



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

STATE ONLY OPERATING PERMIT

Issue Date: April 6, 2021

Effective Date: May 1, 2021

Expiration Date: April 30, 2026

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

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

State Only Permit No: 46-00033 SOOP

Synthetic Minor

Federal Tax Id - Plant Code: 23-1655318-1

Owner Information

Name: WASTE MGMT DSPL SVC OF PA INC

Mailing Address: 100 BRANDYWINE BLVD STE 300
NEWTOWN, PA 18940-4002

Plant Information

Plant: WASTE MGMT DSPL SVC /POTTSTOWN

Location: 46 Montgomery County 46821 West Pottsgrove Township
SIC Code: 4953 Trans. & Utilities - Refuse Systems

Responsible Official

Name: CHAD MOOSE

Title: DISTRICT MGR

Phone: (215) 269 - 2114

Permit Contact Person

Name: CHAD MOOSE

Title: DISTRICT MGR

Phone: (215) 269 - 2114

[Signature] _____

JAMES D. REBARCHAK, SOUTHEAST REGION AIR PROGRAM MANAGER



SECTION A. Table of Contents

Section A. Facility/Source Identification

Table of Contents
Site Inventory List

Section B. General State Only Requirements

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

Section C. Site Level State Only Requirements

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

Section D. Source Level State Only Requirements

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

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

Section E. Source Group Restrictions

- E-I: Restrictions



SECTION A. Table of Contents

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

Section F. Alternative Operating Scenario(s)

