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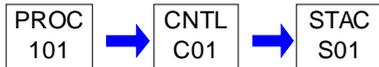
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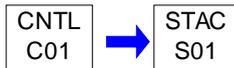
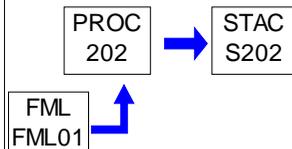
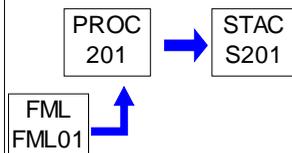
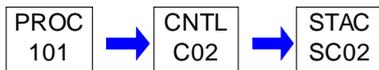
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**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
101	TOTEM ROAD PUMP STATION II	0.010 Lbs/HR	HYDROGEN SULFIDE
201	BACKUP EMERGENCY GENERATOR 1	109.400 Gal/HR	Diesel Fuel
202	BACKUP EMERGENCY GENERATOR 2	109.400 Gal/HR	Diesel Fuel
C01	ODOR SCUBBER	N/A	
C02	BIOAIR DUAL-STAGE FILTER	N/A	
FML01	DIESEL FUEL STORAGE TANK		
S01	PUMPING STATION SCRUBBER EMISSIONS		
S201	BACKUP EMERGENCY GENERATOR 1 STACK		
S202	BACKUP EMERGENCY GENERATOR 2 STACK		
SC02	BIOAIR EMISSIONS		

PERMIT MAPS

Alternative Operation:



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

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

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

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

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

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

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

- (a) The permittee shall pay the annual operating permit maintenance fee according to the following fee schedule in either paragraph (1) or (2) in accordance with 25 Pa. Code § 127.703(d) on or before December 31 of each year for the next calendar year.
- (1) For a synthetic minor facility, a fee equal to:
- (i) Four thousand dollars (\$4,000) for calendar years 2021—2025.
 - (ii) Five thousand dollars (\$5,000) for calendar years 2026—2030.
 - (iii) Six thousand three hundred dollars (\$6,300) for the calendar years beginning with 2031.
- (2) For a facility that is not a synthetic minor, a fee equal to:

**SECTION B. General State Only Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

- (1) Enforcement action

**SECTION B. General State Only Requirements**

(2) Permit termination, revocation and reissuance or modification

(3) Denial of a permit renewal application

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

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

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

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

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

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

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

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

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

(1) The permittee constructs or operates the source subject to the operating permit so that it is in violation of the Air Pollution Control Act, the Clean Air Act, the regulations thereunder, a plan approval, a permit or in a manner that causes air pollution.

(2) The permittee fails to properly or adequately maintain or repair an air pollution control device or equipment attached to or otherwise made a part of the source.

(3) The permittee has failed to submit a report required by the operating permit or an applicable regulation.

(4) The EPA determines that the permit is not in compliance with the Clean Air Act or the regulations thereunder.

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

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

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

**SECTION B. General State Only Requirements**

precluded by the Clean Air Act or its regulations.

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

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

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

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

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

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

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

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

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

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

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

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

(2) One ton of NO_x from a single source during the term of the permit and 5 tons of NO_x 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 PM₁₀ from a single source during the term of the permit and 3.0 tons of PM₁₀ at the facility during the term of the permit. This shall include emissions of a pollutant regulated under Section 112 of the Clean Air Act unless precluded by the Clean Air Act, the regulations thereunder or 25 Pa. Code Article III.

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

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

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

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

**SECTION B. General State Only Requirements**

- (2) Combustion units rated at 2,500,000 or less Btu per hour of heat input.
- (3) Combustion units with a rated capacity of less than 10,000,000 Btu per hour heat input fueled by natural gas supplied by a public utility or by commercial fuel oils which are No. 2 or lighter, viscosity less than or equal to 5.82 c St, and which meet the sulfur content requirements of 25 Pa. Code §123.22 (relating to combustion units). For purposes of this permit, commercial fuel oil shall be virgin oil which has no reprocessed, recycled or waste material added.
- (4) Space heaters which heat by direct heat transfer.
- (5) Laboratory equipment used exclusively for chemical or physical analysis.
- (6) Other sources and classes of sources determined to be of minor significance by the Department.
- (e) This permit does not authorize de minimis emission increases if the emissions increase would cause one or more of the following:
- (1) Increase the emissions of a pollutant regulated under Section 112 of the Clean Air Act except as authorized in Subparagraphs (c)(4) and (5) of this permit condition.
- (2) Subject the facility to the prevention of significant deterioration requirements in 25 Pa. Code Chapter 127, Subchapter D and/or the new source review requirements in Subchapter E.
- (3) Violate any applicable requirement of this permit, the Air Pollution Control Act, the Clean Air Act, or the regulations promulgated under either of the acts.
- (f) Emissions authorized under this permit condition shall be included in the monitoring, recordkeeping and reporting requirements of this permit.
- (g) Except for de minimis emission increases, installation of minor sources made pursuant to this permit condition and Plan Approval Exemptions under 25 Pa. Code § 127.14 (relating to exemptions), the permittee is prohibited from making changes or engaging in activities that are not specifically authorized under this permit without first applying for a plan approval. In accordance with § 127.14(b), a plan approval is not required for the construction, modification, reactivation, or installation of the sources creating the de minimis emissions increase.
- (h) The permittee may not meet de minimis emission threshold levels by offsetting emission increases or decreases at the same source.

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

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

- (1) Section 127.14 (relating to exemptions)
- (2) Section 127.447 (relating to alternative operating scenarios)
- (3) Section 127.448 (relating to emissions trading at facilities with Federally enforceable emissions caps)
- (4) Section 127.449 (relating to de minimis emission increases)
- (5) Section 127.450 (relating to administrative operating permit amendments)
- (6) Section 127.462 (relating to minor operating permit modifications)
- (7) Subchapter H (relating to general plan approvals and general operating permits)

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

- (a) The permittee may not reactivate a source that has been out of operation or production for at least one year unless the reactivation is conducted in accordance with a plan approval granted by the Department or in accordance with reactivation and maintenance plans developed and approved by the Department in accordance with 25 Pa. Code § 127.11a(a).
- (b) A source which has been out of operation or production for more than five (5) years but less than 10 years may be reactivated and will not be considered a new source if the permittee satisfies the conditions specified in 25 Pa. Code § 127.11a(b).

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

- (a) When needed to protect public health, welfare and the environment from emissions of hazardous air pollutants from new and existing sources, the permittee shall comply with the health risk-based emission standards or operating practice requirements imposed by the Department, except as precluded by §§ 6.6(d)(2) and (3) of the Air Pollution Control Act [35 P.S. § 4006.6(d)(2) and (3)].
- (b) A person challenging a performance or emission standard established by the Department has the burden to demonstrate that performance or emission standard does not meet the requirements of Section 112 of the Clean Air Act.

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

No person may permit the use of a device, stack height which exceeds good engineering practice stack height, dispersion technique or other technique which, without resulting in reduction of the total amount of air contaminants emitted, conceals or dilutes an emission of air contaminants which would otherwise be in violation of 25 Pa. Code Article III, except that with prior approval of the Department, the device or technique may be used for control of malodors.

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

- (a) The permittee shall comply with the applicable reporting requirements of the Clean Air Act, the regulations thereunder, the Air Pollution Control Act and 25 Pa. Code Article III including Chapters 127, 135 and 139.
- (b) The permittee shall submit reports to the Department containing information the Department may prescribe relative to the operation and maintenance of any air contamination source.
- (c) Reports, test data, monitoring data, notifications and requests for renewal of the permit shall be submitted to the:
- Regional Air Program Manager
PA Department of Environmental Protection
(At the address given in the permit transmittal letter, or otherwise notified)
- (d) Any records or information including applications, forms, or reports submitted pursuant to this permit condition shall contain a certification by a responsible official as to truth, accuracy and completeness. The certifications submitted under this permit shall require a responsible official of the facility to certify that based on information and belief formed after reasonable inquiry, the statements and information in the documents are true, accurate and complete.
- (e) Any records, reports or information submitted to the Department shall be available to the public except for such records, reports or information which meet the confidentiality requirements of § 4013.2 of the Air Pollution Control Act and §§ 112(d) and 114(c) of the Clean Air Act. The permittee may not request a claim of confidentiality for any emissions data generated for the facility.

