less than 25 tons/yr, calculated monthly as a 12-month rolling sum.

**# 007 [25 Pa. Code §129.14]****Open burning operations**

The permittee shall not perform any open burning activities, except for the following:

- (a) A fire set to prevent or abate a fire hazard, when approved by the Department and set by or under the supervision of a public officer.
- (b) A fire set for the purpose of instructing personnel in fire fighting, when approved by the Department.
- (c) A fire set for the prevention and control of disease or pests, when approved by the Department.
- (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.
- (g) A fire set solely for cooking food.

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

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.443(b).]

- (a) If, at any time, the Department has cause to believe that air contaminant emissions from any source(s) listed in Sections A or H, of this permit, may be in excess of the restrictions specified in this permit or established pursuant to any applicable rule or regulation contained in 25 Pa. Code, Part I, Subpart C, Article III, the permittee shall be required to perform whatever test(s) is deemed necessary by the Department to determine the actual emission rate(s).
- (b) The permittee shall perform any test(s) required in (a), above, in accordance with the provisions of 25 Pa. Code Chapter 139, when applicable, and any restrictions or limitations established by the Department at such time as it notifies the permittee that testing is required.

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

The permittee may measure visible air contaminant emissions using either of the following:

- (a) A device approved by the Department and maintained to provide accurate opacity measurements.

**SECTION C. Site Level Requirements**

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

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

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.511(a)(1)–(3).]

(a) The permittee shall monitor this facility, at least once per operating day, for the following:

- (1) Odors, which may be objectionable (as per 25 Pa. Code § 123.31; see Condition # 003, Section C, of this permit).
- (2) Visible air contaminant emissions (as per 25 Pa. Code §§ 123.41 and 123.42; see Condition #s 004–005, Section C, of this permit, respectively).
- (3) Fugitive air contaminant emissions (as per 25 Pa. Code §§ 123.1 and 123.2; see Condition #s 001–002, Section C, of this permit, respectively).

(b) Objectionable odors, visible air contaminant emissions, and/or fugitive air contaminant emissions that are caused or may be caused by operations at the facility 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).
- (4) Be recorded in a permanent written log.

(c) At the end of 6 months, upon the permittee's request, the Department will determine the feasibility of decreasing the frequency of monitoring to weekly for the next 6-month period.

(d) At the end of the second 6-month period, upon the permittee's request, the Department will determine the feasibility of decreasing the frequency of monitoring to monthly.

(e) The Department reserves the right to change the above monitoring requirements at any time, based on, but not limited to, the review of the annual certificate of compliance, the semi-annual deviation report, complaints, monitoring results, and/or Department findings.

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

The permittee shall calculate the total NOx emissions from this facility on a monthly and 12-month rolling basis, using a Department-approved method(s).

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

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.443(b).]

The permittee shall maintain all records, reports, and analysis results generated in compliance with the requirements of any section of this permit in accordance with Condition # 025(b), Section B, of this permit, and shall make them available to the Department upon written or verbal request within a reasonable time.

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

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.511(b)(1)–(2).]

**SECTION C. Site Level Requirements**

(a) The permittee shall maintain records of all monitoring of odors and visible and fugitive air contaminant emissions, including deviations from the conditions found in Condition #s 001–004, Section C, of this permit. All records of deviations shall include, at a minimum, the following for each incident:

- (1) A description of the deviation.
- (2) The source(s) and/or associated air pollution control device(s) and location(s).
- (3) The duration (including the starting and ending date(s) and times).
- (4) The cause(s).
- (5) The corrective action(s) taken, if necessary to abate the situation and prevent future occurrences.

(b) The monitoring shall be recorded and maintained in a Department-approved format and time frame.

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

The permittee shall maintain records of all of this facility's emission increases, including the following types, in accordance with 25 Pa. Code § 127.449:

- (a) De minimis emission increases without notification to the Department.
- (b) De minimis emission increases with notification to the Department, via letter.
- (c) Emission increases resulting from a Request for Determination of Changes of Minor Significance and Exemption from Plan Approval/Operating Permit (RFD) to the Department.
- (d) Emission increases resulting from the issuance of a plan approval and subsequent operating permit.

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

The permittee shall maintain records of the total NO<sub>x</sub> emissions from this facility on a monthly and 12-month rolling basis, calculated using a Department-approved method(s).

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

[Additional authority for this permit condition is derived from 40 CFR § 60.7(b), and 25 Pa. Code Chapter 122 and §§ 127.443(b) and 127.511(c)(2).]

- (a) The permittee shall report malfunctions, emergencies, or incidents of excess emissions to the Department. A malfunction is any sudden, infrequent, and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner. An emergency is any situation arising from sudden and reasonably unforeseeable events beyond the control of the owner or operator of a facility, which requires immediate corrective action to restore normal operation and which causes the emission source to exceed emissions, due to unavoidable increases in emissions attributable to the situation. An emergency shall not include situations caused by improperly-designed equipment, lack of preventative maintenance, careless or improper operation, or operator error.
- (b) When the malfunction, emergency or incident of excess emissions poses an imminent danger to the public health, safety, welfare, or environment, it shall be reported to the Department by telephone at 484-250-5920, as well as to the County Emergency Management Agency by telephone, within 1 hour after the discovery of the malfunction, emergency, or incident of excess emissions. The owner or operator shall submit a written or emailed report of instances of such malfunctions, emergencies, or incidents of excess emissions to the Department within 3 business days of the telephone report.

**SECTION C. Site Level Requirements**

(c) The report shall describe the following:

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

(d) Any malfunction, emergency, or incident of excess emissions that is not subject to the notice requirements specified in (b), above, shall be reported to the Department by telephone at 484-250-5920 within 24 hours (or by 4:00 PM of the next business day, whichever is later) of discovery and in writing or by e-mail within 5 business days of discovery. The report shall contain the information listed in (c)(1)–(6), above, 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 (b)–(d), above, as applicable, including any permit-specific malfunction reporting requirements.

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

(g) Any emissions resulting from a 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.

**# 017 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 25 Pa. Code §§ 127.511(c)(1)–(2) and 127.513(5)(i)–(v).]

(a) The permittee shall submit, to the Department electronically, the following reports:

(1) By April 1, of each year, an annual certificate of compliance, in accordance with Condition # 024(a)(1)–(4), Section B, of this permit, for the reporting period covering January 1–December 31, of the previous year.

(2) By October 1, of each year, a semi-annual deviation report, in accordance with Condition # 026(b), Section B, of this permit, for the reporting period covering January 1–June 30, of the same year. [Note: The annual certificate of compliance in (a)(1), above, fulfills the obligation for the second deviation reporting period (i.e., July 1–December 31, of each year).]

(b) The permittee shall submit, to EPA electronically, the annual certificate of compliance in (a)(1), above, in accordance with Condition # 022(b), Section B, of this permit.

**# 018 [25 Pa. Code §135.21]**

**Emission statements**

The permittee shall submit, to the Department, by March 1, of each year, an annual emission statement for NO<sub>x</sub> and volatile organic compound (VOC) emissions for the preceding calendar year. Additionally, a description of the method used to calculate the emissions shall be included. The statement shall contain a certification by a company officer or the plant manager that the information contained in the statement is true and accurate.

**SECTION C. Site Level Requirements****VI. WORK PRACTICE REQUIREMENTS.****# 019 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 25 Pa. Code §§ 123.1(c) and 127.443(b).]

The permittee shall take all reasonable actions to prevent PM from a source(s) specified in 25 Pa. Code § 123.1 (see Condition # 001(a)–(g), Section C, of this permit) 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, oil, water, or suitable chemicals on dirt roads, material stockpiles, and other surfaces that may give rise to airborne dusts.
- (c) Paving and maintenance of roadways.
- (d) Prompt removal of earth or other material from paved roads onto which earth or other material has been transported by trucking or earth moving equipment, erosion by water, or other means.

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

[Additional authority for this permit condition is derived from 40 CFR § 60.11(d) and 25 Pa. Code Chapter 122 and §§ 127.443(b), 127.444, and 129.93(c)(5).]

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

**# 021 [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 pollution control device(s), if necessary, to reduce the air contaminant emissions to within applicable restrictions, if at any time the operation of a source(s) listed in Sections A or H, of this permit, is causing the emission of air contaminants in excess of the restrictions specified in this permit or established pursuant to any applicable rule or regulation contained in 25 Pa. Code, Part I, Subpart C, Article III.

**# 022 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee may not modify any air contaminant system identified in Sections A or H, of this permit, prior to obtaining Department approval, except those modifications authorized by Condition # 019(g), Section B, of this permit.