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

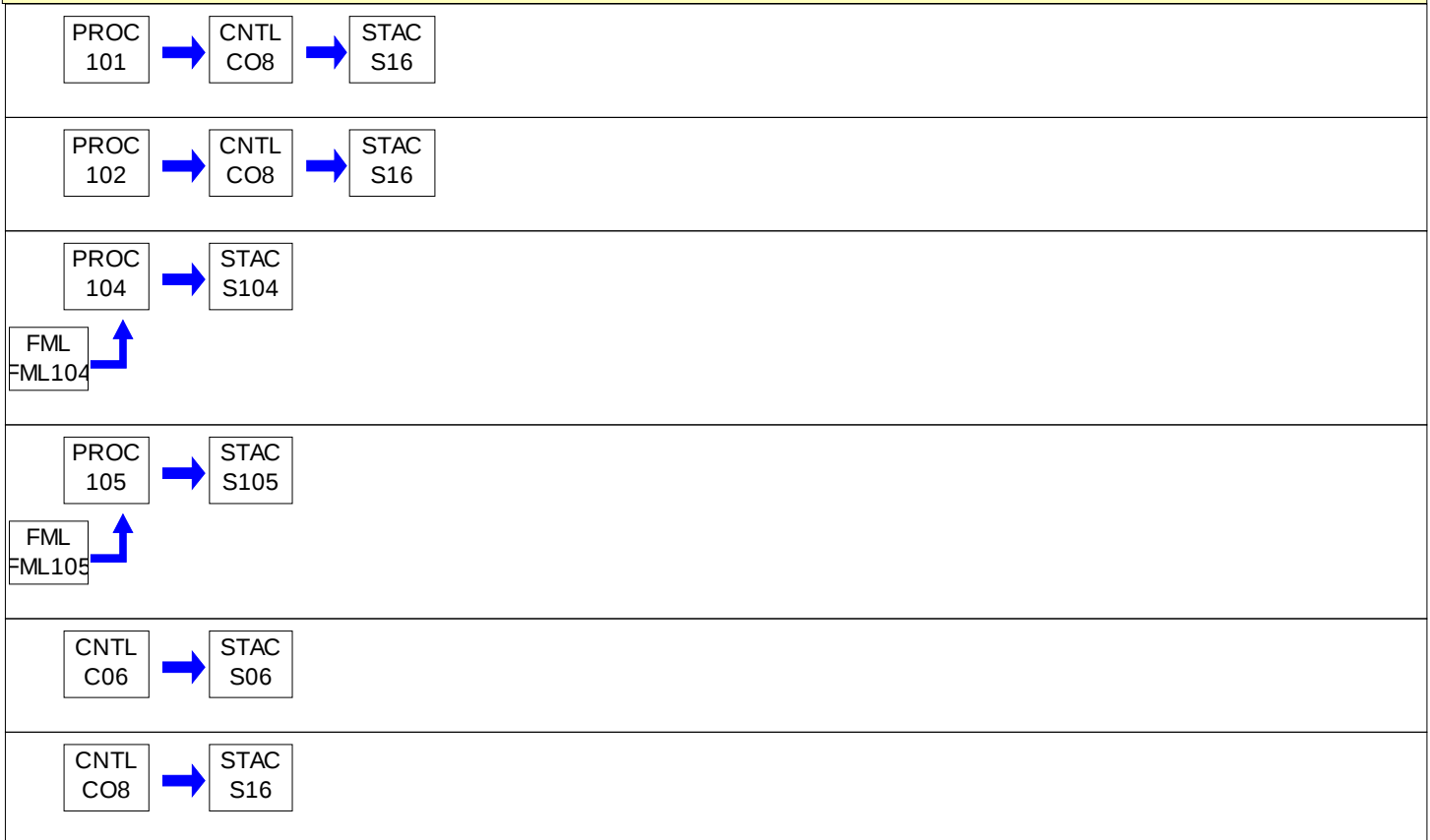
Section G. Emission Restriction Summary

Section H. Miscellaneous

SECTION A. Site Inventory List

Source ID	Source Name	Capacity/Throughput	Fuel/Material
101	LANDFILL WITHOUT EASTERN EXPANSION	N/A	MUNICIPAL SOLID WASTE
102	LANDFILL EASTERN EXPANSION	N/A	MUNICIPAL SOLID WASTE
104	60 KW LEACHATE PLANT EMERGENCY GENERATOR 1	N/A	Diesel Fuel
105	225 KW ENCLOSED FLARE BACKUP EMERGENCY GENERATOR	N/A	Diesel Fuel
C06	CANDLESTICK LANDFILL GAS FLARE #4	N/A	LANDFILL GAS
CO8	ENCLOSED FLARE - EASTERN EXPANSION	N/A	LANDFILL GAS
FML104	DIESEL FUEL FOR 60 KW ER GEN		
FML105	DIESEL FUEL FOR 225 KW ER EGEN		
S06	STACK CANDLESTICK FLARE		
S104	STACK 60 KW ER EGEN		
S105	STACK FOR 225 KW ER EGEN		
S16	EASTERN EXP. FLARE EMISSIONS		

PERMIT MAPS



SECTION B. General State Only Requirements

#001 [25 Pa. Code § 121.1]

Definitions.

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

#002 [25 Pa. Code § 127.446]

Operating Permit Duration.

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

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

Permit Renewal.

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

#004 [25 Pa. Code § 127.703]

Operating Permit Fees under Subchapter I.

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

SECTION B. General State Only Requirements

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

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

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

#005 [25 Pa. Code §§ 127.450 (a)(4) and 127.464]

Transfer of Operating Permits.

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

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

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

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

Inspection and Entry.

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

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

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

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

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

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

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

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

Compliance Requirements.

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

SECTION B. General State Only Requirements

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

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

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

#008 [25 Pa. Code § 127.441]

Need to Halt or Reduce Activity Not a Defense.

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

#009 [25 Pa. Code §§ 127.442(a) & 127.461]

Duty to Provide Information.

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

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

#010 [25 Pa. Code § 127.461]

Revising an Operating Permit for Cause.

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

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

#011 [25 Pa. Code §§ 127.450, 127.462, 127.465 & 127.703]

Operating Permit Modifications

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

SECTION B. General State Only Requirements

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

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

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

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

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

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

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

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

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

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

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

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

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

(2) One ton of NO_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:

SECTION B. General State Only Requirements

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

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

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

- (1) Section 127.14 (relating to exemptions)
- (2) Section 127.447 (relating to alternative operating scenarios)
- (3) Section 127.448 (relating to emissions trading at facilities with Federally enforceable emissions caps)
- (4) Section 127.449 (relating to de minimis emission increases)
- (5) Section 127.450 (relating to administrative operating permit amendments)

SECTION B. General State Only Requirements

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

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

#015 [25 Pa. Code § 127.11]

Reactivation

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

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

#016 [25 Pa. Code § 127.36]

Health Risk-based Emission Standards and Operating Practice Requirements.

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

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

#017 [25 Pa. Code § 121.9]

Circumvention.

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

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

Reporting Requirements.

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

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

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

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

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

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

SECTION B. General State Only Requirements

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Except as authorized elsewhere in this Permit, no person shall 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 shall permit the emission into the outdoor atmosphere of 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) Blasting in open pit mines. Emissions from drilling are not considered as emissions from blasting.
- (8) Coke oven batteries, provided the fugitive air contaminants emitted from any coke oven battery comply with the standards for visible fugitive emissions in § § 123.44 and 129.15 (relating to limitations of visible fugitive air contaminants from operation of any coke oven battery; and coke pushing operations).
- (9) Sources and classes of sources other than those identified in paragraphs (1)-(8), for which the operator 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 shall not permit fugitive particulate matter to be emitted into the outdoor atmosphere from a source specified in 25 Pa. Code § 123.1(a)(1-9), if such emissions are visible at the point the emissions pass outside the person's property.

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

{MALODOR EMISSIONS}

A person shall 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.

SECTION C. Site Level Requirements

005 [25 Pa. Code §123.41]

Limitations

{VISIBLE EMISSIONS}

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

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

(b) Equal to or greater than 60% at any time.