**SECTION B. General State Only Requirements****#019 [25 Pa. Code §§ 127.441(c) & 135.5]****Sampling, Testing and Monitoring Procedures.**

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

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

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

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

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

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

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

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

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

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

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

#023 [25 Pa. Code § 121.7]**Prohibition of Air Pollution**

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

**SECTION B. General State Only Requirements****#024 [25 Pa. Code §135.3]****Reporting**

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

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

#025 [25 Pa. Code §135.4]**Report Format**

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

**SECTION C. Site Level Requirements****I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §121.7]****Prohibition of air pollution.**

No person may permit air pollution as that term is defined in the Air Pollution Control Act (35 P.S. Section 4003).

002 [25 Pa. Code §123.1]**Prohibition of certain fugitive emissions**

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

- (1) Construction or demolition of buildings or structures.
- (2) Grading, paving and maintenance of roads and streets.
- (3) Use of roads and streets. Emissions from material in or on trucks, railroad cars and other vehicular equipment are not considered as emissions from use of roads and streets.
- (4) Clearing of land.
- (5) Stockpiling of materials.
- (6) Open burning operations, as specified in 25 Pa. Code § 129.14.
- (7) N/A
- (8) N/A
- (9) Sources and classes of sources other than those identified in (1)-(8) of this condition, for which the permittee has obtained a determination from the Department that fugitive emissions from the source, after appropriate control, meet the following requirements:
 - (i) The emissions are of minor significance with respect to causing air pollution; and
 - (ii) The emissions are not preventing or interfering with the attainment or maintenance of any ambient air quality standard.

003 [25 Pa. Code §123.2]**Fugitive particulate matter**

A person may not permit fugitive particulate matter to be emitted into the outdoor atmosphere from a source specified in 25 Pa. Code § 123.1(a) (relating to prohibition of certain fugitive emissions) if such emissions are visible at the point the emissions pass outside the person's property.

004 [25 Pa. Code §123.31]**Limitations**

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

005 [25 Pa. Code §123.41]**Limitations**

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

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

**SECTION C. Site Level Requirements****# 006 [25 Pa. Code §123.42]****Exceptions**

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

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

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

Facility-wide emissions include emissions from the source(s) listed in this operating permit/plan approval, all sources listed in Section A of the facility-wide operating permit No. 09-00108, as well as miscellaneous sources exempt from plan approval requirements which are listed in Section H of the facility-wide operating permit No. 00108.

008 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall ensure that the total nitrogen oxide (NOx) emissions from the facility shall not exceed 24.9 tons per year as a 12-month rolling sum.

009 [25 Pa. Code §129.14]**Open burning operations**

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

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

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

- (a) If at any time the Department has cause to believe that air contaminant emissions from any source(s) may be in excess of the limitations specified in this Permit, or established pursuant to, any applicable rule or regulation contained in 25 Pa. Code Article III, the permittee shall be required to conduct whatever tests deemed necessary by the Department to determine the actual emission rate(s).
- (b) Such testing shall be conducted in accordance with the provisions of 25 Pa. Code Chapter 139, the most current version of the DEP Source Testing Manual, and the EPA Clean Air Act National Stack Testing Guidance, when applicable,

**SECTION C. Site Level Requirements**

and in accordance with any restrictions or limitations established by the Department at such time as it notifies the permittee that testing is required.

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

(a) The permittee shall email all source test submissions (notifications, protocols, reports, supplemental information, etc.) to both the AQ Program Manager for the Southeast Regional Office and the PSIMS Administrator in Central Office (email addresses are provided below). Any questions or concerns about source testing submissions can be sent to RA-EPstacktesting@pa.gov and the PSIMS Administrator will address them.

Southeast Region
RA-EPSEstacktesting@pa.gov

Central Office
RA-EPstacktesting@pa.gov

(b) The following pertinent information shall be listed on the title page.

1. Test Date(s)

- a. For protocols, provide the proposed date on which testing will commence or "TBD"
- b. For reports, provide the first and last day of testing

2. Facility Identification Number (Facility - ID): For test programs that were conducted under a multi-site protocol, also include the PF ID under which the protocol was stored in PSIMS, as indicated in the protocol response letter.

3. Source ID(s) for the applicable source(s) and air pollution control device(s): The term Source ID is used in the permit but "Other Id" is used in DEP electronic systems. They are the same number and must also be listed for control equipment

4. Testing Requirements (all that apply)

- a. Plan approval number(s)
- b. Operating permit number
- c. Applicable federal subpart(s) (i.e. 40 C.F.R. 60, Subpart JJJJ)
- d. Special purpose(s) (Consent Order, RFD, RACT, Tier II, etc.)

(c) If confidential information must be submitted, submit both a public copy, which has been redacted, and a confidential copy. The cover page of each submittal should state whether it is a "Public Copy" or "Confidential Copy" and each page of the latter must be marked "CONFIDENTIAL".

III. MONITORING REQUIREMENTS.**# 012 [25 Pa. Code §123.43]****Measuring techniques**

Visible emissions may be measured using either of the following:

- (a) A device approved by the Department and maintained to provide accurate opacity measurements.
- (b) Observers, trained and qualified to measure plume opacity with the naked eye or with the aid of any devices approved by the Department.
- (c) As an alternative to paragraph (b), the permittee may use qualified plant personnel to observe such visible emissions. The permittee shall report each incident to the Department within four (4) hours of the occurrence and arrange for a certified observer to read the visible emissions.

**SECTION C. Site Level Requirements****# 013 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

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

- (1) odors which may be objectionable (as per 25 Pa. Code §123.31);
- (2) visible emissions (as per 25 Pa. Code §§123.41 and 123.42); and
- (3) fugitive particulate matter (as per 25 Pa. Code §§ 123.1 and 123.2).

(b) Objectionable odors, fugitive particulate emissions, and visible emissions that are caused or may be caused by operations at the site shall:

- (1) be investigated;
- (2) be reported to the facility management, or individual(s) designated by the permittee;
- (3) have appropriate corrective action taken (for emissions that originate on-site); and
- (4) be recorded in a permanent written log.

(c) After six (6) months of daily monitoring, and upon the permittee's request accompanied with six (6) months of monitoring records, the Department will review and determine the feasibility of decreasing the monitoring frequency to w(c) After six (6) months of daily monitoring, and upon the permittee's request accompanied with six (6) months of monitoring records, the Department will review and determine the feasibility of decreasing the monitoring frequency to weekly.

(d) After six (6) months of weekly monitoring, and upon the permittee's request accompanied with six (6) months of monitoring records, the Department will review and 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 compliance certification (if applicable), complaints, monitoring results, and/or Department findings.

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

The permittee shall monitor the total nitrogen oxide (NO_x) emissions from the facility on a monthly basis and as a twelve (12) month rolling sum.

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

The permittee shall ensure that all records, reports, and analysis results generated in compliance with the requirements of any section of this permit shall be maintained in accordance with General State Only Requirement #020(b) and shall be made available to the Department upon written or verbal request within a reasonable time.

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

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

- (a) Date, time, and location of the incident(s).
- (b) The cause of the event.
- (c) The corrective action taken, if necessary, to abate the situation and prevent future occurrences.

The permittee may maintain these records electronically in a format approved by the Department.

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

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

**SECTION C. Site Level Requirements**

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

018 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall calculate and maintain records of the total NOx emissions from the facility on a monthly basis and as a twelve (12) month rolling sum.

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

(a) The permittee shall report malfunctions, emergencies or incidents of excess emissions to DEP's 24-hour Emergency Hotline at 800.541.2050. A malfunction is any sudden, infrequent, and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner. An emergency is any situation arising from sudden and reasonably unforeseeable events beyond the control of the owner or operator of a facility which requires immediate corrective action to restore normal operation and which causes the emission source to exceed emissions, due to unavoidable increases in emissions attributable to the situation. An emergency shall not include situations caused by improperly designed equipment, lack of preventive maintenance, careless or improper operation, or operator error.