**VII. ADDITIONAL REQUIREMENTS.**

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

**VIII. COMPLIANCE CERTIFICATION.**

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

**IX. COMPLIANCE SCHEDULE.**

No compliance milestones exist.

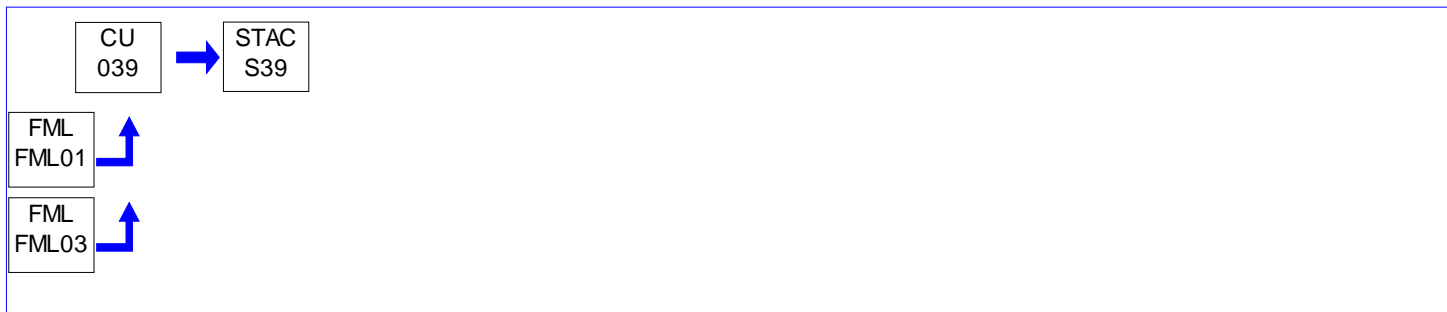
**\*\*\* Permit Shield In Effect \*\*\***

**SECTION D. Source Level Requirements**

Source ID: 039

Source Name: CLEAVER-BROOKS BOILERS (3)

Source Capacity/Throughput: 97.968 MMBTU/HR  
 94.820 MCF/HR Natural Gas  
 710.360 Gal/HR #2 Oil

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

[Additional authority for this permit 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 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 §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 25 Pa. Code §§ 127.1, 127.443(b), and 127.512(h).]

(a) The permittee shall ensure that the emission into the outdoor atmosphere of NO<sub>x</sub> from each of these boilers occurs in such a manner that the concentration of the emission does not exceed either of the following:

- (1) 30 ppmv, dry basis, corrected to 3% oxygen (O<sub>2</sub>), when consuming natural gas.
- (2) 90 ppmv, dry basis, corrected to 3% O<sub>2</sub>, when consuming No. 2 fuel oil.

(b) The permittee shall ensure that the emission into the outdoor atmosphere of carbon monoxide (CO) from each of these boilers occurs in such a manner that the concentration of the emission does not exceed 300 ppmv, dry basis, corrected to 3% O<sub>2</sub>.

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

[Additional authority for this permit condition is derived from 40 CFR §§ 60.11(c) and 60.43c(c)–(d), and 25 Pa. Code Chapter 122 and § 127.512(h).]

(a) The permittee shall ensure that emission into the outdoor atmosphere of visible air contaminants from any of these boilers when consuming No. 2 fuel oil occurs in such a manner that the opacity of the emission is not greater than 20% over any 6-minute average, except for one 6-minute period per hour of not greater than 27%.

(b) The opacity emission restrictions specified in (a), above, shall not apply during periods of startup, shutdown, or malfunction.

[Notes: Compliance with the opacity emission restrictions specified in 25 Pa. Code § 123.41 (see Condition # 004(a)–(b), Section C, of this permit) assures compliance with this condition. The boilers are subject to the opacity emission restrictions specified in 25 Pa. Code § 123.41 at all times. The opacity emission restrictions in this condition relate to other applicable requirements under 40 CFR Part 60, Subpart Dc, as indicated in Conditions # 007 and 012(a)(1), Section D

**SECTION D. Source Level Requirements**

(under Source ID 039), of this permit.]

**Fuel Restriction(s).****# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 25 Pa. Code §§ 123.22(e)(2) and 127.512(h).]

- (a) The permittee shall ensure that natural gas and No. 2 fuel oil are the only fuels consumed by these boilers.
- (b) The sulfur content of the No. 2 fuel oil consumed by the boilers shall not exceed 15 ppm, by weight (0.0015%, by weight), except as specified in 25 Pa. Code § 123.22(e)(2)(ii)–(iv).
- (c) The permittee shall ensure that the boilers consume No. 2 fuel oil only during periods of gas curtailment or supply interruption,<sup>1</sup> startups, or periodic testing on No. 2 fuel oil. The periodic testing on No. 2 fuel oil for each boiler shall not exceed 48 hours during any calendar year.

[Compliance with this streamlined permit condition assures compliance with 40 CFR § 60.42c(d) and 25 Pa. Code § 123.22(e)(1). Compliance with (b), above, assures that the boilers are not subject to the provisions of 40 CFR § 60.43c(e)(1). Compliance with (c), above, assures that the boilers are not subject to the provisions of 40 CFR Part 63, Subpart JJJJJJ.]

<sup>1</sup> As defined in 40 CFR § 63.11237.

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

[Additional authority for this permit condition is derived from 40 CFR §§ 60.42(h)(1) and 60.43c(c)–(d), and 25 Pa. Code § 139.16(1) and (3).]

- (a) The following testing requirements are applicable to the No. 2 fuel oil consumed by these boilers:
- (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 International (ASTM) Standards D4057 or D4177, as appropriate.
  - (2) Unless an alternative method(s) is approved by the Department, in writing, only ASTM Standards D129, D1266, D1552, D2622, or D4294 may be used to determine the sulfur content of the No. 2 fuel oil.
- (b) The testing requirements indicated in (a)(1)–(2), above, shall be waived for a given shipment of No. 2 fuel oil 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 # 009, Section D (under Source ID 039), of this permit.

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

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.511(a)(2)–(3).]

The permittee shall monitor the following operating parameters for each of these boilers:

- (a) The hours of operation on a monthly basis.

**SECTION D. Source Level Requirements**

- (b) The amount of natural gas consumed on a monthly basis.
- (c) The following when consuming No. 2 fuel oil:
  - (1) The type(s) of operation (i.e., those indicated in Condition # 004(c), Section D (under Source ID 039), of this permit), on an operating day basis.
  - (2) The hours of operation when performing periodic testing, on a monthly and annual (i.e., calendar-year) basis.
  - (3) The amount of No. 2 fuel oil consumed on a monthly basis.

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

[Additional authority for this permit condition is derived from 40 CFR §§ 60.11(b) and 60.47c(f)(3), and 25 Pa. Code Chapter 122 and §§ 127.511(a)(1)–(2) and 127.512(h).]

In addition to the requirements specified in Condition # 010, Section C, of this permit, whenever any of these boilers consume No. 2 fuel oil, the permittee shall monitor the affected boiler(s), once per operating day, for visible air contaminant emissions, in accordance with the following procedures:

- (a) Opacity observations shall be made using EPA Method 22 for a period of 10 minutes, to demonstrate that the sum of any occurrence(s) of visible air contaminant emissions does not exceed 5% of the observation period (i.e., 30 seconds).
- (b) If the sum of occurrence(s) of visible air contaminant emissions in (a), above, is greater than 30 seconds, the observation period shall be immediately extended to 30 minutes (i.e., an additional 20 minutes, still using EPA Method 22), to demonstrate that the sum of the occurrence(s) of visible air contaminant emissions does not exceed 5% of the extended observation period (i.e., 90 seconds).
- (c) If the sum of occurrence(s) of visible air contaminant emissions in (b), above, is greater than 90 seconds, either/both of the following shall be performed within 24 hours:
  - (1) Adjustments to the affected boiler(s) and subsequent opacity observations made using EPA Method 22 for a period of 30 minutes, to demonstrate that the sum of any occurrence(s) of visible air contaminant emissions does not exceed 5% of the observation period.
  - (2) If the permittee opts not to adjust the affected boiler(s), or if the sum of occurrence(s) of visible air contaminant emissions in (c)(1), above, is greater than 90 seconds, opacity observations made using EPA Method 9, to demonstrate compliance with Condition # 003(a), Section D (under Source ID 039), of this permit. The observation period may be reduced from 3 hours to 60 minutes if all 6-minute averages are less than 10% and all individual 15-second observations are less than or equal to 20% during the initial 60 minutes of observation.