006 [25 Pa. Code §123.42]

Exceptions

{VISIBLE EMISSION EXCEPTIONS}

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

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

(b) When the emission results from the operation of equipment used solely to train and test persons in observing the opacity of visible emissions.

(c) When the emission results from the sources specified in 25 Pa. Code § 123.1(a)(1-9).

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a). The permittee shall limit the total facility wide Carbon Monoxide (CO) emissions to less than 99.9 tons per year calculated on a 12-month rolling sum.

(b). The permittee shall limit the total facility wide Nitrogen Oxide (NOx) emissions to less than 24.9 tons per year calculated on a 12-month rolling sum.

008 [25 Pa. Code §129.14]

Open burning operations

No person shall permit the open burning of material in the Southeast Air Basin, except when the open burning results 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 solely for cooking food.

(d) A fire set solely for recreational or ceremonial purposes.

(e) A fire set for the prevention and control of disease or pests, when approved by the Department.

SECTION C. Site Level Requirements

II. TESTING REQUIREMENTS.

009 [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 may be in excess of the limitations specified in this Permit, or established pursuant to, any applicable rule or regulation contained in 25 Pa. Code Article III, the permittee shall be required to conduct whatever tests are deemed necessary by 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 and the most current version of the DEP Source Testing Manual, when applicable, and in accordance with any restrictions or limitations established by the Department at such time as it notifies the permittee that testing is required.

III. MONITORING REQUIREMENTS.

010 [25 Pa. Code §123.43]

Measuring techniques

Visible emissions shall be measured using either of the following:

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

011 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall monitor and calculate the total facility wide CO and NO_x emissions monthly and on a 12-month rolling sum.

012 [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, the Department will determine the feasibility of decreasing the monitoring frequency to weekly.

(d) After six (6) months of weekly monitoring, and upon the permittee's request, the Department will determine the feasibility of decreasing the frequency of monitoring to monthly.

(e) The Department reserves the right to change the above monitoring requirements at any time, based on but not limited to: the review of the compliance certification (if applicable), complaints, monitoring results, and/or Department findings.

Note: The final permanent cover of the landfill was completed in 2006 and has been inspected by the Department.

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

The permittee shall keep records of the total facility wide CO and NOx emissions monthly and on a 12-month rolling sum.

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

The permittee shall keep 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.

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

The permittee shall maintain the recordkeeping formats as previously approved by the Department and keep records of the data pursuant to Section B of this permit.

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

(a) The permittee shall report malfunctions, emergencies or incidents of excess emissions to the Department at 484-250-5920. 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

SECTION C. Site Level Requirements

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.

017 [25 Pa. Code §135.3]**Reporting**

The permittee shall submit by March 1, of each year, an Air Information Management System (AIMS) inventory report for the preceding calendar year.

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

A person responsible for any source specified in 25 Pa. Code § 123.1(a)(1-9), 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.

(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.

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

The permittee shall immediately 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 Section A, of 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.

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

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

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

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

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

This Operating Permit 46-00033 SOOP supersedes TVOP 46-00033.

**SECTION C. Site Level Requirements****VIII. COMPLIANCE CERTIFICATION.**

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

IX. COMPLIANCE SCHEDULE.

No compliance milestones exist.

**SECTION D. Source Level Requirements**

Source ID: 101

Source Name: LANDFILL WITHOUT EASTERN EXPANSION

Source Capacity/Throughput:

N/A

MUNICIPAL SOLID WASTE

**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.

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall keep records of the annual calculations of the Volatile Organic Compound (VOC) emission rate.

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.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall route all the collected landfill gas to a control system that complies with the requirements in either paragraph (i) or (ii) of this condition.

(i) The candlestick flare designed and operated in accordance with the requirements identified herein for Source ID C06 or

(ii) The enclosed flare designed and operated in accordance with the requirements identified herein for Source ID C08

(b) In the event the collection or control system is inoperable, the gas mover system shall be shut down and all valves in the collection and control system contributing to venting of the gas to the atmosphere shall be closed within 1 hour, and

(c) The permittee shall operate the control or treatment system at all times when the collected gas is routed to the system.

(d) Paragraph (a) applies except during period of start-up, shakedown, scheduled maintenance, testing or malfunction in the gas transfer or pretreatment system, or when unavoidable due to circumstances beyond the control of permittee.

SECTION D. Source Level Requirements

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall operate and maintain the collection and control system, as designed and approved, to capture the gas generated within the landfill, in accordance with the manufacturers specifications. The Department reserves the right to reevaluate the adequacy of the gas collection and control system design plan.

VII. ADDITIONAL REQUIREMENTS.

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

SECTION D. Source Level Requirements

Source ID: 102

Source Name: LANDFILL EASTERN EXPANSION

Source Capacity/Throughput:

N/A

MUNICIPAL SOLID WASTE



I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The total Volatile Organic Compound (VOC) emissions from the Eastern Expansion shall not exceed 10.9 tons per year on a twelve (12) month rolling sum.

