



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
AIR QUALITY PROGRAM

**TITLE V/STATE OPERATING PERMIT**

Issue Date: January 31, 2024

Effective Date: January 31, 2024

Expiration Date: January 30, 2029

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

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

**TITLE V Permit No: 18-00009**

Federal Tax Id - Plant Code: 25-1249700-1

**Owner Information**

Name: CLINTON CNTY SWA  
Mailing Address: PO BOX 209  
MC ELHATTAN, PA 17748-0209

**Plant Information**

Plant: CLINTON CNTY SOLID W/WAYNE TWP LDFL  
Location: 18 Clinton County 18927 Wayne Township  
SIC Code: 4953 Trans. & Utilities - Refuse Systems

**Responsible Official**

Name: JAY ALEXANDER  
Title: GENERAL MGR  
Phone: (570) 769 - 6977 Email: JALex@waynetwplandfill.com

**Permit Contact Person**

Name: JAY ALEXANDER  
Title: GENERAL MGR  
Phone: (570) 769 - 6977 Email: JALex@waynetwplandfill.com

[Signature] \_\_\_\_\_  
MUHAMMAD Q. ZAMAN, ENVIRONMENTAL PROGRAM MANAGER, NORTHCENTRAL REGION



## SECTION A. Table of Contents

### Section A. Facility/Source Identification

Table of Contents  
Site Inventory List

### Section B. General Title V Requirements

- #001 Definitions
- #002 Prohibition of Air Pollution
- #003 Property Rights
- #004 Permit Expiration
- #005 Permit Renewal
- #006 Transfer of Ownership or Operational Control
- #007 Inspection and Entry
- #008 Compliance Requirements
- #009 Need to Halt or Reduce Activity Not a Defense
- #010 Duty to Provide Information
- #011 Reopening and Revising the Title V Permit for Cause
- #012 Reopening a Title V Permit for Cause by EPA
- #013 Operating Permit Application Review by the EPA
- #014 Significant Operating Permit Modifications
- #015 Minor Operating Permit Modifications
- #016 Administrative Operating Permit Amendments
- #017 Severability Clause
- #018 Fee Payment
- #019 Authorization for De Minimis Emission Increases
- #020 Reactivation of Sources
- #021 Circumvention
- #022 Submissions
- #023 Sampling, Testing and Monitoring Procedures
- #024 Recordkeeping Requirements
- #025 Reporting Requirements
- #026 Compliance Certification
- #027 Operational Flexibility
- #028 Risk Management
- #029 Approved Economic Incentives and Emission Trading Programs
- #030 Permit Shield
- #031 Reporting
- #032 Report Format

### Section C. Site Level Title V 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 Title V Requirements

- D-I: Restrictions
- D-II: Testing Requirements
- D-III: Monitoring Requirements
- D-IV: Recordkeeping Requirements
- D-V: Reporting Requirements



## SECTION A. Table of Contents

D-VI: Work Practice Standards  
D-VII: Additional Requirements

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

### Section E. Source Group Restrictions

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

### Section F. Alternative Operating Scenario(s)

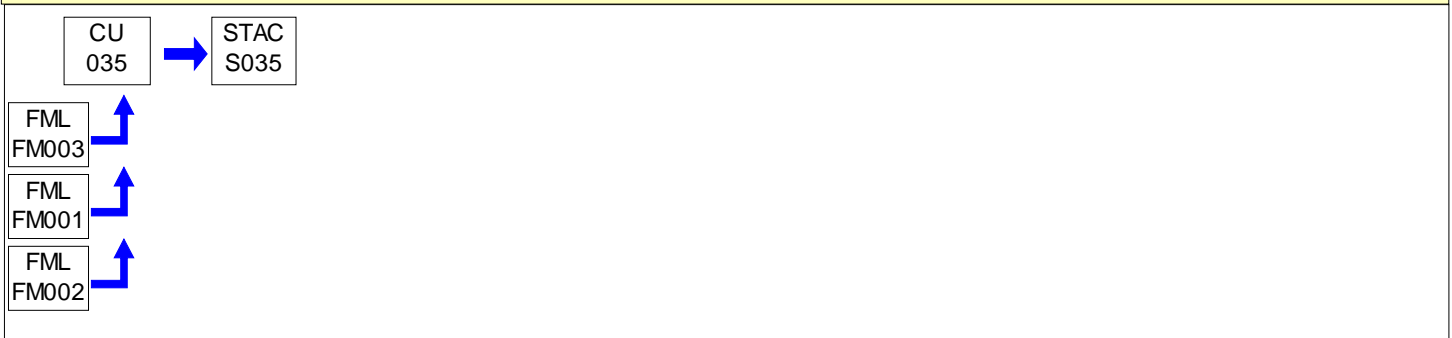
F-I: Restrictions  
F-II: Testing Requirements  
F-III: Monitoring Requirements  
F-IV: Recordkeeping Requirements  
F-V: Reporting Requirements  
F-VI: Work Practice Standards  
F-VII: Additional Requirements