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

(c) The report shall describe the following:

- (1) Name, permit or authorization number, and location of the facility;
- (2) Nature and cause of the malfunction, emergency or incident;
- (3) Date and time when the malfunction, emergency or incident was first observed;
- (4) Expected duration of excess emissions;
- (5) Estimated rate of emissions; and
- (6) Corrective actions or preventative measures taken.

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

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

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

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

**SECTION C. Site Level Requirements****# 020 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

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

- (a) If required by Section 112(r) of the Clean Air Act, the permittee shall develop and implement an accidental release program consistent with requirements of the Clean Air Act, 40 C.F.R. Part 68 (relating to chemical accident prevention provisions) and the Federal Chemical Safety Information, Site Security and Fuels Regulatory Relief Act (P.L. 106-40).
- (b) The permittee shall prepare and implement a Risk Management Plan (RMP) which meets the requirements of Section 112(r) of the Clean Air Act, 40 C.F.R. Part 68 and the Federal Chemical Safety Information, Site Security and Fuels Regulatory Relief Act when a regulated substance listed in 40 C.F.R. § 68.130 is present in a process in more than the threshold quantity at a facility. The permittee shall submit the RMP to the federal Environmental Protection Agency according to the following schedule and requirements:
- (1) The permittee shall submit the first RMP to a central point specified by EPA no later than the latest of the following:
 - (i) Three years after the date on which a regulated substance is first listed under 40 C.F.R. § 68.130; or,
 - (ii) The date on which a regulated substance is first present above a threshold quantity in a process.
 - (2) The permittee shall submit any additional relevant information requested by the Department or EPA concerning the RMP and shall make subsequent submissions of RMPs in accordance with 40 C.F.R. § 68.190.
 - (3) The permittee shall certify that the RMP is accurate and complete in accordance with the requirements of 40 C.F.R. Part 68, including a checklist addressing the required elements of a complete RMP.
- (c) As used in this permit condition, the term "process" shall be as defined in 40 C.F.R. § 68.3. The term "process" means any activity involving a regulated substance including any use, storage, manufacturing, handling, or on-site movement of such substances or any combination of these activities. For purposes of this definition, any group of vessels that are interconnected, or separate vessels that are located such that a regulated substance could be involved in a potential release, shall be considered a single process.
- (d) If this facility is subject to 40 C.F.R. Part 68, as part of the certification required under this permit, the permittee shall:
- (1) Submit a compliance schedule for satisfying the requirements of 40 C.F.R. Part 68 by the date specified in 40 C.F.R. § 68.10(a); or,
 - (2) Certify that this facility is in compliance with all requirements of 40 C.F.R. Part 68 including the registration and submission of the RMP.
- (e) If this facility is subject to 40 C.F.R. Part 68, the permittee shall maintain records supporting the implementation of an accidental release program for five (5) years in accordance with 40 C.F.R. § 68.200.
- (f) When this facility is subject to the accidental release program requirements of Section 112(r) of the Clean Air Act and 40 C.F.R. Part 68, appropriate enforcement action will be taken by the Department if the permittee fails to register and submit the RMP or a revised plan pursuant to 40 C.F.R. Part 68.

VI. WORK PRACTICE REQUIREMENTS.**# 021 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

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

- (a) Use, where possible, of water or suitable chemicals, as approved by the Department, for control of dust in the demolition of buildings or structures, construction operations, the grading of roads, or the clearing of land.

**SECTION C. Site Level Requirements**

(b) Application of asphalt, water, or other suitable chemicals, as approved by the Department, on dirt roads, material stockpiles and other surfaces which may give rise to airborne dusts.

(c) Paving and maintenance of roadways.

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

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

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

023 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

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

024 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

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

VII. ADDITIONAL REQUIREMENTS.**# 025 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4200]****Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines Am I subject to this subpart?**

(a) The provisions of this subpart are applicable to the owners and operators of stationary compression ignition (CI) internal combustion engines (ICE) that commenced construction after July 11, 2005, where the stationary CI ICE was manufactured after April 1, 2006 and are not fire pumps.

(b) The two (2) 2,220 -bhp, diesel fuel-fired engines powering the Backup Emergency Generators (Source ID(s): 201 and 202) are subject to this subpart and must comply with the EPA Tier pollutant emission standards for nonroad CI engines.

VIII. COMPLIANCE CERTIFICATION.

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

IX. COMPLIANCE SCHEDULE.

No compliance milestones exist.

**SECTION D. Source Level Requirements**

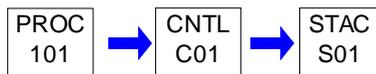
Source ID: 101

Source Name: TOTEM ROAD PUMP STATION II

Source Capacity/Throughput:

0.010 Lbs/HR

HYDROGEN SULFIDE



This source occurs in alternate operation TEMPORARY ODOR CONTROL

I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.**# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall monitor the sewage flow for the Totem Road Pump Station II (Source ID: 101) on a daily basis.

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

The permittee shall:

(a) maintain daily records of the sewage flow for the Totem Road Pump Station II (Source ID: 101).

(b) maintain records of all Totem Road Pump Station (Source ID: 101) and Odor Scrubber (Source ID: C01) shutdowns as well as the duration of the shutdowns and the corrective actions taken.

(c) maintain records of the monthly inspections of the Totem Road Pump Station (Source ID: 101) and the Odor Scrubber (Source ID: C01).

V. REPORTING REQUIREMENTS.

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

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

(a) The permittee shall ensure the Odor Scrubber (Source ID: C01) is operating at all times when the Totem Road Pump Station II (Source ID: 101) is operating, except during the shutdown of the Odor Scrubber for maintenance.

(b) The permittee shall conduct maintenance inspections of the Totem Road Pump Station II (Source ID: 101) on monthly basis.

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

The BCWSA Totem Road Pump Station II is a sanitary municipal sewage pump station with a rated capacity of sixty (60) million gallons per day.



SECTION D. Source Level Requirements

Source ID: 201 Source Name: BACKUP EMERGENCY GENERATOR 1
Source Capacity/Throughput: 109.400 Gal/HR Diesel Fuel

Conditions for this source occur in the following groups: GRP 1



I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

**# 001 [25 Pa. Code §127.441]
Operating permit terms and conditions.**

Backup Emergency Generator 1 (Source ID: 201) is manufactured by Onan, Inc., model no. 1500 DQGAB, and is powered by a V-16, 4-cycle, turbocharged, low temperature aftercooled, diesel fuel-fired, 2,205-bhp engine (full standby mode), manufactured by Cummins Inc., Model no. QSK50-G4 NR2, Serial No. 33176371. The Cummins engine is Tier 2 certified (EPA Family 8CEXL050.AAD).



SECTION D. Source Level Requirements

Source ID: 202 Source Name: BACKUP EMERGENCY GENERATOR 2
Source Capacity/Throughput: 109.400 Gal/HR Diesel Fuel

Conditions for this source occur in the following groups: GRP 1



I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

**# 001 [25 Pa. Code §127.441]
Operating permit terms and conditions.**

Backup Emergency Generator 2 (Source ID: 202) is manufactured by Onan, Inc., model no. 1500 DQGAB, and is powered by a V-16, 4-cycle, turbocharged, low temperature aftercooled, diesel fuel-fired, 2,205-bhp engine (full standby mode), manufactured by Cummins Inc., model no. QSK50-G4 NR2, Serial No. 33176225. The Cummins engine is Tier 2 certified (EPA Family 8CEXL050.AAD).

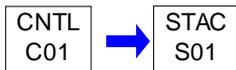
**SECTION D. Source Level Requirements**

Source ID: C01

Source Name: ODOR SCUBBER

Source Capacity/Throughput:

N/A



This source occurs in alternate operation TEMPORARY ODOR CONTROL

I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.**# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall monitor the following parameters for the Odor Scrubber (Source ID: C01) on a daily basis:

- (a) the pressure drop across the scrubber.
- (b) the liquor flow rate.
- (c) the pH of the scrubber recycle water.