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

[Additional authority for this permit condition is derived from 40 CFR § 60.48c(g)(2) and 25 Pa. Code Chapter 122 and § 127.511(b)(1)–(2).]

- (a) The permittee shall maintain records of the following operating parameters for each of these boilers:
  - (a) The hours of operation on a monthly basis.
  - (b) The amount of natural gas consumed on a monthly basis.
  - (c) The following when consuming No. 2 fuel oil:



**SECTION D. Source Level Requirements**

- (1) The type(s) of operation, on an operating day basis.
- (2) The hours of operation when performing periodic testing, on a monthly and annual basis.
- (3) The amount of No. 2 fuel oil consumed on a monthly basis.

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

[Additional authority for this permit condition is derived from 40 CFR § 60.48c(e)(11) and (f)(1)(i)–(iii), and 25 Pa. Code Chapter 122 and § 127.511(b)(1)–(2).]

The permittee shall maintain records of the corresponding laboratory analysis or other certification from the fuel supplier for each shipment of No. 2 fuel oil received for these boilers. The laboratory analysis or other certification shall specify the maximum sulfur content (ppm, by weight; or %, by weight) of the No. 2 fuel oil. The other certification shall also include the following information:

- (a) The name of the fuel supplier.
- (b) A statement from the fuel supplier that the No. 2 fuel oil meets the specifications of ASTM D396.

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

The permittee shall maintain records of all maintenance performed on each of these boilers. These records shall contain, at a minimum, the following:

- (a) The date and time of the maintenance.
- (b) The type of maintenance (e.g., routine and/or preventative maintenance, repairs, parts replacement, adjustments/tuneups, calibrations; etc.) performed.
- (c) The following for each adjustment/tuneup:
  - (1) The date of the tuning procedure.
  - (2) The names of the service company and technician(s).
  - (3) The final operating rate or load.
  - (4) The final NO<sub>x</sub> and CO emission rates.
  - (5) The final excess oxygen rate.

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

[Additional authority for this permit condition is derived from 40 CFR § 60.48c(c)(1)–(2) and 25 Pa. Code Chapter 122 and § 127.511(b)(1)–(2).]

The permittee shall maintain records of all monitoring of visible air contaminant emissions for these boilers when consuming No. 2 fuel oil. These records shall contain, at a minimum, the following for each opacity observation period:

- (a) The following when using EPA Method 22:
  - (1) Identification of the boiler for which the monitoring is performed.
  - (2) The date and duration (including the starting and ending times) of the opacity observation period.

**SECTION D. Source Level Requirements**

- (3) The name and affiliation of the visible emission observer.
- (4) A copy of the opacity field data sheet(s).
- (5) Documentation of any adjustments made to the boiler to demonstrate compliance with the monitoring requirements specified in Condition # 007, Section D (under Source ID 039), of this permit. The documentation shall include, at a minimum, the following:
  - (i) The type of adjustment.
  - (ii) The date and time that the adjustment is completed.
- (b) The following when using EPA Method 9:
  - (1) Identification of the boiler for which the monitoring is performed.
  - (2) The date and duration (including the starting and ending times) of the opacity observation period.
  - (3) The name and affiliation of, and copy of current visible emission reading certification for, the visible emission observer.
  - (4) A copy of the opacity field data sheet(s).

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

[Additional authority for this permit condition is derived from 40 CFR § 60.48c(c)–(d), (e)(11), (f)(1)(i)–(iii), and (j); and 25 Pa. Code Chapter 122 and § 127.511(c)(1).]

- (a) The permittee shall submit, to the Department electronically, by January 30 and July 30, of each year, the following reports for the reporting periods covering July 1–December 31, of the previous year, and January 1–June 30, of the same year, respectively:
  - (1) An excess emissions report, which shall include the information specified in Condition # 011(a)–(b), Section D (under Source ID 039), of this permit, for all visible air contaminant emissions from any of these boilers that do not comply with the opacity restrictions specified in Condition # 003(a), Section D (under Source ID 039), of this permit.
  - (2) A fuel supplier certification report, which shall include the following information:
    - (i) The information specified in Condition # 009, Section D (under Source ID 039), of this permit.
    - (ii) A certified statement signed by the permittee stating that the fuel supplier certification records in the report represent all of the No. 2 fuel oil consumed by the boilers during the reporting period.
- (b) The permittee shall submit, to EPA electronically, the reports in (a)(1)–(2), above, in accordance with Condition # 022(b), Section B, of this permit.

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

[Additional authority for this permit condition is derived from 25 Pa. Code §§ 127.443(b) and 127.511(a)(3).]

The permittee shall ensure that each of these boilers is equipped with meters to monitor the amounts of natural gas and No. 2 fuel oil consumed.

**SECTION D. Source Level Requirements****# 014 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall perform an adjustment or tuneup on each of these boilers on an annual basis, in accordance with Condition # 010, Section D (under Source ID 039), of this permit. The adjustments/tuneups shall include, but not be limited to, the following:

- (a) Inspection, adjustment, cleaning, or replacement of fuel-burning equipment, including the burners and moving parts necessary for proper operation, in accordance with the manufacturer's specifications.
- (b) Inspection of the flame pattern or characteristics and adjustments necessary to minimize total emissions of NOx and, to the extent practicable, CO.
- (c) Inspection of the air-to-fuel ratio control system and adjustments necessary to ensure proper calibration and operation, in accordance with the manufacturer's specifications.

**VII. ADDITIONAL REQUIREMENTS.****# 015 [25 Pa. Code §127.441]****Operating permit 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 burner, model no. LND420P, manufactured by Industrial Combustion, with internal flue gas recirculation (FGR) system.

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

These boilers are subject to, and shall comply with all applicable provisions of, 40 CFR Part 60, Subpart Dc. In accordance with 40 CFR § 60.4, 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 this permit.

\*\*\* Permit Shield in Effect. \*\*\*

**SECTION D. Source Level Requirements**

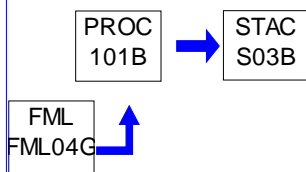
Source ID: 101B

Source Name: EMERGENCY GENERATOR SET WITH PRESUMPTIVE RACT ENGINE

Source Capacity/Throughput:

1.260 Gal/HR

Diesel Fuel

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

[Additional authority for this permit condition is derived from 25 Pa. Code §§ 123.13(c)(1)(i) and 127.512(h).]

The permittee shall ensure that emission into the outdoor atmosphere of PM from the presumptive RACT engine of this emergency generator set 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 §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 25 Pa. Code §§ 123.21(b) and 127.512(h).]

The permittee shall ensure that emission into the outdoor atmosphere of SO<sub>x</sub> from the presumptive RACT engine of this emergency generator set occurs in such a manner that the concentration of SO<sub>x</sub>, expressed as SO<sub>2</sub>, in the exhaust gas does not exceed 500 ppmv, dry basis.

**Fuel Restriction(s).****# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.512(h).]

The permittee shall ensure that diesel fuel is the only fuel consumed by the presumptive RACT engine of this emergency generator set.

**Operation Hours Restriction(s).****# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR §§ 63.6585(f)(3) and 63.6640(f)(1)–(2) and (4)(ii)(A)–(E); and 25 Pa. Code §§ 127.35(b), 127.443(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 500 hrs/yr, calculated monthly as a 12-month rolling sum.
- (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.

**SECTION D. Source Level Requirements**

(3) Supplying power to an electric grid to generate income, or as part of a financial arrangement with another entity, unless all of the following conditions are met:<sup>2</sup>

(i) The engine is dispatched by the local balancing authority or local transmission and distribution system operator.

(ii) The dispatch is intended to mitigate local transmission and/or distribution limitations so as to avert potential voltage collapse or line overloads that could lead to the interruption of power supply in a local area or region.

(iii) The dispatch is in accordance with reliability, emergency operation, or similar protocols that follow specific NERC, regional, state, public utility commission, or local standards or guidelines.

(iv) The power is provided only to the facility itself or to support the local transmission and distribution system.

(v) The permittee identifies and records the entity that dispatches the engine and the specific NERC, regional, state, public utility commission, or local standards or guidelines that are being followed for dispatching the engine. The local balancing authority or local transmission and distribution system operator may keep these records on behalf of the permittee.

(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 permit condition assures that the engine is considered an emergency engine in accordance with, and is not subject to the provisions of, 40 CFR Part 63, Subpart ZZZZ, as vacated in part on May 1, 2015, by the U.S. Court of Appeals for the District of Columbia Circuit.]