### Section G. Emission Restriction Summary

### Section H. Miscellaneous

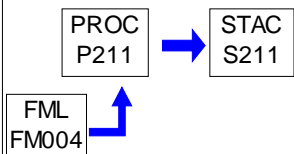
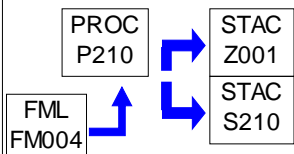
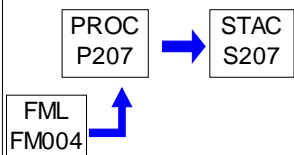
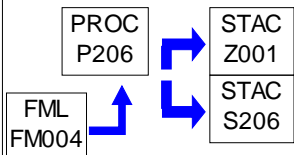
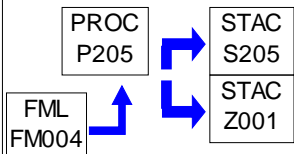
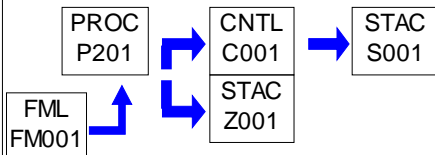
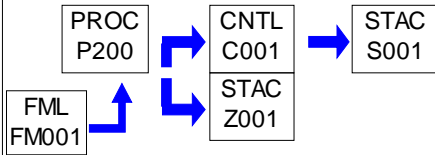
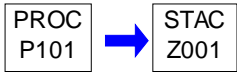
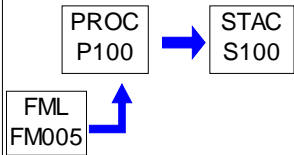
**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
035	SPACE & WATER HEATERS		
P100	PORTABLE GENERATOR ENGINES		
P101	HAUL ROADS		
P200	NORTH SIDE DISPOSAL AREA		
P201	SOUTH SIDE DISPOSAL AREA & GAS COLLECTION SYSTEM		
P205	PORTABLE TUB GRINDER		
P206	PORTABLE TUB GRINDER #2		
P207	PORTABLE WATER PUMPS		
P210	PORTABLE TROMMEL SCREEN #2		
P211	EMERGENCY GENERATOR ENGINE		
P212	PORTABLE MOBISCREEN SCREENER WITH STACKER		
C001	ENCLOSED GROUND FLARE		
FM001	NATURAL GAS		
FM002	WASTE OIL		
FM003	PROPANE		
FM004	DIESEL FUEL		
FM005	GASOLINE		
S001	ENCLOSED GROUND FLARE STACK		
S035	SPACE & WATER HEATERS EXHAUST		
S100	PORTABLE GENERATORS EXHAUST		
S205	PORTABLE TUB GRINDER EXHAUST		
S206	PORTABLE TUB GRINDER #2 STACK		
S207	PORTABLE WATER PUMP EXHAUST		
S210	PORTABLE TROMMEL SCREEN #2 STACK		
S211	EMERGENCY GENERATOR STACK		
Z001	FUGITIVE EMISSIONS		

**PERMIT MAPS**

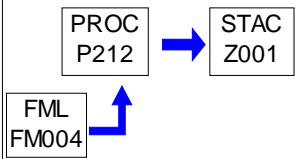


### PERMIT MAPS





### PERMIT MAPS



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

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

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

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

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

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

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

This operating permit is issued for a fixed term of five (5) years and shall expire on the date specified on Page 1 of this permit. The terms and conditions of the expired permit shall automatically continue pending issuance of a new Title V permit, provided the permittee has submitted a timely and complete application and paid applicable fees required under 25 Pa. Code Chapter 127, Subchapter I and the Department is unable, through no fault of the permittee, to issue or deny a new permit before the expiration of the previous permit. An application is complete if it contains sufficient information to begin processing the application, has the applicable sections completed and has been signed by a responsible official.