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

The permittee shall monitor the hydrogen sulfide (HS) emissions from the Odor Scrubber (Source ID: C01) on a monthly basis.

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

The permittee shall maintain records of the following parameters for the Odor Scrubber (Source ID: C01) on a daily basis:

- (a) pressure drop readings.
- (b) the liquor flow rate.
- (c) pH readings of the scrubber recycle water.

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

The permittee shall calculate and maintain records of the hydrogen sulfide (HS) emission estimates from the Odor Scrubber (Source ID: C01) on a monthly basis.

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

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

VI. WORK PRACTICE REQUIREMENTS.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall ensure:

- (a) the Odor Scrubber (Source ID: C01) be equipped with a pressure drop gauge.
- (b) a minimum pressure drop across the scrubber of 1.0" water gauge (w.g.) and a maximum pressure drop of 6.0" w.g.
- (c) the pH of the scrubber recycle water be maintained in the range of 7.5 and 8.3. A pH meter shall be available to monitor pH levels at all times.
- (d) a scrubber make-up solution be supplied in response to pH demand. The solution shall be pre-mixed in a NaOCl/NaOH ratio of 6.57 to 2.35.
- (e) the liquor flow rate to the scrubber shall be maintained at a minimum 60 gallons per minute (gpm)

VII. ADDITIONAL REQUIREMENTS.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The Odor Scrubber (Source ID: C01) is a packed tower wet air scrubber manufactured by Duall Industries.

**SECTION D. Source Level Requirements**

Source ID: C02

Source Name: BIOAIR DUAL-STAGE FILTER

Source Capacity/Throughput:

N/A

This source occurs in alternate operation TEMPORARY ODOR CONTROL

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

Only synthetic, structured high-porosity biological media shall be used in the biological stage.

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

The permittee shall ensure the biofilter system is operated so that the post-control Total Reduced Sulfur (TRS) emissions are <0.50 ppmv or so that the TRS removal efficiency is greater than or equal to 99.0%.

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

The permittee shall ensure the biofilter system is operated so that there are no malodors beyond the property line at any time.

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

The pressure drop across the biological media stage shall not exceed 3.0 in. w.c.

The pressure drop across the carbon adsorption stage shall not exceed 6.0 in. w.c.

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

(a) The permittee shall perform a stack test using DEP-approved procedures, to show compliance with the emission limits set for Source ID C02. The Source testing shall be performed within 180 days after final construction and installation, initial startup and venting of all emissions from Source ID 101 to Source C02. Source testing shall be performed for the following pollutant: Total Reduced Sulfur (TRS) < 0.5 ppmv, or 99 % removal efficiency. Performance tests shall be conducted while the source is operating at maximum routine operating conditions or under such other conditions, within the capacity of the equipment, as may be requested by DEP.

(b) The stack test shall, at a minimum, test for Total Reduced Sulfur (TRS). Tests shall be conducted in accordance with the provisions of 40 C.F.R. 60, Appendix A-6, Method 16 or other Department approved methodology and 25 Pa. Code Chapter 139. Tests shall also be conducted in accordance with the provisions of the current version of the DEP Source Testing Manual and the EPA Clean Air Act National Stack Testing Guidance.

(c) At least ninety (90) days prior to the test, the permittee shall submit to DEP for approval the procedures for the test and a sketch with dimensions indicating the location of sampling ports and other data to ensure the collection of representative samples.

(d) At least thirty (30) days prior to the test, the Regional Air Quality Manager, shall be informed of the date and time of the test.

(e) Within sixty (60) days after the source test(s) (unless a more stringent regulatory requirement applies), an electronic copy

**SECTION D. Source Level Requirements**

of the complete test report, including all operating conditions, shall be submitted to the Regional Air Quality Manager for approval.

(f) In the event that any of the above deadlines cannot be met, the permittee may request an extension for the due date(s) in writing and include a justification for the extension. DEP may grant an extension for a reasonable cause.

III. MONITORING REQUIREMENTS.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall monitor the following parameters for Source ID C02, on a daily basis:

- (a) The pressure drop across the biological and carbon adsorption stages;
- (b) System air flow or fan operating status;
- (c) Outlet H₂S concentration.

If the outlet H₂S exceeds 0.50 ppm or the differential pressure falls outside the manufacturer's recommended range, the permittee shall investigate the cause and initiate corrective actions, which may include adjustment of irrigation rate, media replacement or system maintenance.

IV. RECORDKEEPING REQUIREMENTS.

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain records of the following parameters:

- (a) The pressure drop across the biological and carbon adsorption stages;
- (b) System airflow;
- (c) Outlet H₂S concentration.

008 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(1) The permittee shall record the date, time, and reason the filter was being bypassed.

(2) The permittee shall keep records of any maintenance performed on biofilter to include a description of the maintenance and the date performed.

009 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall maintain records demonstrating that only synthetic structured high-porosity biological media is used in the biological stage of the biofilter system. Records shall include manufacturer's specifications or purchase receipts indicating media type, material composition and installation dates.

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

010 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(1) The permittee shall operate and maintain the biofilter in accordance with manufacturer's recommendation or developed by the permittee and approved by DEP.

(2) The permittee shall ensure that the biofilter and related instrumentation are operated and maintained in a manner

**SECTION D. Source Level Requirements**

consistent with good operating and maintenance practices, in accordance with good air pollution control practices and in accordance with manufacturer's specifications.

(3) The carbon media used in the carbon adsorption stage shall be replaced, regenerated or otherwise serviced prior to breakthrough. as indicated by monitoring data or manufacturer's recommendation, or when outlet H₂S concentration exceeds 0.50 ppm, confirmed by two consecutive measurements as measured at the sample port between the biological and carbon stages, whichever occurs first.

(4) The permittee shall implement a preventive maintenance program for the biofilter, including inspection and servicing of the fan. Pumps, spray header media and control, in accordance with manufacturers recommendation, inspection frequencies, maintenance procedures and corrective action procedures. The maintenance plan shall be maintained on site and include the following parameters, at minimum:

System description and flow diagram.

Normal operating ranges for key parameters.

Startup and shutdown procedures.

Inspection and maintenance procedures; and new line corrective actions for abnormal operating conditions

(5) The permittee shall minimize odors emissions during startup shutdown maintenance and malfunction of the odor control system.

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

This source consists of the following:

- (1) One dual technology vessel containing both bio-trickling filter and carbon polishing stages.
- (2) Maximum head lost across the synthetic media bed: 3.0 inches water column (w.c.) at 4000 acfm.
- (3) Carbon polishing media shall consist of a 50/50 blend of the following two carbon types:

Carbon Type 1 (50% of total carbon volume)

- a. Pelletized carbon, normal 4M diameter.
- b. Apparent density: 0.5 g/mL.
- c. Moisture as packed: 5% maximum.
- d. Bald- pan hardness: 85 minimum.
- e. Minimum age 2 S capacity: 0.2 g/mL.

Carbon Type 2 (50% of total carbon volume)

- a. Granular activated carbon, mesh size 4 by 8.
- b. 90% minimum between 4 and 8 mesh.
- c. Greater than 4 (4.75mm): 10% minimum.
- d. Less than 8 mesh: 5% maximum.
- e. Apparent density: 0.47 - 0.50 g/mL.
- f. Hardness: 98% minimum.
- g. CCL₄ activity: 60% minimum

(6) The unit is designed to ensure that following parameters are met:

(1) Biological Stage:

- a. For inlet H₂S concentrations between 0-50 parts per million by volume (ppmv): outlet H₂S concentration shall be < 0.5 ppmv.
- b. For inlet H₂S concentrations between >50 ppmv: H₂S removal efficiency shall be = 99%.

(2) Overall System (average between both stages):

- a. For inlet H₂S concentrations between 0-10 ppmv: outlet H₂S concentration shall be < 0.05 ppmv.

**SECTION D. Source Level Requirements**

(7) The control system will be equipped with one (1) fan with the following minimum specifications:

a. Forced air flow: 4000 CFM.