<sup>2</sup> On September 23, 2015, the U.S. Court of Appeals for the District of Columbia Circuit granted EPA's motion for voluntary remand without vacatur of the provisions of 40 CFR § 63.6640(f)(4)(ii)(A)–(E), which are the basis of the requirements indicated in (b)(3)(i)–(v), above.

**II. TESTING REQUIREMENTS.**

**# 005 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

[Additional authority for this permit 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 presumptive RACT engine of this emergency generator set:

(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 ASTM Standards D129, D1266, D1552, D2622, or D4294 may be used to determine the sulfur content of the diesel fuel.

(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 # 009, Section D (under Source ID 101B), of this permit.

**SECTION D. Source Level Requirements****III. MONITORING REQUIREMENTS.****# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.511(a)(2)–(3).]

The permittee shall monitor the following operating parameters for the presumptive RACT engine of this emergency generator set:

- (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.

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

The permittee shall calculate the total NOx emissions (pounds and tons) from the presumptive RACT engine of this emergency generator set on a monthly, ozone season, and 12-month rolling basis, using a Department-approved method(s).

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

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.511(b)(1)–(2).]

The permittee shall maintain records of the following operating parameters for the presumptive RACT engine of this emergency generator set:

- (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.

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

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.511(b)(1)–(2).]

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 presumptive RACT engine of this emergency generator set. The laboratory analysis or other certification shall specify the maximum sulfur content (ppm, by weight; or %, by weight) of the diesel fuel.

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

The permittee shall maintain records of the total NOx emissions (pounds and tons) from the presumptive RACT engine of this emergency generator set on a monthly, ozone season, and 12-month rolling basis, calculated using a Department-approved method(s).

**SECTION D. Source Level Requirements****# 011 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall maintain records of all maintenance performed for the presumptive RACT engine of this emergency generator set. These records shall contain, at a minimum, the following:

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.****# 012 [25 Pa. Code §127.441]****Operating permit 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.

**\*\*\* Permit Shield in Effect. \*\*\***

**SECTION D. Source Level Requirements**

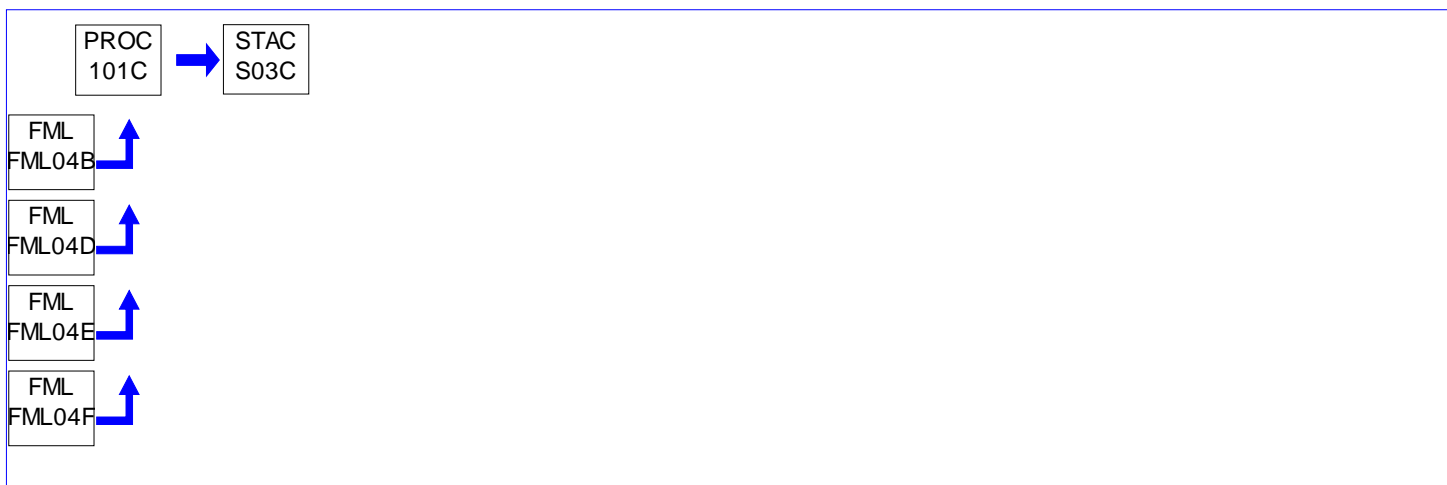
Source ID: 101C

Source Name: EMERGENCY GENERATOR SETS WITH PLAN APPR-EXEMPT ENGINES (4)

Source Capacity/Throughput:

85.200 Gal/HR

Diesel Fuel

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

[Additional authority for this permit condition is derived from 40 CFR § 60.4205(b) and 25 Pa. Code Chapter 122 and §§ 127.1 and 127.512(h).]

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:

Pollutant(s)	Emission Rates (g/bkW-hr / g/bhp-hr)
CO	3.5 / 2.6
NOx + NMHCs	4.0 / 3.0
PM	0.20 / 0.15

NMHCs = Non-methane hydrocarbons.

[Compliance with this streamlined permit condition assures compliance with 40 CFR Part 1039, Appendix I, Table 3; and 25 Pa. Code § 123.13(c)(1)(i).]

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

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.512(h).]

The permittee shall ensure that the emission into the outdoor atmosphere of NOx from the plan approval-exempt engines of these emergency generator sets and the trailer-mounted emergency generator sets (Source ID 101D) is less than the following rates:

- 100 lbs/hr.
- 1,000 lbs/day.
- 2.75 tons per ozone season (i.e., the period from May 1–September 30 of each year).
- 6.6 tons/yr, calculated monthly as a 12-month rolling sum.



**SECTION D. Source Level Requirements****Fuel Restriction(s).****# 003 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR §§ 60.4207(b) and 80.510(c)(1)–(2), and 25 Pa. Code Chapter 122 and §§ 127.1 and 127.512(h).]

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

(b) The diesel fuel consumed by each of the plan approval-exempt 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.

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

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

**Operation Hours Restriction(s).****# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR §§ 60.4211(f)(1)–(3), 63.6585(f)(3), and 63.6640(f)(1)–(2) and (4)(ii)(A)–(E); 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) There is no operating hours restriction for emergency situations.

(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, or as part of a financial arrangement with another entity, unless all of the following conditions are met:<sup>3</sup>

(i) The engine is dispatched by the local balancing authority or local transmission and distribution system operator.

(ii) The dispatch is intended to mitigate local transmission and/or distribution limitations so as to avert potential voltage collapse or line overloads that could lead to the interruption of power supply in a local area or region.

(iii) The dispatch is in accordance with reliability, emergency operation, or similar protocols that follow specific North American Electric Reliability Corporation (NERC), regional, state, public utility commission, or local standards or guidelines.

(iv) The power is provided only to the facility itself or to support the local transmission and distribution system.

(v) The permittee identifies and records the entity that dispatches the engine and the specific NERC, regional, state, public utility commission, or local standards or guidelines that are being followed for dispatching the engine. The local

**SECTION D. Source Level Requirements**

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

(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 permit condition assures that each of the engines is considered an emergency engine in accordance with the provisions of 40 CFR Part 60, Subpart IIII, and 40 CFR Part 63, Subpart ZZZZ, as vacated in part on May 1, 2015, by the U.S. Court of Appeals for the District of Columbia Circuit, and that the engines are not subject to the provisions of 40 CFR Part 63, Subpart ZZZZ.]

<sup>3</sup> On September 23, 2015, the U.S. Court of Appeals for the District of Columbia Circuit granted EPA's motion for voluntary remand without vacatur of the provisions of 40 CFR §§ 60.4211(f)(3)(i)(A)–(E) and 63.6640(f)(4)(ii)(A)–(E), which are the basis of the requirements indicated in (b)(3)(i)–(v), above.

**II. TESTING REQUIREMENTS.**

**# 005 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

[Additional authority for this permit 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 plan approval-exempt 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:

Constituent/Property	ASTM Standards
Sulfur Content	D129, D1266, D1552, D2622, or D4294
Cetane Index	D613, D976, or D4737
Aromatic Content	D5186 or D5292

(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 # 009, Section D (under Source ID 101C), of this permit.

**III. MONITORING REQUIREMENTS.**

**# 006 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.511(a)(2)–(3).]

The permittee shall monitor the following operating parameters for each of the plan approval-exempt 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:

**SECTION D. Source Level Requirements**

- (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.