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

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

(b) The application for permit renewal shall include the current permit number, the appropriate permit renewal fee, a description of any permit revisions and off-permit changes that occurred during the permit term, and any applicable requirements that were promulgated and not incorporated into the permit during the permit term. The fees shall be made payable to "The Commonwealth of Pennsylvania Clean Air Fund" and submitted with the fee form to the respective regional office.

(c) The renewal application shall also include submission of proof that the local municipality and county, in which the facility is located, have been notified in accordance with 25 Pa. Code § 127.413. The application for renewal of the Title V permit shall also include submission of compliance review forms which have been used by the permittee to update information submitted in accordance with either 25 Pa. Code § 127.412(b) or § 127.412(j).

(d) The permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information during the permit renewal process. The permittee shall also promptly provide additional information as necessary to address any requirements that become applicable to the source after the date a complete renewal application was submitted but prior to release of a draft permit.

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

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

- (1) The Department determines that no other change in the permit is necessary;
- (2) A written agreement has been submitted to the Department identifying the specific date of the transfer of permit responsibility, coverage and liability between the current and the new permittee; and,
- (3) A compliance review form has been submitted to the Department and the permit transfer has been approved by

**SECTION B. General Title V Requirements**

the Department.

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

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

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

- (1) Enter at reasonable times upon the permittee's premises where a Title V source is located or emissions related activity is conducted, or where records are kept under the conditions of this permit;
- (2) Have access to and copy or remove, at reasonable times, records that are kept under the conditions of this permit;
- (3) Inspect at reasonable times, facilities, equipment including monitoring and air pollution control equipment, practices, or operations regulated or required under this permit;
- (4) Sample or monitor, at reasonable times, substances or parameters, for the purpose of assuring compliance with the permit or applicable requirements as authorized by the Clean Air Act, the Air Pollution Control Act, or the regulations promulgated under the Acts.

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

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

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

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

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

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

(c) For purposes of Sub-condition (b) of this permit condition, the specifications in applications for plan approvals and operating permits are the physical configurations and engineering design details which the Department determines are essential for the permittee's compliance with the applicable requirements in this Title V permit.

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

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



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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

(a) The permittee shall pay fees to the Department in accordance with the applicable fee schedules in 25 Pa. Code Chapter 127, Subchapter I (relating to plan approval and operating permit fees). The applicable fees shall be made payable to "The Commonwealth of Pennsylvania Clean Air Fund" with the permit number clearly indicated and submitted to the respective regional office.

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

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

**SECTION B. General Title V Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

(2) One ton of NO<sub>x</sub> from a single source during the term of the permit and 5 tons of NO<sub>x</sub> at the facility during the term of the permit.

(3) One and six-tenths tons of the oxides of sulfur from a single source during the term of the permit and 8.0 tons of oxides of sulfur at the facility during the term of the permit.

(4) Six-tenths of a ton of PM<sub>10</sub> from a single source during the term of the permit and 3.0 tons of PM<sub>10</sub> at the facility during the term of the permit. This shall include emissions of a pollutant regulated under Section 112 of the Clean Air Act unless precluded by the Clean Air Act or 25 Pa. Code Article III.

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

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

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

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

**SECTION B. General Title V Requirements**

(3) Combustion units with a rated capacity of less than 10,000,000 Btu per hour heat input fueled by natural gas supplied by a public utility, liquefied petroleum gas or by commercial fuel oils which are No. 2 or lighter, viscosity less than or equal to 5.82 c St, and which meet the sulfur content requirements of 25 Pa. Code § 123.22 (relating to combustion units). For purposes of this permit, commercial fuel oil shall be virgin oil which has no reprocessed, recycled or waste material added.

(4) Space heaters which heat by direct heat transfer.

(5) Laboratory equipment used exclusively for chemical or physical analysis.

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

(d) This permit does not authorize de minimis emission increases if the emissions increase would cause one or more of the following:

(1) Increase the emissions of a pollutant regulated under Section 112 of the Clean Air Act except as authorized in Subparagraphs (b)(4) and (5) of this permit condition.

(2) Subject the facility to the prevention of significant deterioration requirements in 25 Pa. Code Chapter 127, Subchapter D and/or the new source review requirements in Subchapter E.

(3) Violate any applicable requirement of the Air Pollution Control Act, the Clean Air Act, or the regulations promulgated under either of the acts.

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

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

(f) Emissions authorized under this permit condition shall be included in the monitoring, recordkeeping and reporting requirements of this permit.