(8) The irrigation system be a once-through system.

**SECTION E. Source Group Restrictions.**

Group Name: GRP 1

Group Description: Diesel Generators

Sources included in this group

ID	Name
201	BACKUP EMERGENCY GENERATOR 1
202	BACKUP EMERGENCY GENERATOR 2

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

No person may permit the emission into the outdoor atmosphere of particulate matter from this source in excess of 0.04 grains per dry standard cubic foot, pursuant to 25 Pa. Code § 123.13(c)(1)(i).

002 [25 Pa. Code §123.21]**General**

No person may permit the emission into the outdoor atmosphere of sulfur oxides from this source in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 ppmvd.

[Compliance with condition is assured with the use of diesel fuel meeting the standards of 40 C.F.R. §1090.305.]

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

(a) The permittee shall ensure that the Backup Emergency Generators (Source IDs 201 and 202) shall not exceed with the following combined NO_x emission limits while operating:

- (1) 100 lbs/hr
- (2) 1,000 lbs/day
- (3) 2.75 tons per ozone season
- (4) 6.6 tons per year on a 12-month rolling basis

(b) The emission limit of this condition is an aggregate NO_x emissions restriction that applies to all exempt engines on site.

Fuel Restriction(s).**# 004 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4207]****Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What fuel requirements must I meet if I am an owner or operator of a stationary CI internal combustion engine subject to**

[Additional authority for this permit condition is also derived from 25 Pa. Code Chapter 122 and 40 C.F.R. § 1090.305.]

The permittee shall use diesel fuel that meets the following requirements, on a per-gallon standards:

- (a) Sulfur content: 15 ppm maximum.
- (b) Cetane index or aromatic content, as follows:
 - (1) A minimum cetane index of 40; or
 - (2) A maximum aromatic content of 35 volume percent.

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

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

The permittee shall ensure that the Backup Emergency Generators (Source ID: 201 and 202) shall not operate more than 200 hour per year per generator (400 hours per year total).

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

The owner or operator of an emergency stationary ICE shall operate the emergency stationary ICE according to the requirements in the following paragraphs (1) and (2). In order for the engine to be considered an emergency stationary ICE under 40 C.F.R. Part 60, Subpart III, any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations for 50 hours per year, as described in the following paragraphs (1) and (2) is prohibited. If the engine is not operated according to the requirements in the following paragraphs (1) and (2), the engine will not be considered an emergency engine under this subpart and must meet all requirements for nonemergency engines.

(1) There is no time limit on the use of emergency stationary ICE in emergency situations.

(2) The emergency stationary ICE may be operated for the purpose specified in paragraph (2)(i) for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by paragraph (3) counts as part of the 100 hours per calendar year allowed by this paragraph (2).

(i) Emergency stationary ICE may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that federal, state, or local standards require maintenance and testing of emergency ICE beyond 100 hours per calendar year.

(3) Emergency stationary ICE may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing provided in paragraph (2). Except as provided in paragraph (3)(i), the 50 hours per calendar year for non-emergency situations cannot be used for peak shaving or non emergency demand response, or to generate income for a facility to an electric grid or otherwise supply power as part of a financial arrangement with another entity.

(i) The 50 hours per year for non-emergency situations can be used to supply power as part of a financial arrangement with another entity if all of the following are met.

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

(B) 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.

(C) The dispatch follows reliability, emergency operation or similar protocols that follow specific NERC, regional, state, public utility commission or local standards or guidelines.

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

(E) The owner or operator 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 engine owner or operator.

II. TESTING REQUIREMENTS.

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

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

The permittee shall:

**SECTION E. Source Group Restrictions.**

- (a) monitor the combined NOx emissions from the Backup Emergency Generators (Source ID(s): 201 and 202) on a monthly basis and as a 12-month rolling sum.
- (b) monitor the sulfur content and the cetane index or aromatic content, by volume, of the diesel fuel purchased on an "as delivered" basis.
- (c) monitor the hours of operation for the Backup Emergency Generators (Source ID(s): 201 and 202) on a monthly basis and as a 12-month rolling sum.

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

The permittee shall:

- (a) calculate and maintain records of the combined NOx emissions from the Backup Emergency Generators (Source ID(s): 201 and 202) on a monthly basis and as a 12-month rolling sum.
- (b) maintain records of the sulfur content, by weight, and the cetane index or aromatic content, by volume, of the fuel purchased for the Backup Emergency Generators (Source ID(s): 201 and 202) on an "as delivered" basis.
- (c) maintain records of the hours of operation for the Backup Emergency Generators (Source ID(s): 201 and 202) on a monthly basis and as a 12-month rolling sum. The records shall designate hours of operation for both "emergency" and "non-emergency" usage.

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

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

V. REPORTING REQUIREMENTS.**# 010 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4214]****Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What are my notification, reporting, and recordkeeping requirements if I am an owner or operator of a stationary CI internal combustion engine?**

(A) The owner or operator of an emergency stationary CI ICE with a maximum engine power more than 100 HP (75 kW) that operates for the purpose specified in 40 C.F.R. § 60.4211(f)(3)(i), must submit an annual report according to the requirements in paragraphs A (1) through (3).

(1) The report must contain the following information:

- (i) Company name and address where the engine is located.
- (ii) Date of the report and beginning and ending dates of the reporting period.
- (iii) Engine site rating and model year.
- (iv) Latitude and longitude of the engine in decimal degrees reported to the fifth decimal place.
- (v) Hours spent for operation for the purposes specified in 40 C.F.R. § 60.4211(f)(3)(i), including the date, start time, and end time for engine operation for the purposes specified in 40 C.F.R. § 60.4211(f)(3)(i). The report must also identify the entity that dispatched the engine and the situation that necessitated the dispatch of the engine.

(2) Annual reports for each calendar year must be submitted no later than March 31 of the following calendar year.

(3) The annual report must be submitted electronically using the subpart specific reporting form in the Compliance and Emissions Data Reporting Interface (CEDRI) that is accessed through EPA's Central Data Exchange (CDX)

**SECTION E. Source Group Restrictions.**

(<https://cdx.epa.gov/>). However, if the reporting form specific to this subpart is not available in CEDRI at the time that the report is due, the written report must be submitted to the Administrator at the appropriate address listed in 40 C.F.R. § 60.4. The permittee shall, submit annual report electronically according to paragraph (B).

(B) The permittee shall submit notifications or reports to the EPA via the Compliance and Emissions Data Reporting Interface (CEDRI), which can be accessed through the EPA's Central Data Exchange (CDX) (<https://cdx.epa.gov/>). The EPA will make all the information submitted through CEDRI available to the public without further notice. The permittee shall not use CEDRI to submit information claimed as CBI. To assert a claim of CBI for some of the information in the report or notification, the permittee shall submit a complete file in the format specified by 40 C.F.R. Part 60, Subpart III, including information claimed to be CBI, to the EPA following the procedures in paragraphs (B)(1) and (2) of this section. Clearly mark the part or all of the information that you claim to be CBI. Information not marked as CBI may be authorized for public release without prior notice. Information marked as CBI will not be disclosed except in accordance with procedures set forth in 40 C.F.R. Part 2. All CBI claims must be asserted at the time of submission. Anything submitted using CEDRI cannot later be claimed CBI. Furthermore, under CAA section 114(c), emissions data is not entitled to confidential treatment, and the EPA is required to make emissions data available to the public. Thus, emissions data will not be protected as CBI and will be made publicly available. The permittee shall submit the same file submitted to the CBI office with the CBI omitted to the EPA via the EPA's CDX as described earlier in this paragraph (B).

(1) The preferred method to receive CBI is for it to be transmitted electronically using email attachments, File Transfer Protocol, or other online file sharing services. Electronic submissions must be transmitted directly to the OAQPS CBI Office at the email address oaqpscbi@epa.gov, and as described in paragraph (D), should include clear CBI markings. ERT files should be flagged to the attention of the Group Leader, Measurement Policy Group; all other files should be flagged to the attention of the Stationary Compression Ignition Internal Combustion Engine Sector Lead. If assistance is needed with submitting large electronic files that exceed the file size limit for email attachments. The permittee may email oaqpscbi@epa.gov to request a file transfer link if the permittee does not have their own file sharing service.