Control Device Efficiency Restriction(s).

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The permittee shall route all the collected landfill gas to a control system that complies with the requirements in paragraph (i) of this condition.

(i) The candlestick flare designed and operated in accordance with Source C06 or an enclosed flare designed and operated in accordance with Source CO8.

(b) In the event the collection or control system is inoperable, the gas mover system shall be shut down and all valves in the collection and control system contributing to venting of the gas to the atmosphere shall be closed within 1 hour, and

(c) The permittee shall operate the control or treatment system at all times when the collected gas is routed to the system.

(d) Paragraph (a) applies except during period of start-up, shakedown, scheduled maintenance, testing or malfunction in the gas transfer or pretreatment system, or when unavoidable due to circumstances beyond the control of permittee.

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.

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall keep records of the Total Volatile Organic Compound (VOC) emissions monthly and on a 12 month rolling sum.

**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.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall operate and maintain the collection and control system, as designed and approved, to capture the gas generated within the landfill, in accordance with the manufacturer's specifications. The Department reserves the right to reevaluate the adequacy of the gas collection and control system design plan.

VII. ADDITIONAL REQUIREMENTS.

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

SECTION D. Source Level Requirements

Source ID: 104

Source Name: 60 KW LEACHATE PLANT EMERGENCY GENERATOR 1

Source Capacity/Throughput:

N/A

Diesel Fuel



I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §123.21]

General

No person shall 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.

Fuel Restriction(s).

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall only use Diesel fuel for this generator.

The diesel fuel shall meet the following per gallon standards:

1. Sulfur content
 - i. less than 15 ppm
2. Cetane index or aromatic content
 - i. minimum cetane index of 40; or
 - ii. maximum aromatic content of 35 volume percent.

[Compliance with this condition assures compliance with 40 C.F.R. § 60.4207(b)]

Operation Hours Restriction(s).

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall limit the hours of operation for this generator to less than 1500 hours per year calculated on a 12-month rolling sum.

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.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

- (a). The permittee shall monitor the hours of operation for this generator monthly and on a 12-month rolling sum.
- (b). The permittee shall monitor the NO_x and CO emissions from this generator monthly and on a 12-month rolling sum.

SECTION D. Source Level Requirements**IV. RECORDKEEPING REQUIREMENTS.****# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall keep records of the following:

- a. All notifications submitted to comply with 40 C.F.R. Subpart IIII
- b. All maintenance conducted on the engine
- c. If the stationary CI internal combustion engine is a certified engine, documentation from the manufacturer that the engine is certified to meet the emission standards.
- d. If the stationary CI internal combustion engine is not a certified engine, documentation that the engine meets the emission standards.

[Compliance with this condition assures compliance with 40 C.F.R. § 60.4214(a)(2)(i-iv)]

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

- a. The permittee shall keep records of the hours of operation for this source monthly and on a 12-month rolling sum.
- b. The hours of operation records shall indicate how many hours are spent for emergency operation, non-emergency operation, maintenance and readiness testing.

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

The permittee shall keep records of the fuel receipts each time a delivery is made to comply with the 15 ppm Sulfur content and the Cetane or Aromatic content limits in diesel fuel.

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

The permittee shall keep records of the NO_x and CO emissions from this generator monthly and on a 12-month rolling sum.

V. REPORTING REQUIREMENTS.

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

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

(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. Section 60.4211(f).

(b) If the permittee does not operate the engine according to the requirements of 40 C.F.R. Section 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 non-emergency engines.

[Compliance with this condition assures compliance with 40 C.F.R. § 60.4211]

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

The permittee shall operate and maintain a non-resettable hour meter on this generator at all times.

[Compliance with this condition assures compliance with 40 C.F.R. § 60.4209(a)]

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

The permittee shall operate and maintain this generator according to the manufacturer's specifications.

SECTION D. Source Level Requirements

[Compliance with this condition assures compliance with 40 C.F.R. § 60.4211(a)]

VII. ADDITIONAL REQUIREMENTS.

012 [25 Pa. Code §127.441]

Operating permit terms and conditions.

This Source ID 104, consists of 60 kW Emergency Generator manufactured by Caterpillar, model No. C4.4 installed in 2019.
This Source is subject to the requirements of 40 C.F.R. 60 Subpart IIII.

SECTION D. Source Level Requirements

Source ID: 105

Source Name: 225 KW ENCLOSED FLARE BACKUP EMERGENCY GENERATOR

Source Capacity/Throughput:

N/A

Diesel Fuel

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

001 [25 Pa. Code §123.21]

General

No person shall permit the emission into the outdoor atmosphere of sulfur oxides from a source in a manner that the concentration of the sulfur oxides, expressed as SO₂, in the effluent gas exceeds 500 parts per million, by volume, dry basis, for this generator.

Fuel Restriction(s).