(g) Except for de minimis emission increases allowed under this permit, 25 Pa. Code § 127.449, or sources and physical changes meeting the requirements of 25 Pa. Code § 127.14, the permittee is prohibited from making physical changes or engaging in activities that are not specifically authorized under this permit without first applying for a plan approval. In accordance with § 127.14(b), a plan approval is not required for the construction, modification, reactivation, or installation of the sources creating the de minimis emissions increase.

(h) The permittee may not meet de minimis emission threshold levels by offsetting emission increases or decreases at the same source.

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

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

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

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

(a) The owner of this Title V facility, or any other person, may not circumvent the new source review requirements of 25 Pa. Code Chapter 127, Subchapter E by causing or allowing a pattern of ownership or development, including the

**SECTION B. General Title V Requirements**

phasing, staging, delaying or engaging in incremental construction, over a geographic area of a facility which, except for the pattern of ownership or development, would otherwise require a permit or submission of a plan approval application.

(b) No person may permit the use of a device, stack height which exceeds good engineering practice stack height, dispersion technique or other technique which, without resulting in reduction of the total amount of air contaminants emitted, conceals or dilutes an emission of air contaminants which would otherwise be in violation of this permit, the Air Pollution Control Act or the regulations promulgated thereunder, except that with prior approval of the Department, the device or technique may be used for control of malodors.

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

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

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

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

Enforcement & Compliance Assurance Division  
Air, RCRA and Toxics Branch (3ED21)  
Four Penn Center  
1600 John F. Kennedy Boulevard  
Philadelphia, PA 19103-2852

The Title V compliance certification shall be emailed to EPA at [R3\\_APD\\_Permits@epa.gov](mailto:R3_APD_Permits@epa.gov).

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

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

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

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

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

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

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

**SECTION B. General Title V Requirements**

(5) The results of the analyses.

(6) The operating conditions as existing at the time of sampling or measurement.

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

(c) The permittee shall maintain and make available to the Department upon request, records including computerized records that may be necessary to comply with the reporting, recordkeeping and emission statement requirements in 25 Pa. Code Chapter 135 (relating to reporting of sources). In accordance with 25 Pa. Code Chapter 135, § 135.5, such records may include records of production, fuel usage, maintenance of production or pollution control equipment or other information determined by the Department to be necessary for identification and quantification of potential and actual air contaminant emissions. If direct recordkeeping is not possible or practical, sufficient records shall be kept to provide the needed information by indirect means.

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

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

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

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

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

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

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

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

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

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

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

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

**#028 [25 Pa. Code §§ 127.441(d), 127.512(i) and 40 CFR Part 68]****Risk Management**

(a) If required by Section 112(r) of the Clean Air Act, the permittee shall develop and implement an accidental release program consistent with requirements of the Clean Air Act, 40 CFR Part 68 (relating to chemical accident prevention provisions) and the Federal Chemical Safety Information, Site Security and Fuels Regulatory Relief Act (P.L. 106-40).

(b) The permittee shall prepare and implement a Risk Management Plan (RMP) which meets the requirements of Section 112(r) of the Clean Air Act, 40 CFR Part 68 and the Federal Chemical Safety Information, Site Security and Fuels Regulatory Relief Act when a regulated substance listed in 40 CFR § 68.130 is present in a process in more than the listed threshold quantity at the Title V facility. The permittee shall submit the RMP to the federal Environmental Protection Agency according to the following schedule and requirements:

- (1) The permittee shall submit the first RMP to a central point specified by EPA no later than the latest of the following:
  - (i) Three years after the date on which a regulated substance is first listed under § 68.130; or,
  - (ii) The date on which a regulated substance is first present above a threshold quantity in a process.

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

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

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

(d) If the Title V facility is subject to 40 CFR Part 68, as part of the certification required under this permit, the permittee shall:

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

**SECTION B. General Title V Requirements**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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



**SECTION C. Site Level Requirements****I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

No person may permit the emission into the outdoor atmosphere of fugitive air contaminants 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.
- (7) Blasting in open pit mines. Emissions from drilling are not considered as emissions from blasting.
- (8) Sources and classes of sources other than those identified above, for which the permittee has obtained a determination from the Department that fugitive emissions from the source, after appropriate control, meet the following requirements:
  - (a) the emissions are of minor significance with respect to causing air pollution; and
  - (b) the emissions are not preventing or interfering with the attainment or maintenance of any ambient air quality standard.

**# 002 [25 Pa. Code §123.11]****Combustion units**

Control Device C001 associated with Sources P200 and P201 shall not emit particulate matter in excess of the rate of 0.40 pounds per million Btu of heat input.