(2) If the permittee cannot transmit the file electronically, the permittee may send CBI information through the postal service to the following address: OAQPS Document Control Officer (C404-02), OAQPS, U.S. Environmental Protection Agency, 109 T.W. Alexander Drive, P.O. Box 12055, Research Triangle Park, North Carolina 27711. ERT files should be sent to the attention of the Group Leader, Measurement Policy Group, and all other files should be sent to the attention of the Stationary Compression Ignition Internal Combustion Engine Sector Lead. The mailed CBI material should be double wrapped and clearly marked. Any CBI markings should not show through the outer envelope.

(C) The permittee may assert a claim of EPA system outage for failure to timely comply with that reporting requirement. To assert a claim of EPA system outage, you the permittee must meet the requirements outlined in paragraphs (C)(1) through (7).

(1) The permittee must have been or will be precluded from accessing CEDRI and submitting a required report within the time prescribed due to an outage of either the EPA's CEDRI or CDX systems.

(2) The outage must have occurred within the period of time beginning five business days prior to the date that the submission is due.

(3) The outage may be planned or unplanned.

(4) The permittee shall submit notification to the Administrator in writing as soon as possible following the date you first knew, or through due diligence should have known, that the event may cause or has caused a delay in reporting.

(5) The permittee shall provide to the Administrator a written description identifying:

(i) The date(s) and time(s) when CDX or CEDRI was accessed, and the system was unavailable;

(ii) A rationale for attributing the delay in reporting beyond the regulatory deadline to EPA system outage;

(iii) A description of measures taken or to be taken to minimize the delay in reporting; and

(iv) The date by which the permittee proposes to report, or if the permittee have already met the reporting requirement at the

**SECTION E. Source Group Restrictions.**

time of the notification, the date the permittee reported.

(6) The decision to accept the claim of EPA system outage and allow an extension to the reporting deadline is solely within the discretion of the Administrator.

(7) In any circumstance, the report must be submitted electronically as soon as possible after the outage is resolved.

(D) The permittee may assert a claim of force majeure for failure to timely comply with that reporting requirement. To assert a claim of force majeure, the permittee must meet the requirements outlined in paragraphs (D)(1) through (5) of this section.

(1) The permittee may submit a claim if a force majeure event is about to occur, occurs, or has occurred or there are lingering effects from such an event within the period of time beginning five business days prior to the date the submission is due. For the purposes of this section, a force majeure event is defined as an event that will be or has been caused by circumstances beyond the control of the affected facility, its contractors, or any entity controlled by the affected facility that prevents the permittee from complying with the requirement to submit a report electronically within the time period prescribed. Examples of such events are acts of nature (e.g., hurricanes, earthquakes, or floods), acts of war or terrorism, or equipment failure or safety hazard beyond the control of the affected facility (e.g., large scale power outage).

(2) The permittee shall submit notification to the Administrator in writing as soon as possible following the date the permittee first knew, or through due diligence should have known, that the event may cause or has caused a delay in reporting.

(3) The permittee shall provide to the Administrator:

(i) A written description of the force majeure event;

(ii) A rationale for attributing the delay in reporting beyond the regulatory deadline to the force majeure event;

(iii) A description of measures taken or to be taken to minimize the delay in reporting; and

(iv) The date by which the permittee proposes to report, or if the permittee have already met the reporting requirement at the time of the notification, the date the permittee reported.

(4) The decision to accept the claim of force majeure and allow an extension to the reporting deadline is solely within the discretion of the Administrator.

(5) In any circumstance, the reporting must occur as soon as possible after the force majeure event occurs.

(E) Any records submitted electronically via the EPA's CEDRI may be maintained in electronic format. This ability to maintain electronic copies does not affect the requirement for facilities to make records, data, and reports available upon request to a delegated air agency or the EPA as part of an on-site compliance evaluation.

VI. WORK PRACTICE REQUIREMENTS.**# 011 [25 Pa. Code §129.203]****Stationary internal combustion engines.**

(a) The owner or operator of a stationary internal combustion engine rated at greater than 1,000 horsepower and located in Bucks, Chester, Delaware, Montgomery or Philadelphia County shall comply with this section and 25 Pa. Code § 129.204 (relating to emission accountability). This section does not apply to naval marine combustion units operated by the United States Navy for the purposes of testing and operational training or to stationary internal combustion engines regulated under Chapter 145, Subchapter B (relating to emissions of NOx from stationary internal combustion engines).

(b) By October 31st and each year thereafter, the owner or operator of the stationary internal combustion engine shall calculate the difference between the actual emissions from the unit during the period from May 1st through September 30th and the allowable emissions for that period.

**SECTION E. Source Group Restrictions.**

(c) The owner or operator shall calculate allowable emissions by multiplying the cumulative hours of operations for the unit for the period by the horsepower rating of the unit and by the applicable emission rate.

(1) For a compression ignition (CI) stationary internal combustion engine (ICE) firing diesel fuel or a combination of diesel fuel and natural gas, 2.3 grams of NO_x per brake horsepower-hour.

(d) Emissions from a stationary internal combustion engine that has been or is replaced by an electric motor may be counted as allowable emissions for purposes of this section and 25 Pa. Code § 129.204, as follows:

(1) For a replaced compression ignition stationary internal combustion engine that fired diesel fuel or a combination of diesel fuel and natural gas, 2.3 grams of NO_x per brake horsepower-hour, less 1.5 pounds of NO_x per MWH of electricity consumed by the replacement motor.

012 [25 Pa. Code §129.204]**Emission accountability.**

(a) This section applies to the owner or operator of sources described in 25 Pa. Code § 129.203 (relating to stationary internal combustion engines) shall determine actual emissions in accordance with one of the following:

(1) If the owner or operator of the unit is not required to monitor NO_x emissions with a CEMS, one of the following shall be used to determine actual emissions NO_x:

(i) The 1-year average emission rate calculated from the most recent permit emission limit compliance demonstration test data for NO_x.

(ii) The maximum hourly allowable NO_x emission rate contained in the permit or the higher of the following:

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

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

(iii) An alternate calculation and recordkeeping procedure based upon emissions testing and correlations with operating parameters. The operator of the unit shall demonstrate that the alternate procedure does not underestimate actual emissions throughout the allowable range of operating conditions. In regard to obtaining the Department's approval for an alternate calculation method and recordkeeping procedure for actual emissions, the owner or operator may request an adjustment to the allowable emissions calculations set forth in 25 Pa. Code §§ 129.201--129.203. An allowable emission adjustment may not overestimate a unit's allowable emissions and must be based upon the parameters and procedures proposed in the alternate calculation method for actual emissions. The alternate calculation and recordkeeping procedures must be approved by the Department, in writing, prior to implementation.

(b) The owner or operator of a unit subject to this section shall surrender to the Department one CAIR NO_x allowance and one CAIR NO_x Ozone Season allowance, as defined in 40 CFR 96.102 and 96.302 (relating to definitions), for each ton of NO_x by which the combined actual emissions exceed the allowable emissions of the units subject to this section at a facility from May 1 through September 30. The surrendered allowances shall be of current year vintage. For the purpose of determining the amount of allowances to surrender, any remaining fraction of a ton equal to or greater than 0.50 ton is deemed to equal 1 ton and any fraction of a ton less than 0.50 ton is deemed to equal zero tons.

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

(d) By November 1, and each year thereafter, an owner or operator of a unit subject to this section shall surrender the required NO_x allowances to the Department's designated NO_x allowance tracking system account and provide to the Department, in writing, the following:

(1) The serial number of each NO_x allowance surrendered.

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(2) The calculations used to determine the quantity of NOx allowances required to be surrendered.

(e) If an owner or operator fails to comply with paragraph (d), the owner or operator shall by December 31 surrender three (3) NOx allowances of the current or later year vintage for each NOx allowance that was required to be surrendered by November 1 of that year.