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall only use Diesel fuel for this source.

Operation Hours Restriction(s).

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall limit the hours of operation for this generator to less than five hundred (500) hours per year calculated on a 12-month rolling sum.

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.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

- (a). The permittee shall monitor the hours of operation using a non-resettable hour meter monthly and on a 12-month rolling sum.
- (b). The permittee shall monitor the NO_x and CO emissions from this generator monthly and on a 12-month rolling sum.

IV. RECORDKEEPING REQUIREMENTS.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall keep records of the NO_x and CO emissions from this generator monthly and on a 12-month rolling sum.

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

(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. Section 63.6640(f).

(b) If the permittee does not operate the engine according to the requirements of 40 C.F.R. Section 63.6640(f), the engine will not be considered an emergency engine under 40 C.F.R. Part 63 Subpart ZZZZ and must meet all requirements for non-emergency engines.

[Compliance with this condition assures compliance with 40 C.F.R. § 63.6640]

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

The permittee shall operate and maintain a non-resettable hour meter on the generator listed under this source ID at all times.

[Compliance with condition also ensures compliance with 40 C.F.R. § 60.4237]

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

[Additional Authority for this permit condition is also derived from 40 C.F.R. § 63.6605 and 63.6625(e)]

a. The permittee shall at all times, operate and maintain the generators listed under this source ID in accordance with the manufacturer's specifications and in a manner consistent with safety and good air pollution control practices.

b. The permittee may develop their own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engines in a manner consistent with good air pollution control practice for minimizing emissions.

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

[Additional Authority for this permit condition is also derived from 40 C.F.R. § 63.6625(h)]

The permittee shall limit each engine's time spent at idle during startup and limit the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes.

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

The permittee shall perform the following operational maintenance services the generator listed under this source ID:

- a. Change the oil filter every 500 hours of operation or annually, whichever comes first;
- b. Inspect the air cleaner every 1,000 hours of operation or annually, whichever comes first; and
- c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as needed.

[Compliance with this condition assures compliance with 40 C.F.R. § 63.6603(a)]

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

The permittee shall operate and maintain a non-resettable hour meter on the generator listed under this source ID.

[Compliance with condition also ensures compliance with 40 C.F.R. § 60.4237]

**SECTION D. Source Level Requirements****VII. ADDITIONAL REQUIREMENTS.****# 012 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

This Source ID 105, consists of 225 kW Emergency Generator manufactured by Caterpillar, model No. 3606 installed in 1989. This Source is subject to the requirements of 40 C.F.R. 63 Subpart ZZZZ.

SECTION D. Source Level Requirements

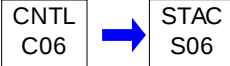
Source ID: C06

Source Name: CANDLESTICK LANDFILL GAS FLARE #4

Source Capacity/Throughput:

N/A

LANDFILL GAS



I. RESTRICTIONS.

Throughput Restriction(s).

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall ensure that the flow range of LFG to the open flare is between 120 scfm and 1250 scfm.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The open flare shall burn landfill gas generated on-site in the landfill, except when auxiliary fuel (propane) is used during start-up or restart.

Control Device Efficiency Restriction(s).

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The open flare shall have a minimum destruction efficiency of 98% VOC's, or a maximum of 20 ppm non-methane organics (NMOC's), evaluated as hexane and corrected to 3% oxygen.

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.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall calibrate, maintain, and operate according to the manufacturer's specifications, the following equipment when operating the flare.

(a). A heat sensing device such as an ultraviolet beam sensor or thermocouple, at the pilot light or the flame itself to indicate the continuous presence of a flame.

(b). A gas flow rate measuring device that provides a measurement of gas flow to the control device. The permittee shall operate, calibrate, and maintain a gas flow rate measuring device that shall record the flow to the control device at least every 15 minutes.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall continuously monitor, on a daily basis (except holidays and weekends), the temperature and flow rate of the landfill gas combusted in the open flare.

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

The permittee shall keep records of the following when operating the flare:

- a. All visible emission readings (date conducted, start and end time the flare was operating, time observed if any visible emissions were present)
- b. The flow rate in scfm.
- c. Visible emissions/Opacity, net heating value of the gas being combusted and exit velocity determinations made during the performance test as specified in 40 C.F.R. § 60.18 and 25 Pa. Code Section 139.
- d. Continuous records of the flare pilot flame or flare flame monitoring

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

- a. The permittee shall record, on a daily basis (except holidays and weekends), the amount of landfill gas combusted in the open flare.
- b. The permittee shall keep a record of the monthly inspections that are performed on the open flare to include any maintenance that is performed on the flare.

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

The permittee shall submit a semi-annual report to the DEP. The report shall state any exceedance of the following:

- a. The length and time when a continuous flame is not present at the pilot light or the flame itself.
- b. The gas flow meter or measuring device is not reading the LFG flow at least every 15 minutes during flare operation.