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

No person may permit fugitive particulate matter to be emitted into the outdoor atmosphere from a source specified in (1) through (8) in Condition #001 if the emissions are visible at the point the emissions pass outside the person's property.

**# 004 [25 Pa. Code §123.22]****Combustion units**

The permittee shall not permit the emission of sulfur oxides, expressed as sulfur dioxide (SO<sub>2</sub>), into the outdoor atmosphere from Control Device C001 associated with Sources P200 and P201 in excess of the rate of 4 pounds per million Btu of heat input over any 1-hour period.

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

No person may 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:

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

**# 006 [25 Pa. Code §123.42]****Exceptions**

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

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

**SECTION C. Site Level Requirements**

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

(3) When the emission results from sources specified in 25 Pa. Code §123.1(a)(1)-(9) (relating to prohibition of certain fugitive emissions).

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

[Additional authority for this operating permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

The total combined emissions from all air contamination sources at the facility shall not at any time equal or exceed any of the following limitations:

- (1) 50 tons of volatile organic compounds in any 12 consecutive month period.
- (2) 100 tons of nitrogen oxides in any 12 consecutive month period.
- (3) 100 tons of sulfur oxides in any 12 consecutive month period.
- (4) 100 tons of carbon monoxide in any 12 consecutive month period.
- (5) 100 tons of PM10 (particulate matter with an effective aerodynamic diameter less than or equal to 10 microns) in any 12 consecutive month period and 10 tons of PM2.5 (particulate matter with an effective aerodynamic diameter less than or equal to 2.5 microns) in any 12 consecutive month period.
- (6) 10 tons of any single hazardous air pollutant in any 12 consecutive month period.
- (7) 25 tons of all hazardous air pollutants combined in any 12 consecutive month period.

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

[Additional authority for this condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

The permittee shall not permit the following air contaminant emissions from the exhaust of Control Device ID C001 associated with Source IDs P200 and P201 in excess of the limitations listed below:

- (a) nitrogen oxides (NO<sub>x</sub>, expressed as NO<sub>2</sub>) – 0.06 pounds per million Btu of heat input,
- (b) carbon monoxide (CO) – 0.15 pounds per million Btu of heat input ,
- (c) sulfur oxides (SO<sub>x</sub>, expressed as SO<sub>2</sub>) – 2.48 pounds per hour,
- (d) particulate matter (PM10/PM2.5) – 1.69 pounds per hour,
- (e) non-methane organic compound (NMOC) – 0.25 pounds per hour,

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

[Additional authority for this condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

There shall be no visible emissions from Control Device ID C001, except for periods not to exceed a total of five (5) minutes during any two (2) consecutive hours.

**# 010 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.30c]****Subpart Cc - Emission Guidelines and Compliance Times for Municipal Solid Waste Landfills****Scope.**

**SECTION C. Site Level Requirements**

The permittee shall comply with all applicable requirements specified in 40 CFR Part 60, Subpart Cc (Emission Guidelines and Compliance Times for Municipal Solid Waste Landfills for which construction, reconstruction or modification was commenced before May 31, 1991). The applicable requirements include definitions, emission limitations, operational practices, operator training and certification, compliance and performance testing, monitoring, recordkeeping and reporting requirements, and compliance schedules.

**# 011 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.33c]****Subpart Cc - Emission Guidelines and Compliance Times for Municipal Solid Waste Landfills****Emission guidelines for municipal solid waste landfill emissions.**

The permittee shall comply with all applicable emission guidelines for municipal solid waste landfill emissions requirements set forth in 40 CFR Section 60.33c.

**Control Device Efficiency Restriction(s).****# 012 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this plan approval condition is derived from 25 Pa. Code Sections 127.1 and 127.12 and 40 CFR Section 60.752(b)(2)(iii)(B)]

Control Device C001 associated with Sources P200 and P201 shall either achieve a non-methane organic compound destruction efficiency of at least 98%, by weight, or a non-methane organic compound outlet concentration (expressed as hexane) of no greater than 20 parts per million, by volume, dry basis, corrected to 3% oxygen.

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

(a) At least ninety (90) days prior to the performance of any stack testing required by this permit, a test plan shall be submitted to the Department for evaluation. The plan shall contain a description of the proposed test methods and dimensioned drawings or sketches showing the test port locations as well as a description of the source and control device operating parameters to be monitored and recorded during the testing.

(b) The Department shall be given at least fourteen (14) days advance notice of the scheduled dates for the performance of the stack testing required by this permit.