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

The permittee shall calculate the total NOx emissions (pounds and tons) from the plan approval-exempt engines of these emergency generator sets and the trailer-mounted emergency generator sets (Source ID 101D) on a monthly, ozone season, and 12-month rolling basis, using a Department-approved method(s).

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

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.511(b)(1)–(2).]

The permittee shall maintain records of the following operating parameters for each of the plan approval-exempt 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.

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

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.511(b)(1)–(2).]

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 plan approval-exempt 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).

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

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

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

The permittee shall maintain records of all maintenance performed for the plan approval-exempt 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.

**SECTION D. Source Level Requirements**

(c) The type of maintenance performed.

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

The permittee shall maintain records of the total NOx emissions (pounds and tons) from the plan approval-exempt engines of these emergency generator sets and the trailer-mounted emergency generator sets (Source ID 101D) 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 permit including Section B (Title V General Requirements).

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

[Additional authority for this permit 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 plan approval-exempt 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.

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

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.511(a)(3).]

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

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

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

Location	Manufacturer	Emergency Generator Set / Engine		Engine Displacement
		Model No.	Rated Power Output	
Building #1	MTU Onsite Energy Corp. (both)	DS275D6S / 6R1600G70S	275 ekW / 418 bhp	1.75 L/cylinder
Building #10	Kohler Power Systems / John Deere	275REOZJE / 6090HF484	280 ekW / 422 bhp	1.50 L/cylinder
Building #51	MTU Onsite Energy / John Deere	200-JC6DT3 / 6068HF485	200 ekW / 315 bhp	1.13 L/cylinder
Building #60	Kohler Power Systems / John Deere	400REOZJ / 6135HF485	400 ekW / 617 bhp	2.25 L/cylinder

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

Each of the plan approval-exempt engines of these emergency generator sets are subject to, and shall comply with all applicable provisions of, 40 CFR Part 60, Subpart IIII. In accordance with 40 CFR § 60.4, 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 this permit.

\*\*\* Permit Shield in Effect. \*\*\*

**SECTION D. Source Level Requirements**

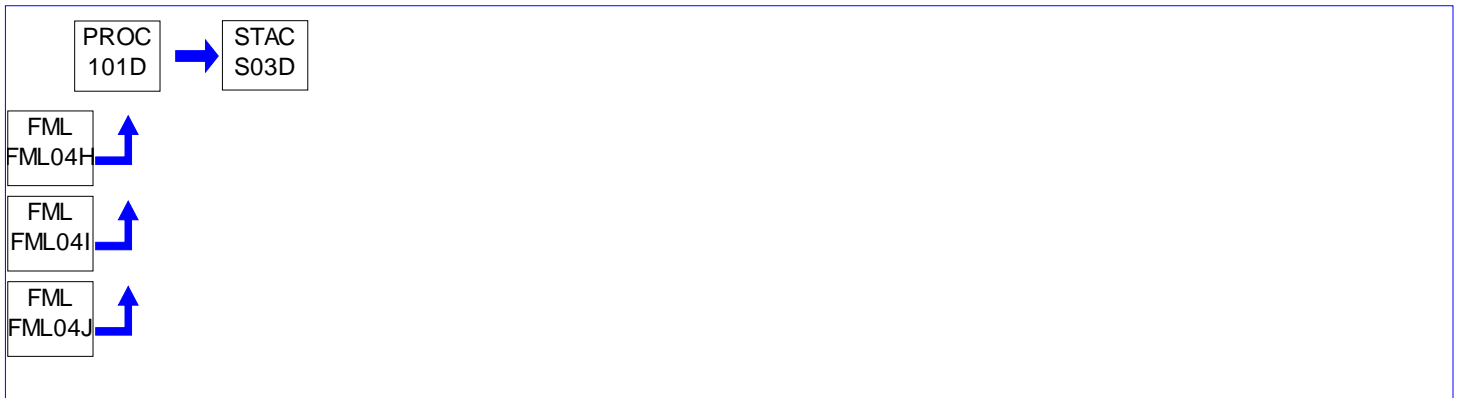
Source ID: 101D

Source Name: TRAILER-MOUNTED EMER GENSETS W/ PLAN APPR-EXEMPT ENGINES (3)

Source Capacity/Throughput:

46.000 Gal/HR

Diesel Fuel

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

[Additional authority for this permit condition is derived from 25 Pa. Code §§ 123.13(c)(1)(i) and 127.512(h).]

The permittee shall ensure that emission into the outdoor atmosphere of PM from each of the plan approval-exempt engines of these trailer-mounted emergency generator sets located at Building #9 and Building #21 occurs in such a manner that the concentration of PM in the exhaust gas does not exceed 0.04 grains per dry standard cubic foot (gr/dscf).

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

[Additional authority for this permit condition is derived from 25 Pa. Code §§ 123.21(b) and 127.512(h).]

The permittee shall ensure that emission into the outdoor atmosphere of sulfur oxides (SO<sub>x</sub>) from each of the plan approval-exempt engines of these trailer-mounted emergency generators located at Building #9 and Building #21 occurs in such a manner that the concentration of SO<sub>x</sub>, expressed as sulfur dioxide (SO<sub>2</sub>), in the exhaust gas does not exceed 500 ppmv, dry basis.

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

[Additional authority for this permit condition is derived from 40 CFR § 60.4205(b) and 25 Pa. Code Chapter 122 and §§ 127.1 and 127.512(h).]

The permittee shall ensure that emission into the outdoor atmosphere of the following pollutants from the plan approval-exempt engines of these trailer-mounted emergency generator sets located at Building #12 and Building #21 does not exceed the following rates:

Location	CO	Emission Rates (g/bkW-hr / g/bhp-hr)			PM
		NO <sub>x</sub>	HC	NO <sub>x</sub> + NMHC	
Building #12	3.5 / 2.6			4.0 / 3.0	0.20 / 0.15
Building #21	11.4 / 8.5	9.2 / 6.9	1.3 / 1.0		0.54 / 0.40

HCs = Hydrocarbons.

[Compliance with this streamlined permit condition assures compliance with 40 CFR Part 1039, Appendix I, Table 1, for the engine located at Building #21; and 40 CFR Part 1039, Appendix I, Table 3, and 25 Pa. Code § 123.13(c)(1)(i) for the engine located at Building #12.]

**SECTION D. Source Level Requirements****# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.512(h).]

The permittee shall ensure that the emission into the outdoor atmosphere of NO<sub>x</sub> from the plan approval-exempt engines of these trailer-mounted emergency generator sets and the emergency generator sets (i.e., those permitted under Source ID 101C) is less than the following rates:

- (a) 100 lbs/hr.
- (b) 1,000 lbs/day.
- (c) 2.75 tons per ozone season.
- (d) 6.6 tons/yr, calculated monthly as a 12-month rolling sum.

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

[Additional authority for this permit condition is derived from 40 CFR §§ 60.4207(b) and 80.510(c)(1)–(2), and 25 Pa. Code Chapter 122 and §§ 127.1 and 127.512(h).]

- (a) The permittee shall ensure that diesel fuel is the only fuel consumed by the plan approval-exempt engines of these trailer-mounted emergency generator sets.
- (b) The diesel fuel consumed by the engine located at Building #12 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.
    - (ii) The aromatic content shall not exceed 35%, by volume.

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

**Operation Hours Restriction(s).****# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR §§ 60.4211(f)(1)–(3), 63.6585(f)(3), and 63.6640(f)(1)–(2) and (4)(ii)(A)–(E); 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) There is no operating hours restriction for emergency situations.
- (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.

**SECTION D. Source Level Requirements**

(3) Supplying power to an electric grid to generate income, or as part of a financial arrangement with another entity, unless all of the following conditions are met:<sup>4</sup>

(i) The engine is dispatched by the local balancing authority or local transmission and distribution system operator.

(ii) The dispatch is intended to mitigate local transmission and/or distribution limitations so as to avert potential voltage collapse or line overloads that could lead to the interruption of power supply in a local area or region.

(iii) The dispatch is in accordance with reliability, emergency operation, or similar protocols that follow specific North American Electric Reliability Corporation (NERC), regional, state, public utility commission, or local standards or guidelines.

(iv) The power is provided only to the facility itself or to support the local transmission and distribution system.

(v) The permittee identifies and records the entity that dispatches the engine and the specific NERC, regional, state, public utility commission, or local standards or guidelines that are being followed for dispatching the engine. The local balancing authority or local transmission and distribution system operator may keep these records on behalf of the permittee.