Note: The semi-annual report shall be submitted (a) by February 1 for the period of July 1 through December 31 of the previous year and (b) by August 1 for the period of January 1 through June 30 of the current year.

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

There shall be a flame present at all times when the open flare is in operation.

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

- (a). The open flare shall be equipped with an automatic shut-off mechanism designed to immediately stop the flow of gas when a flame-out occurs.
- (b). During periods of shutdown for the open flare, landfill gas will be sent to the other flare (Source ID C08, Enclosed Flare Eastern Expansion).

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

The open flare shall be located in a manner to mitigate visual impacts by meeting any one of the following requirements:

- a. Blocking the view of the flare with screening or plantings;

SECTION D. Source Level Requirements

- b. Erecting a berm or similar earthwork barrier (berm) approved by the Waste Management;
- c. Locating the open flare behind an existing berm, or placing it in a hollow or other depression;
- d. Placing the flare at least 900 feet from the nearest occupied dwelling for areas of the landfill first permitted after December 23, 2000, and at least 500 feet for areas of the landfill permitted after April 8, 1988, and before December 23, 2000, (an occupied dwelling that is owned by the landfill or any entity affiliated with the landfill is not deemed an occupied dwelling); or
- e. Installing a shroud that has been designed to minimize visible flames during normal operation.

012 [25 Pa. Code §127.441]

Operating permit terms and conditions.

- a. The permittee shall install and operate an automatic pilot ignition source for the open flare.
- b. The permittee shall operate and maintain this open flare in accordance with the manufacturer's specifications.
- c. The permittee shall conduct monthly inspections of the open flare and its components to ensure it is operating properly and not damaged or inoperable.

VII. ADDITIONAL REQUIREMENTS.

013 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Flare #4 is a candlestick (Utility) Flare (open flare), manufactured by Perennial Energy, Model FL-8-C with a maximum rated heat input of 41.25 MMBTU/HR.

SECTION D. Source Level Requirements

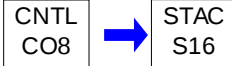
Source ID: CO8

Source Name: ENCLOSED FLARE - EASTERN EXPANSION

Source Capacity/Throughput:

N/A

LANDFILL GAS



I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §123.13]

Processes

No person shall permit the emission into the outdoor atmosphere of particulate matter from this source at any time, in excess of 0.04 gr/dscf, pursuant to 25 Pa. Code § 123.13 (c)(1)(i).

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Stack Emissions:

Emissions of criteria pollutants from the stack of the flare shall be limited to all of the following:

NO_x 5.52 lbs/hr, and 24.17 tons/year on a twelve (12) month rolling sum

SO_x 1.43 lbs/hr, and 6.28 tons/year on a twelve (12) month rolling sum

CO 11.88 lbs/hr, and 52.05 tons/year on a twelve (12) month rolling sum

VOC 0.39 lbs/hr, and 1.70 tons/year on a twelve (12) month rolling sum

PM 0.15 lbs/hr, and 0.68 tons/year on a twelve (12) month rolling sum

Throughput Restriction(s).

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The enclosed flare shall burn landfill gas generated on-site in the landfill, including the Eastern Expansion, except when auxiliary fuel is used during restart or start-up.

(b) The permittee shall burn a maximum of 1,800 standard cubic feet per minute (scfm) of landfill gas in the flare.

Control Device Efficiency Restriction(s).

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

(a) The enclosed flare shall be operated to reduce NMOC present in the collected landfill gas by 98 weight percent or reduce the outlet NMOC concentration to less than 20 ppmv on a dry basis as hexane at three percent oxygen, whichever is less stringent.

(b) The permittee shall operate the flare at either

(1) a minimum of 1600 degrees Fahrenheit (825.56 degrees Celsius) for a minimum design residence time of 0.91 seconds, if there has been no stack test, or

(2) For each 3-hour period of operation, the average combustion temperature shall be no more than 28 deg C (50.4 deg

SECTION D. Source Level Requirements

F) below the average combustion temperature during the most recent stack test in which compliance with the destruction/removal was demonstrated. In the event that the flare does not operate for at least a continuous 3-hour period due to diminishing gas flows, the average combustion temperature shall be based on a 1-hour operational period.

The flare shall be allowed an appropriate warm up sequence as per manufacturer's specifications, to attain the minimum operating temperature.

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

(a) The permittee shall conduct annual monitoring of NO_x and CO emissions from the flare during each calendar year that the flare operates. This monitoring is not required during a calendar year when stack testing is conducted. In addition, the Department may waive the requirement to conduct the monitoring for the flare if it has operated less than 500 hours in a specific calendar year.

(b) At least sixty (60) days prior to conducting the initial annual testing, the permittee shall submit to the Department for approval the Monitoring Plan as specified. Thereafter, the permittee shall notify the Department at least thirty (30) days in advance of the planned monitoring date.