(g) The surrender of NOx allowances under paragraph (e) does not affect the liability of the owner or operator of the unit for any fine, penalty or assessment, or an obligation to comply with any other remedy for the same violation, under the CAA or the act.

(1) For purposes of determining the number of days of violation, if a facility has excess emissions for the period May 1 through September 30, each day in that period (153 days) constitutes a day in violation unless the owner or operator of the unit demonstrates that a lesser number of days should be considered.

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

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

013 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4200]

Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

Am I subject to this subpart?

(a) The permittee shall operate the emergency stationary R.I.C.E. according to the requirements in the most recent version of 40 C.F.R. § 60.4211(f).

(b) If the permittee does not operate the engine according to the requirements of 40 C.F.R. § 60.4211(f), the engine will not be considered an emergency engine under 40 C.F.R. Part 60, Subpart IIII and must meet all requirements for nonemergency engines.

014 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4211]

Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

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

(a) The permittee shall comply with the following:

(1) Operate and maintain the stationary CI internal combustion engine and control device according to the manufacturer's emission-related written instructions;

(2) Change only those emission-related settings that are permitted by the manufacturer; and

(3) Meet the requirements of 40 C.F.R. Part 1068, as they apply to you.

**SECTION E. Source Group Restrictions.****VII. ADDITIONAL REQUIREMENTS.****# 015 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from 25 Pa. Code § 127.14(a)(8).]

The Backup Emergency Generators (Source ID(s): 201 and 202) were exempted from plan approval construction and installation requirement as sources in the following classification:

"(6). Internal combustion engines regardless of size, with combined actual NO_x emissions less than 100 lbs/hr, 1000 lbs/day, 2.75 tons per ozone season and 6.6 tons per year on a 12-month rolling basis for all exempt engines at the site."

016 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4202]**Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What emission standards must I meet for emergency engines if I am a stationary CI internal combustion engine manufacturer?**

Stationary CI ICE with a maximum engine power greater than or equal to 37 KW (50 HP), must comply with the certification emission standards for new nonroad CI engines for the same model year and maximum engine power in 40 C.F.R. Part 1039, Appendix I, for all pollutants beginning in model year 2007.

017 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4205]**Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What emission standards must I meet for emergency engines if I am an owner or operator of a stationary CI internal combustion engine?**

[Additional authority for this permit condition is also derived from 25 Pa. Code Chapter 122 and 40 C.F.R. § 60.4202.]

The permittee shall comply with the following emission standards according to 40 C.F.R. § 60.4205(b):

- a) Non-methane Hydrocarbons (NMHC) + Nitrogen Oxides (NO_x) - 6.4 g/kW-hr (4.8 g/HP-hr),
- (b) Carbon Monoxide (CO) - 3.5 g/kW-hr (2.6 g/HP-hr); and
- (c) Particulate Matter (PM) - 0.2 g/kW-hr (0.15 g/HP-hr).

[Derived from Table 2 to Appendix I - Tier 2 Emissions Standards of 40 C.F.R. Part 1039, for engines with rated power kW > 560, 2007 model year and later emergency stationary, nonroad CI ICE with a displacement of less than 30 liters per cylinder that are not fire pump engines.]

018 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4206]**Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****How long must I meet the emission standards if I am an owner or operator of a stationary CI internal combustion engine?**

The permittee shall operate and maintain each stationary CI ICE that achieve the emission standards as required in 40 C.F.R. § 60.4205 over the entire life of the engine.

019 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4209]**Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What are the monitoring requirements if I am an owner or operator of a stationary CI internal combustion engine?**

The owner or operator of an emergency stationary CI internal combustion engine that does not meet the standards applicable to non-emergency engines must install a non-resettable hour meter on the engine.

020 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4211]**Subpart III - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What are my compliance requirements if I am an owner or operator of a stationary CI internal combustion engine?**

If the permittee does not install, configure, operate, and maintain the engine and control device according to the manufacturer's emission-related written instructions, or change emission-related settings in a way that is not permitted by the manufacturer, the permittee shall demonstrate compliance as follows:

The permittee shall keep a maintenance plan and records of conducted maintenance and must, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions. In addition, the permittee shall conduct an initial performance test to demonstrate compliance with the applicable emission

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standards within 1 year of startup, or within 1 year after an engine and control device is no longer installed, configured, operated, and maintained in accordance with the manufacturer's emission-related written instructions, or within 1 year after you change emission-related settings in a way that is not permitted by the manufacturer. The permittee shall conduct subsequent performance testing every 8,760 hours of engine operation or 3 years, whichever comes first, thereafter, to demonstrate compliance with the applicable emission standards.

021 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4214]**Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines****What are my notification, reporting, and recordkeeping requirements if I am an owner or operator of a stationary CI internal combustion engine?**

(a) For an emergency engine which does not meet the standards applicable to non-emergency engines, the owner or operator shall keep records of the operation of the engine in emergency and non-emergency service that are recorded through the non-resettable hour meter.

(b) The owner must record the time of operation of the engine and the reason the engine was in operation during that time.

022 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6590]**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What parts of my plant does this subpart cover?**

The facility is subject to the requirements of 40 C.F.R. Part 63, Subpart ZZZZ. However, the permittee shall meet the requirements of 40 C.F.R. Part 63, Subpart ZZZZ by meeting the requirements of 40 C.F.R. Part, 60 subpart IIII.

**SECTION F. Alternative Operation Requirements.**

Alternative Operation Name: TEMPORARY ODOR CONTROL

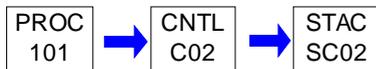
#001 CHANGES FROM NORMAL OPERATION

To control odor and H₂S emissions during construction and installation of the bio-trickling filter (Source C02) and the permanent removal of the existing scrubber (Source C01), the facility is authorized to install a temporary system. The temporary system shall consist of a trailer-mounted activated carbon adsorber odor control system. Once demolition of Source C01 begins, all effluent from Source 101 shall be routed to the temporary adsorber. After installation and construction of Source C02 is complete. And effluent from 101 is routed to C02, the temporary unit shall be permanently removed.

Sources included in this Alternative Operation:

ID	Name	Source Type
101	TOTEM ROAD PUMP STATION II	Process

Alternative Operation Map:

**I. RESTRICTIONS.**

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

**SECTION F. Alternative Operation Requirements.**

Alternative Operation Name: TEMPORARY ODOR CONTROL

#001 CHANGES FROM NORMAL OPERATION

To control odor and H₂S emissions during construction and installation of the bio-trickling filter (Source C02) and the permanent removal of the existing scrubber (Source C01), the facility is authorized to install a temporary system. The temporary system shall consist of a trailer-mounted activated carbon adsorber odor control system. Once demolition of Source C01 begins, all effluent from Source 101 shall be routed to the temporary adsorber. After installation and construction of Source C02 is completed and the effluent from 101 is routed to C02, the temporary unit shall be permanently removed.

The permittee shall complete installation and commence operation of the permanent biofilter system (Source ID C02) within four (4) months of final issuance of the modified operating permit (AUTH ID 1552240). If the permittee cannot complete the installation and operation of Source ID C02, the permittee shall submit a written request to DEP 30 days prior to the deadline. The request for extension shall include justification for the delay and a proposed revised completion schedule.

Sources included in this Alternative Operation:

ID	Name	Source Type
C02	BIOAIR DUAL-STAGE FILTER	Air Pollution Control D

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

The media for the temporary control system shall be virgin pelletized activated carbon made from a coconut shell or bituminous coal base.

The activated carbon shall, at minimum, meet the following parameters:

Butane Activity: = 31.4%

Moisture Content (as packed): =4 wt. %

Hardness Number: = 99

Apparent Density = 0.46 g/ml

Mean Particle Diameter: 4 mm

H₂S Breakthrough Capacity: = 0.04 g H₂S/cc carbon

Operation Hours Restriction(s).**# 002 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The pressure drop across the carbon bed of the temporary carbon adsorber shall not exceed 6 in. w.c.