(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 permit condition assures that each of the engines is considered an emergency engine in accordance with the provisions of 40 CFR Part 60, Subpart IIII, and 40 CFR Part 63, Subpart ZZZZ, as vacated in part on May 1, 2015, by the U.S. Court of Appeals for the District of Columbia Circuit, and that the engines are not subject to the provisions of 40 CFR Part 63, Subpart ZZZZ.]

<sup>4</sup> On September 23, 2015, the U.S. Court of Appeals for the District of Columbia Circuit granted EPA's motion for voluntary remand without vacatur of the provisions of 40 CFR §§ 60.4211(f)(3)(i)(A)–(E) and 63.6640(f)(4)(ii)(A)–(E), which are the basis of the requirements indicated in (b)(3)(i)–(v), above.

**II. TESTING REQUIREMENTS.**

**# 007 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

[Additional authority for this permit 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 plan approval-exempt engines of these trailer-mounted 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:

Constituent/Property	ASTM Standards
Sulfur Content	D129, D1266, D1552, D2622, or D4294
Cetane Index	D613, D976, or D4737
Aromatic Content	D5186 or D5292

**SECTION D. Source Level Requirements**

(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 # 011, Section D (under Source ID 101D), of this permit.

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

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.511(a)(2)–(3).]

The permittee shall monitor the following operating parameters for each of the plan approval-exempt engines of these trailer-mounted 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.

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

The permittee shall calculate the total NOx emissions (pounds and tons) from the plan approval-exempt engines of these trailer-mounted emergency generator sets and the emergency generator sets (i.e., those permitted under Source ID 101C) on a monthly, ozone season, and 12-month rolling basis, using a Department-approved method(s).

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

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.511(b)(1)–(2).]

The permittee shall maintain records of the following operating parameters for each of the plan approval-exempt engines of these trailer-mounted 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.

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

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.511(b)(1)–(2).]

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 plan approval-exempt engines of these trailer-mounted emergency generator sets. The laboratory analysis or other certification shall specify the following for the diesel fuel:



**SECTION D. Source Level Requirements**

(a) The maximum sulfur content (ppm, by weight; or %, by weight).

(b) The cetane index or aromatic content (% , by volume) for the engine located at Building #12.

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

The permittee shall maintain records of the manufacturers' emission-related written instructions (or operating manuals) for the plan approval-exempt engine of these trailer-mounted emergency generator sets located at Building #12.

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

The permittee shall maintain records of all maintenance performed for the plan approval-exempt engines of these trailer-mounted 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.

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

The permittee shall maintain records of the total NO<sub>x</sub> emissions (pounds and tons) from the plan approval-exempt engines of these trailer-mounted emergency generator sets and the emergency generator sets (i.e., those permitted under Source ID 101C) 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 permit including Section B (Title V General Requirements).

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

[Additional authority for this permit 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 the plan approval-exempt engine of these trailer-mounted emergency generator sets located at Building #12 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 engine located at Building #12, except those that are permitted by the manufacturer.

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

[Additional authority for this permit condition is derived from 25 Pa. Code § 127.511(a)(3).]

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

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

This source grouping consists of three trailer-mounted emergency generator sets, each equipped with an inline six-cylinder,



**SECTION D. Source Level Requirements**

diesel fuel-fired (plan approval-exempt) reciprocating internal combustion engine, as follows:

Location	Manufacturer	Emergency Generator Set / Engine		Engine Displacement
		Model No.	Rated Power Output	
Building #9	O'Brien Mach. Co. / Cummins Eng. Co., Inc.	OB100K-DW63 / 6BT-5.9	100 ekW / 166 bhp	0.98 L/cylinder
Building #12	Taylor Power Systems / Cummins, Inc.	TMC250 / QSL9-G3	250 ekW / 399 bhp	1.48 L/cylinder
Building #21	Onan Corp. / Cummins, Inc.	DGFC / 6CTAA8.3-G2	200 ekW / 352 bhp	1.38 L/cylinder

**# 018 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

The plan approval-exempt engine of these trailer-mounted emergency generator sets located at Building #12 is subject to, and shall comply with all applicable provisions of, 40 CFR Part 60, Subpart IIII. In accordance with 40 CFR § 60.4, 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 this permit.

**\*\*\* Permit Shield in Effect. \*\*\***



**SECTION E. Source Group Restrictions.**



**SECTION F. Alternative Operation Requirements.**

No Alternative Operations exist for this Title V facility.

**SECTION G. Emission Restriction Summary.**

Source Id	Source Descriptor		
039	CLEAVER-BROOKS BOILERS (3)		
<b>Emission Limit</b>		<b>Pollutant</b>	
300.000	PPMV	Dry Basis; Corrected to 3% O2	CO
30.000	PPMV	Dry Basis; Corrected to 3% O2; When Consuming Natural Gas	NOX
90.000	PPMV	Dry Basis; Corrected to 3% O2; When Consuming No. 2 Fuel Oil	NOX
0.400	Lbs/MMBTU	Heat Input	TSP
101B	EMERGENCY GENERATOR SET WITH PRESUMPTIVE RACT ENGINE		
<b>Emission Limit</b>		<b>Pollutant</b>	
500.000	PPMV	Dry Basis; From the Engine	SOX
0.040	gr/DRY FT3	From the Engine	TSP
101C	EMERGENCY GENERATOR SETS WITH PLAN APPR-EXEMPT ENGINES (4)		
<b>Emission Limit</b>		<b>Pollutant</b>	
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
2.750	Tons/OZNESEAS	From the Plan Approval-Exempt Engines of Source IDs 101C and 101D	NOX
6.600	Tons/Yr	12-Month Rolling Sum, Calculated Monthly; From the Plan Approval-Exempt Engines of Source IDs 101C and 101D	NOX
100.000	Lbs/Hr	From the Plan Approval-Exempt Engines of Source IDs 101C and 101D	NOX
1,000.000	Lbs/Day	From the Plan Approval-Exempt Engines of Source IDs 101C and 101D	NOX
3.000	GRAMS/HP-Hr	Brake-Specific; From Each Plan Approval-Exempt Engine	NOx+NMHC
4.000	GRAMS/KW-Hr	Brake-Specific; From Each Plan Approval-Exempt Engine	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 GENSETS W/ PLAN APPR-EXEMPT ENGINES (3)		
<b>Emission Limit</b>		<b>Pollutant</b>	
2.600	GRAMS/HP-Hr	Brake-Specific; From the Plan Approval-Exempt Engine Located at Building #12	CO
3.500	GRAMS/KW-Hr	Brake-Specific; From the Plan Approval-Exempt Engine Located at Building #12	CO
8.500	GRAMS/HP-Hr	Brake-Specific; From the Plan Approval-Exempt Engine Located at Building #21	CO
11.400	GRAMS/KW-Hr	Brake-Specific; From the Plan Approval-Exempt Engine Located at Building #21	CO
1.000	GRAMS/HP-Hr	Brake-Specific; From the Plan Approval-Exempt Engine Located at Building #21	Hydrocarbon
1.300	GRAMS/KW-Hr	Brake-Specific; From the Plan Approval-Exempt Engine Located at Building #21	Hydrocarbon
2.750	Tons/OZNESEAS	From the Plan Approval-Exempt Engines of	NOX

**SECTION G. Emission Restriction Summary.**

Source Id	Source Descriptor		
	Source IDs 101C and 101D		
6.600	Tons/Yr	12-Month Rolling Sum, Calculated Monthly; From the Plan Approval-Exempt Engines of Source IDs 101C and 101D	NOX
6.900	GRAMS/HP-Hr	Brake-Specific; From the Plan Approval- Exempt Engine Located at Building #21	NOX
9.200	GRAMS/KW-Hr	Brake-Specific; From the Plan Approval- Exempt Engine Located at Building #21	NOX
100.000	Lbs/Hr	From the Plan Approval-Exempt Engines of Source IDs 101C and 101D	NOX
1,000.000	Lbs/Day	From the Plan Approval-Exempt Engines of Source IDs 101C and 101D	NOX
3.000	GRAMS/HP-Hr	Brake-Specific; From the Plan Approval- Exempt Engine Located at Building #12	NOx+NMHC
4.000	GRAMS/KW-Hr	Brake-Specific; From the Plan Approval- Exempt Engine Located at Building #12	NOx+NMHC
500.000	PPMV	Dry Basis; From Each of the Plan Approval- Exempt Engines Located at Building #9 and Building #21	SOX
0.040	gr/DRY FT3	From Each of the Plan Approval-Exempt Engines Located at Building #9 and Building #21	TSP
0.150	GRAMS/HP-Hr	Brake-Specific; From the Plan Approval- Exempt Engine Located at Building #12	TSP
0.200	GRAMS/KW-Hr	Brake-Specific; From the Plan Approval- Exempt Engine Located at Building #12	TSP
0.400	GRAMS/HP-Hr	Brake-Specific; From the Plan Approval- Exempt Engine Located at Building #21	TSP
0.540	GRAMS/KW-Hr	Brake-Specific; From the Plan Approval- Exempt Engine Located at Building #21	TSP

**Site Emission Restriction Summary**

Emission Limit	Pollutant	
25.000 Tons/Yr	Less Than; 12-Month Rolling Sum, Calculated Monthly	NOX

**SECTION H. Miscellaneous.**

(a) The following previously-issued documents serve as the basis for certain terms and conditions set forth in this permit:

- (1) Operating Permit No. 46-0060.
- (2) General Plan Approval and General Operating Permit (BAQ-GPA/GP-1) No. GP1-46-0235.
- (3) RFD No. 1104.
- (4) RFD No. 1671.
- (5) RFD No. 2279.
- (6) RFD No. 5313.