(c) The monitoring shall be conducted in accordance with a site specific Monitoring Plan using portable analyzers that are calibrated and operated in accordance with the manufacturer's recommendations.

(d) The permittee shall submit the results of the monitoring to the Department within thirty (30) days of the monitoring event.

(e) In the event that the monitoring shows a possible exceedance of an applicable NO_x or CO emission limitation, the permittee shall

(1) prepare and submit to the Department a protocol with 45 days to conduct stack testing to evaluate compliance with the applicable limitation

(2) conduct stack testing within sixty (60) days of receiving Department approval of test protocol

(3) submit two (2) copies of the complete test report to the Department for approval within sixty (60) days of stack testing.

(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. The Department 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

(a) monitor the operating hours per calendar year

(b) develop, maintain and follow a Monitoring Plan for the annual NO_x and CO monitoring of the flare. The Monitoring plan shall include monitoring at least three (3) times during a minimum one-hour monitoring event. The monitoring shall involve using portable analyzers that are calibrated and operated in accordance with the manufacturer's recommendations

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

The permittee shall calibrate, maintain, and operate according to the manufacturer's specifications, the following equipment when operating the enclosed flare.

(a) A temperature monitoring device equipped with a continuous recorder and having an accuracy of (+/-) 1 percent of the temperature being measured expressed in degrees Celsius or degrees Fahrenheit (+/-) 0.5°C or (+/-) 32.9°F, whichever is greater.

SECTION D. Source Level Requirements

(b) A gas flow rate measuring device that provides a measurement of gas flow to or bypass of the control device. The permittee shall operate, calibrate, and maintain a gas flow rate measuring device that shall record the flow to the control device at least every 15 minutes.

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

The permittee shall calculate the VOC, CO, SO_x, PM and NO_x emissions from the enclosed flare on a monthly basis as well as on a twelve (12) month rolling sum, using Department-approved methods.

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

(a) The permittee shall keep up-to-date, readily accessible records for the life of the enclosed flare, on-site records of the flowrate of landfill gas to the enclosed flare and the temperature of the enclosed flare, and shall record the following as exceedances of the operational standards:

- (i) All 3-hour periods of operation during which the average combustion temperature was more than 28°C below the average combustion temperature during the most recent performance test; and
- (ii) All periods during which landfill gas flow to the flare was bypassed directly to the atmosphere for a period of one hour or more.

(b) The permittee shall maintain on-site records of the following information for a minimum of five (5) years:

- i. The operating time and dates of the enclosed flare,
- ii. Performance tests of the enclosed flare,
- iii. Twelve (12) month rolling summation of the VOC, SO_x, CO, PM and NO_x emissions.

(c) The permittee shall keep up-to-date, readily accessible records for the life of the enclosed flare of the following data, as measured during the initial performance test or compliance determination:

- (i) The average combustion temperature measured at least every 15 minutes and average over the same time period of the performance test.
- (ii) The percent reduction of NMOC or outlet NMOC concentration, achieved by the flare, unless an alternative recordkeeping standard has been approved by the Administrator and the Department.

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

The permittee shall submit an annual report of the flow rate of the landfill gas to the flare to the Department.

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

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



SECTION E. Source Group Restrictions.



SECTION F. Alternative Operation Requirements.

No Alternative Operations exist for this State Only facility.

SECTION G. Emission Restriction Summary.

Source Id	Source Description		
102	LANDFILL EASTERN EXPANSION		
Emission Limit			Pollutant
10.900	Tons/Yr	Calculated on a 12-month rolling sum	VOC
CO8	ENCLOSED FLARE - EASTERN EXPANSION		
Emission Limit			Pollutant
11.880	Lbs/Hr		CO
52.050	Tons/Yr	12 month rolling sum	CO
5.520	Lbs/Hr		NOX
24.170	Tons/Yr	12 month rolling sum	NOX
1.430	Lbs/Hr		SOX
6.280	Tons/Yr	12 month rolling sum	SOX
0.150	Lbs/Hr		TSP
0.680	Tons/Yr	12 month rolling sum	TSP
0.390	Lbs/Hr		VOC
1.700	Tons/Yr	12 month rolling sum	VOC

Site Emission Restriction Summary

Emission Limit			Pollutant
99.900	Tons/Yr	calculated on a 12-month rolling sum	CO
24.900	Tons/Yr	calculated on a 12-month rolling sum	NOX

SECTION H. Miscellaneous.