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

The permittee shall operate and maintain the temporary carbon adsorber to achieve a minimum 99% removal of H₂S or so that outlet H₂S concentration is less than 0.50 ppm, when the unit is operating.

II. TESTING REQUIREMENTS.

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

**SECTION F. Alternative Operation Requirements.****III. MONITORING REQUIREMENTS.****# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall monitor the following:

- (1) The pressure drop across the carbon bed of the temporary carbon adsorber, at least once per operating day, using a differential pressure gauge (Magnehelic or equivalent).
- (2) The system airflow on daily basis, when in operation.
- (3) The outlet H₂S concentration, on a daily basis.

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

The permittee shall maintain the following records daily, when the temporary control system is operational:

- (1) Pressure drop across the carbon bed
- (2) System airflow;
- (3) The outlet H₂S concentration

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

- (1) The permittee shall maintain records of the date of the following activities: maintenance; inspections and corrective actions.
- (2) The permittee shall maintain records of the carbon type, quantity and replacement date.

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

The permittee shall also measure the carbon breakthrough on a weekly basis using a DEP approved H₂S meter. The results shall be kept in a logbook or equivalent.

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

The permittee shall notify DEP of the following:

- a) Within five (5) days of commencement of demolition of Source C01 and
- b) Within five (5) days following final installation and startup of Source ID C02.

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

- (1) Upon initiation of demolition of the existing scrubber (source C01), all odor and H₂S emissions from Source ID 101 shall be routed to the temporary carbon adsorber control system.
- (2) Once construction and installation of Source ID C02 is completed, the permittee shall ensure that all odor and H₂S emissions from Source ID 101 are routed to Source ID C02.
- (3) Once Source ID C01 has been permanently removed, initial startup of Source ID C02 has occurred, and all emissions from Source ID 101 are being vented to Source C02, the permittee all ensure the permanent removal of the temporary carbon adsorber control system.

**SECTION F. Alternative Operation Requirements.****# 010 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

- (1) The temporary control system shall consist of a deep bed activated carbon adsorber vessel constructed of fiberglass reinforce plastic (FRP).
- (2) The permittee shall ensure that there is sufficient activated carbon to fill the reactor vessel to the height of the vessel.

VII. ADDITIONAL REQUIREMENTS.

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

**SECTION F. Alternative Operation Requirements.**

Alternative Operation Name: TEMPORARY ODOR CONTROL

#001 CHANGES FROM NORMAL OPERATION

To control odor and H₂S emissions during construction and installation of the bio-trickling filter (Source C02) and the permanent removal of the existing scrubber (Source C01), the facility is authorized to install a temporary system. The temporary system shall consist of a trailer-mounted activated carbon adsorber odor control system. Once demolition of Source C01 begins, all effluent from Source 101 shall be routed to the temporary adsorber. After installation and construction of Source C02 is complete. And effluent from 101 is routed to C02, the temporary unit shall be permanently removed.

Sources included in this Alternative Operation:

ID	Name	Source Type
C01	ODOR SCUBBER	Air Pollution Control D

I. RESTRICTIONS.

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

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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

**SECTION G. Emission Restriction Summary.**

Source Id	Source Description		
201	BACKUP EMERGENCY GENERATOR 1		
Emission Limit		Pollutant	
2.750	Tons/OZNESEAS	Ozone Season	NOX
6.600	Tons/Yr	12-month rolling sum	NOX
100.000	Lbs/Hr		NOX
1,000.000	Lbs/Day		NOX
500.000	PPMV	dry basis	SOX
0.040	gr/DRY FT3	particulate matter	TSP
202	BACKUP EMERGENCY GENERATOR 2		
Emission Limit		Pollutant	
2.750	Tons/OZNESEAS	Ozone Season	NOX
6.600	Tons/Yr	12-month rolling sum	NOX
100.000	Lbs/Hr		NOX
1,000.000	Lbs/Day		NOX
500.000	PPMV	dry basis	SOX
0.040	gr/DRY FT3	particulate matter	TSP

Site Emission Restriction Summary

Emission Limit			Pollutant
24.900	Tons/Yr	12-month rolling sum	NOX

Alternative Operation Emission Restriction Summary

Source Id	Source Description
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SECTION H. Miscellaneous.

(a) The following previously issued operating permit serves as the basis for certain terms and conditions set forth in this permit: OP-09-399-034.

(b) The State Only Operating Permit 09-00108 (Natural Minor) (APS No.: 346256, AUTH ID: 811991) has been renewed.

(c) The State Only Operating Permit 09-00108 (Synthetic Minor) (APS No.: 346256, AUTH ID: 849237) has been administrately amended to incorporate the General Plan Approval/General Operating Permit No. GP9-09-0021.

(d) The State Only Operating Permit 09-00108 (Synthetic Minor) (APS No.: 346256, AUTH ID: 1059820) has been renewed.

(e) Specifically, for each ozone season beginning after January 1, 2015, the Department intends to accept the surrender of annual and ozone season TR NOx allowances as a compliance alternative to the surrender of annual and ozone season CAIR NOx allowances if the TR allowances are surrendered for compliance purposes in a manner consistent with the surrender provisions for CAIR allowances set forth in the applicable sections specified in this notice. The Department consulted with staff in the United States Environmental Protection Agency (EPA) Region III Office in developing an alternative allowance surrender approach for compliance with the applicable SIP-approved requirements. To this end, the EPA has confirmed, in writing, that TR NOx allowances may be surrendered as set forth in the applicable regulations in 25 Pa. Code Chapters 129 and 145. A detailed notice was published in the PA bulletin on April 4, 2015 [45 Pa.B. 1687].

(f) The State Only Operating Permit 09-00108 (Synthetic Minor) (APS No. 346256, AUTH ID: 1297133) has been renewed.

August 2025

This permit is the SMOP renewal permit (AUTH ID 1514974 APS ID 346256). The following items have been addressed with the issuance of the renewal permit:

The name of the permit contact was updated from Erin Rapp to Erin Schulberger.

The Department has determined that the emissions from the following activities, excluding those indicated as site level requirements, in Section C, of this permit, do not require additional limitations, monitoring, or recordkeeping:

- (1) 10,000-gallons diesel above storage tank (AST)
- (1) 8,500-gallons chemical (sodium hypochlorite) AST
- (1) 8,420-gallons chemical (sodium hypochlorite) AST
- (1) 3,000-gallons chemical (sodium hydroxide) AST

Conditions for Source IDs 201 and 202 now appear in Section E, Group 1.

All references to the engine sizes have been corrected to 2220 BHP. Additionally, the serial numbers and engine certification information for Source IDs 201 and 202 have been added to Section D of the permit.

The following conditions were updated due to amendments to 40 C.F.R. Part 60, Subpart IIII: Section E, Group 1, Conditions #004, #006 and #009.

Condition #021, Section E, Group 1 was added to address compliance with 40 C.F.R. Part 63, Subpart ZZZZ.

Section E, Group 1, Conditions #017 added.

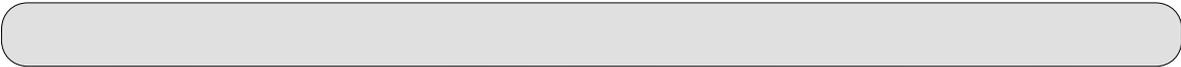
February 2026

Synthetic Operating Permit (TVOP) Minor Modification, AUTH ID 1552240; APS ID 346256; PF ID 510683: This permit action is for the incorporation of changes approved under RFD Requestion for determination (RFD) No. 9230 for the installation of the following: a biofilter (Source C02) for the replacement of Source C02; the installation and temporary operation of a carbon adsorber system to control intended to odor control during the construction and installation of Source C02 and the demolition and permanent removal of Source C01.

All applicable conditions for the operation of the new biofilter have been added to the permit under Source ID C02.

**SECTION H. Miscellaneous.**

An alternative operating scenario was added to address the operation of temporary control unit authorized under RFD 9230. The applicable conditions were added to the permit under Section F, Alternative Operating Requirement to authorize the temporary operation of the trailer mounted carbon adsorber control system.



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