(b) The following sources have been determined by the Department to be insignificant sources of air contaminant emissions and, therefore, do not require additional restrictions, monitoring, or recordkeeping. They are still subject to any applicable federal, state, and local laws and regulations, including those indicated in Section C, of this permit:

- (1) A 2,000-gal gasoline AST.
- (2) Maintenance and upkeep activities, including those associated with the facility-wide gasoline dispensing operation.

(c) This permit (APS ID 345935, Auth ID 1045935) is a renewal of Title V Operating Permit No. 46-00060, which was originally issued on September 14, 1998 (APS ID 345935, Auth ID 354741), previously amended on August 13, 2003 (APS ID 345935, Auth ID 482839), and November 7, 2013 (APS ID 345935, Auth ID 992395), and previously renewed on July 22, 2004 (APS ID 345935, Auth ID 538315), November 12, 2009 (APS ID 345935, Auth ID 745922), and June 4, 2015 (APS ID 345935, Auth ID 1045935). The following is a listing of the changes reflected in this permit:

(1) The responsible official and permit contact person, as indicated on the cover page of the previously-renewed permit (same location in this permit), have been changed to William J. Bogari, Jr., Chief Operating Officer, (610) 313-1019, wbogari@pa.gov.

(2) The source names for the following source grouping, fuel material locations, fuel material location grouping, and emission point groupings, as indicated in Sections A, D, and F, of the previously-renewed permit (Sections A, D, and G, of this permit), where applicable, have been changed ([deleted from source name], <added to source name>):

Source ID	Source Name
101B	Emergency Generator Set[s] with Presumptive RACT Engine[s] (7)]
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 <Set> Sub-Base Diesel Fuel Tank[s] (7)]
S03B	Emergency Generator Set[s] with Presumptive RACT Engine Stack[s]
S03C	Emergency Generator Sets with Plan Approval-Exempt Engine<s> Stacks <(4)>

(3) The value for the diesel fuel throughput listing for the presumptive RACT engine(s) of the emergency generator set(s), as indicated in Sections A and D (under Source ID 101B), of the previously-renewed permit (same locations in this permit), has been changed from 8.6 gals/hr to 1.26 gals/hr.

(4) The following source grouping, fuel material locations, and emission point grouping, along with all corresponding throughput listings, permit maps, conditions, and emission restrictions, have been added to Sections A, D, and G, of this permit, where applicable:

Source ID	Source Name
101D	Trailer-Mounted Emergency Generator Sets with Plan Approval-Exempt Engines (3)
FML04H	100-Gal Emergency Generator Set Sub-Base Diesel Fuel Tank
FML04I	546-Gal Emergency Generator Set Sub-Base Diesel Fuel Tank

**SECTION H. Miscellaneous.**

FML04J 340-Gal Emergency Generator Set Sub-Base Diesel Fuel Tank  
S03D Trailer-Mounted Emergency Generator Sets with Plan Approval-Exempt Engines Stacks (3)

(5) The following for Condition # 004, Section B, of the previously-renewed permit (Condition # 005, Section B, of this permit):

(i) A citation to 25 Pa. Code § 127.704(b) has been added.

(ii) A statement that "[t]he fees shall be made payable to 'The Commonwealth of Pennsylvania Clean Air Fund' and submitted with the fee form to the respective regional office" has been added to the end of Sub-condition (b).

(6) Statements that the Department may require the permittee to submit, to EPA electronically, notifications of an application for a significant operating permit modification or minor operating permit modification, or copies of a request for administrative operating permit amendment (as well as the e-mail address and subject line format corresponding to the electronic submittal), have been added to the ends of Condition #s 012–014, Section B, of the previously-renewed permit, respectively (Condition #s 014–016, Section B, of this permit, respectively).

(7) The following for Condition # 016, Section B, of the previously-renewed permit (Condition # 018, Section B, of this permit):

(i) A statement that "[t]he 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" has been added to the end of Sub-condition (a).

(ii) Sub-conditions (e)–(f) have been removed.

(iii) An annual operating permit maintenance fee schedule has been added as Sub-condition (e).

(8) The following for Condition # 020(b), Section B, of the previously-renewed permit (Condition # 022(b), Section B, of this permit):

(i) The EPA address which to submit reports or notifications to EPA has been updated.

(ii) A statement that "[t]he Title V compliance certification shall be emailed to EPA at R3\_APD\_Permits@epa.gov" has been added to the end of the sub-condition.

(9) A statement that "[t]he Title V compliance certification shall be emailed to EPA at R3\_APD\_Permits@epa.gov" has been added to the end of Condition # 024(b), Section B, of the previously-renewed permit (same condition number in this permit).

(10) A statement that the Department may require the permittee to submit, to EPA electronically, copies of permit applications (as well as the e-mail address and subject line format corresponding to the electronic submittal) has been added as Condition # 013, Section B, of this permit.

(11) Requirements that emissions reports contain sufficient information to enable the Department to complete its emission inventory, and be made in a format specified by the Department, have been added as Condition # 032, Section B, of this permit.

(12) Condition # 001, Section C, of the previously-renewed permit, has been moved to Condition # 002, Section B, of this permit.

(13) Condition # 002(g)–(h), Section C, of the previously-renewed permit, has been removed.

(14) An exception from the visible emission restrictions specified in 25 Pa. Code § 123.41 for the operation of equipment used solely to train and test persons in observing the opacity of visible emissions has been added to Condition # 006, Section C, of the previously-renewed permit (Condition # 005, Section C, of this permit), as Sub-condition (b).

(15) Condition # 017, Section C, of the previously-renewed permit (Condition # 016, Section C, of this permit), has been updated to include additional requirements pertaining to malfunctions, as well as new requirements pertaining to emergencies and incidents of excess emissions.

(16) The following for Condition # 018, Section C, of the previously-renewed permit (Condition # 017, Section C, of this permit):

(i) The language of Sub-condition (a) has been updated to indicate that reports shall be submitted to the Department electronically.