A. 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) Stowe Power Production Plant consisting of oil/water separator, waste oil and condenser storage tanks and parts washer. (2018 Renewal application stated these sources have been drained and are no longer in use). The turbine plant is fully decommissioned and all associated equipment has been removed from the site.
- (2) Leachate Pre-treatment Plant consisting of three leachate storage tanks, treatment system, 12 propane heaters, lime storage silo and 125 kW emergency generator. (2018 Renewal application stated: tanks have been drained and are no longer in use, Facility bypasses treatment system and discharges directly to POTW. Leachate treatment system is no longer in use as facility no longer treats leachate on site). The treatment plan is no longer operational, the 3 leachate tanks remain at the site. The 125 kw emergency generator was replaced with a 60 kw generator installed under an RFD in May 2019, which is now Source ID 104 in the permit.
- (3) Maintenance Shop & other Miscellaneous Sources

B. The following previously issued operating permit serve as the basis for certain terms and conditions set forth in this Title V Permit:

RACT Operating Permit: OP 46-0033
Operating Permit: 46-322-009

C. Administrative Amendment (APS: 349412 AUTH: 492417)

The Title V Operating Permit (TVOP 46-00033) is administratively amended to incorporate the amended RACT Operating Permit 46-0033, which supersedes the existing Operating Permit Numbers 46-322-0005A, 46-322-006, and 46-322-009.

The amendments made to the Title V Operating Permit also addressed some of the concerns expressed in the Appeal Document received by the Department on February 19th, 2002.

D. Compliance Certification:

The Compliance Certification shall be submitted by February 1 for the period January 1 through December 31 of each calendar year.

E. Administrative Amendment (APS: 349412 AUTH: 611423)

The Title V Operating Permit (TVOP 46-00033) is administratively amended to

(1) incorporate Plan Approvals 46-322-007 and 46-0033E for the Eastern Expansion and the Pipeline Connection respectively, and

(2) address the concerns expressed in the Appeal Document received by the Department on February 27th, 2004.

F. The purpose of Section F, Emission Restriction Summary, is to summarize the emission limitations in Section C and Section D of this permit. The emission limitations specified in Sections C and D of the permit will be used for enforcement, not those listed in Section F.

G. In compliance with the testing requirements for Sources C04A, CO1A and C08, the permittee conducted stack tests on the turbines, one of the enclosed flares on Western expansion and the enclosed flare on the eastern expansion, September 2005, which is once within the life of the Title V Operating Permit.

H. Stack-testing Schedule - Flare #2. The deadlines below were met and was satisfied by the performance of a stack test conducted in October 2006.

01-AUG-06

On or before this date, the company shall submit to the Department 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.

01-SEP-06

On or before this date, the Regional Air Quality Manager, shall be informed of the date and time of the test

SECTION H. Miscellaneous.

01-NOV-06

On or before this date, the stack test shall be conducted.

01-DEC-06

On or before this date, two copies of the complete test report, including all operating conditions, shall be submitted to the Regional Air Quality Manager for approval.

I. Renewal

APS: 349412 AUTH: 649838. The Title V Operating Permit is renewed. The following changes were made.

Source C04A (Enclosed flare C04 & C05), that is Flare 1 and Flare 2 was removed and replaced with Source C05A - Enclosed flare 2. Flare 1 is presently inactive and will dismantled and removed from the facility by June 2008.

Sources C05A and C08 - Additional testing condition was added. The facility will test the flares using Department- approved portable device annually except the years the stacktests will be conducted.

Minor Operating Permit Application (APS: 349412, AUTH: 806460) was submitted to remove the turbine 1 from the permit as the gas generation rates has declined and emissions decreased. The minor modification is addressed in this renewal permit.

APS: 349412 AUTH: 1096175

This modification is being issued to remove Turbine #2 from the site and all permit conditions pertaining to the Turbine. The Turbine was decommissioned due to significant decline in LFG flows. Landfill gas flares, Flare #2, Flare #3 and Flare #4 will provide control of captured landfill gas.

AUTH: 1152031 APS: 349412

This AUTH incorporated Plan Approval 46-0033F (Source ID C06, Flare #4) into the Title V Permit.

AUTH: 1167674 APS: 349412 April 2017

This Title V permit was modified to decommission Flare #2 (Source ID C05A) and remove all references of Flare 2 from the permit.

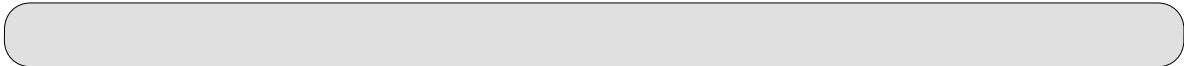
AUTH: 1207735 APS: 349412

This Title V permit has been renewed. Stack testing requirements for Source ID C06 and C08 have been removed, see technical review memo for details. The throughput restriction on Source ID 102, which limits the total gas flow rate from the Eastern Expansion to 5, 046 scfm has been removed, see technical review memo for details.

AUTH: 1319405 APS: 349412

This AUTH is for an initial State Only Operating Permit, the previous Title V permit is being superseded by this Synthetic Minor State Only Operating Permit due to the Landfill no longer being subject to Title V Requirements and NSPS Subpart WWW and NESHAP Subpart AAAA. See Technical review memo for more details.

Condition #010 in Section C, the Department approved monthly monitoring in 2018.



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