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- (ii) Sub-condition (b) has been removed (except that the due dates for the annual certificate of compliance and semi-annual deviation report have been incorporated into Sub-conditions (a)(1)–(2), respectively).
- (17) Condition # 019, Section C, of the previously-renewed permit, has been moved to Condition # 031, Section B, of this permit.
- (18) The language of Condition # 020, Section C, of the previously-renewed permit (Condition # 018, Section C, of this permit) has been revised to refer to NO<sub>x</sub> and VOC emissions only.
- (19) The citation for Condition # 021, Section C, of the previously-renewed permit (Condition # 019, Section C, of this permit), has been changed from 25 Pa. Code § 123.1 to 25 Pa. Code § 127.441 (with an additional authority citation to 25 Pa. Code § 123.1(c)).
- (20) The sulfur content restriction for the No. 2 fuel oil consumed by the boilers, as indicated in Condition # 004(b), Section D (under Source ID 039), of the previously-renewed permit (same condition number in this permit), has been changed from 0.2%, by weight, before July 1, 2016, and 0.05%, by weight, on or after July 1, 2016, to 15 ppm, by weight (0.0015%, by weight).
- (21) Condition # 005, Section D (under Source ID 039), of the previously-renewed permit, has been removed.
- (22) The following for Condition # 006, Section D (under Source ID 039), of the previously-renewed permit (Condition # 005, Section D (under Source ID 039), of this permit):
- (i) Additional authority citations to 40 CFR §§ 60.42(h)(1) and 60.43c(c)–(d) have been added to the beginning of the condition.
  - (ii) The language of Sub-condition (b) has been changed such that the waiver of testing requirements for a shipment of No. 2 fuel oil consumed by the boilers applies when the other certification from the fuel supplier includes the information specified in Condition # 009, Section D (under Source ID 039), of this permit, not only the maximum sulfur content of the No. 2 fuel oil.
- (23) Requirements to maintain records of all maintenance, and adjustments and tuneups, performed on each of the boilers have been added as Condition # 010(a)–(b), Section D (under Source ID 039), of this permit, respectively.
- (24) The following for Condition # 012, Section D (under Source ID 039), of the previously-renewed permit (same condition number in this permit):
- (i) The language of the first sentence has been updated to indicate that reports shall be submitted to both EPA and the Department electronically.
  - (ii) The reporting periods indicated in Sub-conditions (a)(1)–(2) for the excess emissions and fuel supplier certification reports, respectively, have been removed (incorporated into Sub-condition (a)).
  - (iii) Sub-condition (b) has been removed (except that the due dates for the reports have been incorporated into Sub-condition (a)).
  - (iv) A requirement to submit the reports in accordance with Condition # 022(a)–(b), Section B, of this permit, has been added as Sub-condition (b).
- (25) A requirement to perform an adjustment or tuneup on each of the boilers has been added as Condition # 014, Section D (under Source ID 039), of this permit.
- (26) The language of Condition # 015, Section D (under Source ID 039), of the previously-renewed permit (Condition # 016, Section D (under Source ID 039), of this permit), has been updated to indicate that copies of all requests, reports, applications, submittals, and other communications for the boilers that are required to be submitted pursuant to any applicable provision of 40 CFR Part 60, Subpart Dc, are to be submitted in accordance with Condition # 022(a)–(b), Section B, of this permit.
- (27) A SO<sub>x</sub> emission concentration restriction of 500 ppmv, dry basis, for the presumptive RACT engine of the emergency generator set has been added as Condition # 002, Section D (under Source ID 101B), of this permit, and to Section G (under Source ID 101B), of this permit.
- (28) Condition # 002(b), Section D (under Source ID 101B), of the previously-renewed permit, has been removed.
- (29) The following for Condition # 003, Section D (under Source ID 101B), of the previously-renewed permit (Condition # 004,

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Section D (under Source ID 101B), of this permit):

(i) An additional authority citation to 40 CFR § 63.6640(f)(1)–(2) and (4)(ii)(A)–(E) has been added to the beginning of the condition.

(ii) The following for Sub-condition (b):

(A) The language of Sub-condition (b)(2) has been changed to prohibit all demand response operations (including emergency demand response) by the emergency generator set with presumptive RACT engine.

(B) The following for Sub-conditions (b)(3)–(4):

(I) They have been merged (reorganized as Sub-condition (b)(3)).

(II) A footnote that "[o]n September 23, 2015, the U.S. Court of Appeals for the District of Columbia Circuit granted EPA's motion for voluntary remand without vacatur of the provisions of 40 CFR § 63.6640(f)(4)(ii)(A)–(E), which are the basis of the requirements indicated in (b)(3)(i)–(v), above" has been added.

(III) Conditions permitting the generation of income by supplying power as part of a financial arrangement with another entity have been added as Sub-condition (b)(3)(i)–(v).

(ii) Sub-conditions (c)(1)–(2) and (d)(3) have been removed.

(iii) A statement that "[c]ompliance with this permit condition assures that the engine is considered an emergency engine in accordance with, and is not subject to the provisions of, 40 CFR Part 63, Subpart ZZZZ, as vacated in part on May 1, 2015, by the U.S. Court of Appeals for the District of Columbia Circuit" has been added to the end of the condition.

(30) The language of Condition # 004(b), Section D (under Source ID 101B), of the previously-renewed permit (Condition # 005(b), Section D (under Source ID 101B), of this permit), has been changed such that the waiver of testing requirements for a shipment of diesel fuel consumed by the presumptive RACT engine of the emergency generator set applies when the other certification from the fuel supplier includes the information specified in Condition # 007, Section D (under Source ID 101B), of the previously-renewed permit (Condition # 009, Section D (under Source ID 101B), of this permit).

(31) Requirements to calculate and maintain records of the NO<sub>x</sub> emissions from the presumptive RACT engine of the emergency generator set have been added as Condition #s 007 and 011, Section D (under Source ID 101B), of this permit, respectively.

(32) A requirement to maintain records of all maintenance performed on the emergency generator set with presumptive RACT engine has been added as Condition # 010, Section D (under Source ID 101B), of this permit.

(33) The source description for the emergency generator sets with presumptive RACT engines, as indicated in Condition # 008, Section D (under Source ID 101B), of the previously-renewed permit (Condition # 012, Section D (under Source ID 101B), of this permit), has been updated to reflect the current number of such emergency generator sets (one).

(34) The language of Condition # 001, Section D (under Source ID 101C), of the previously-renewed permit (Condition # 002, Section D (under Source ID 101C), of this permit), has been changed such that the NO<sub>x</sub> emission rate restrictions also apply to the plan approval-exempt engines of the trailer-mounted emergency generator sets (Source ID 101D).

(35) The citation to 40 CFR § 89.112(a), Table 1, in the streamlining language at the end of Condition # 002, Section D (under Source ID 101C), of the previously-renewed permit (Condition # 001, Section D (under Source ID 101C), of this permit), has been changed to a citation to 40 CFR Part 1039, Appendix I, Table 3.

(36) The following for Condition # 004, Section D (under Source ID 101C), of the previously-renewed permit (same condition number in this permit):

(i) Additional authority citations to 40 CFR §§ 63.6585(f)(3) and 63.6640(f)(1)–(2) and (4)(ii)(A)–(E), and 25 Pa. Code § 127.35(b), have been added to the beginning of the condition.

(ii) The following for Sub-condition (b):

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(A) The language of Sub-condition (b)(2) has been changed to prohibit all demand response operations (including emergency demand response) by each of the emergency generator sets with plan approval-exempt engines.

(B) The following for Sub-conditions (b)(3)–(4):

(I) They have been merged (reorganized as Sub-condition (b)(3)).

(II) A footnote that "[o]n September 23, 2015, the U.S. Court of Appeals for the District of Columbia Circuit granted EPA's motion for voluntary remand without vacatur of the provisions of 40 CFR §§ 60.4211(f)(3)(i)(A)–(E) and 63.6640(f)(4)(ii)(A)–(E), which are the basis of the requirements indicated in (b)(3)(i)–(v), above" has been added.

(III) Conditions permitting the generation of income by supplying power as part of a financial arrangement with another entity have been added as Sub-condition (b)(3)(i)–(v).

(ii) Sub-conditions (c)(2)–(3) have been removed.

(iii) A statement that "[c]ompliance with this permit condition assures that each of the engines is considered an emergency engine in accordance with the provisions of 40 CFR Part 60, Subpart IIII, and 40 CFR Part 63, Subpart ZZZZ, as vacated in part on May 1, 2015, by the U.S. Court of Appeals for the District of Columbia Circuit, and that the plan approval-exempt engine of the emergency generator set located at Building #9 is not subject to the provisions of 40 CFR Part 63, Subpart ZZZZ" has been added to the end of the condition.

(37) The language of Condition # 005(b), Section D (under Source ID 101C), of the previously-renewed permit (same condition number in this permit), has been changed such that the waiver of testing requirements for a shipment of diesel fuel consumed by the plan approval-exempt engines of the emergency generator sets applies when the other certification from the fuel supplier includes the information specified in Condition # 009, Section D (under Source ID 101C), of the previously-renewed permit (same condition number in this permit).

(38) Condition # 013, Section D (under Source ID 101C), of the previously-renewed permit, has been removed.

(39) The following for Condition # 017, Section D (under Source ID 101C), of the previously-renewed permit (Condition # 016, Section D (under Source ID 101C), of this permit):

(i) The footnote has been removed.

(ii) The language has been updated to indicate that copies of all requests, reports, applications, submittals, and other communications for the emergency generator sets with plan approval-exempt engines that are required to be submitted pursuant to any applicable provision of 40 CFR Part 60, Subpart IIII, are to be submitted in accordance with Condition # 022(a)–(b), Section B, of this permit.

(40) A separate section for source group restrictions has been added as Section E, of this permit.

(41) The language of the notes for the NO<sub>x</sub> emission rate restrictions for the plan approval-exempt engines of the emergency generator sets, as indicated in Section F (under Source ID 101C), of the previously-renewed permit (Section G (under Source ID 101C), of this permit), has been changed such that the restrictions also apply to the plan approval-exempt engines of the trailer-mounted emergency generator sets (Source ID 101D).



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

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