(c) Within sixty (60) days of the completion of the stack tests required by this permit, two copies of the test report shall be submitted to the Department. This report shall contain the results of the tests, a description of the testing and analytical procedures actually used in the performance of the tests, all source and control device operating parameter data collected during the tests, a copy of all raw data, and a copy of all calculations generated during data analysis.

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

The permittee shall obtain from the fuel oil/diesel fuel supplier a fuel certification report for each load of virgin No. 2 fuel oil or diesel fuel delivered to the facility which accurately identifies the sulfur content of the load.

OR

The permittee shall take a representative composite sample of each load of No. 2 fuel oil or diesel fuel delivered to the facility and have it analyzed for sulfur content.

**# 015 [25 Pa. Code §139.1]****Sampling facilities.**

Upon the request of the Department, the permittee shall provide adequate sampling ports, safe sampling platforms and adequate utilities for the performance by the Department of tests on a source. The Department will set forth, in the request, the time period in which the facilities shall be provided as well as the specifications for such facilities.

**SECTION C. Site Level Requirements****# 016 [25 Pa. Code §139.11]****General requirements.**

(a) As specified in 25 Pa. Code §139.11(1), 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 the Department.

(b) As specified in 25 Pa. Code §139.11(2), the Department will consider test results for approval where sufficient information is provided to verify the source conditions existing at the time of the test and where adequate data is available to show the manner in which the test was conducted. Information submitted to the Department shall include, as a minimum, all of the following:

- (1) A thorough source description, including a description of any air cleaning devices and the flue.
- (2) Process conditions, for example, the charging rate of raw material or rate of production of final product, boiler pressure, oven temperature and other conditions which may effect emissions from the process.
- (3) The location of sampling ports.
- (4) Effluent characteristics, including velocity, temperature, moisture content, gas density (percentage of CO, CO<sub>2</sub>, O<sub>2</sub> and N<sub>2</sub>), static and barometric pressures.
- (5) Sample collection techniques employed, including procedures used, equipment descriptions and data to verify that isokinetic sampling for particulate matter collection occurred and that acceptable test conditions were met.
- (6) Laboratory procedures and results.
- (7) Calculated results.

**# 017 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.34c]****Subpart Cc - Emission Guidelines and Compliance Times for Municipal Solid Waste Landfills****Test methods and procedures**

The permittee shall retest the site-specific NMOC concentration every five (5) years using the methods specified in the applicable test methods and procedures of 40 CFR Section 60.754.

**# 018 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.34c]****Subpart Cc - Emission Guidelines and Compliance Times for Municipal Solid Waste Landfills****Test methods and procedures**

The permittee shall comply with all applicable test methods and procedures requirements set forth in 40 CFR Section 60.34c.

**# 019 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.754]****Subpart WWW--Standards of Performance for Municipal Solid Waste Landfills****Test methods and procedures.**

(a) After the installation of a collection and control system in compliance with 40 CFR Section 60.755, the owner or operator shall calculate the NMOC emission rate for purposes of determining when the system can be removed as provided in 40 CFR Section 60.752(b)(2)(v), using the following equation:

$$MNMOC = 1.89 \times 10^{-3} \times QLFG \times CNMOC$$

where,

MNMOC = mass emission rate of NMOC, megagrams per year;

QLFG = flow rate of landfill gas, cubic meters per minute; and

CNMOC = NMOC concentration, parts per million by volume as hexane.

(1) The flow rate of landfill gas, QLFG, shall be determined by measuring the total landfill gas flow rate at the common header pipe that leads to the control device using a gas flow measuring device calibrated according to the provisions of

**SECTION C. Site Level Requirements**

section 4 of Method 2E of appendix A of this part.

(2) The average NMOC concentration, CNMOC, shall be determined by collecting and analyzing landfill gas sampled from the common header pipe before the gas moving or condensate removal equipment using the procedures in Method 25C or Method 18 of appendix A of this part. If using Method 18 of appendix A of this part, the minimum list of compounds to be tested shall be those published in the most recent Compilation of Air Pollutant Emission Factors (AP-42). The sample location on the common header pipe shall be before any condensate removal or other gas refining units. The landfill owner or operator shall divide the NMOC concentration from Method 25C of appendix A of this part by six to convert from CNMOC as carbon to CNMOC as hexane.

(3) The owner or operator may use another method to determine landfill gas flow rate and NMOC concentration if the method has been approved by the Administrator as provided in 40 CFR Section 60.752(b)(2)(i)(B).

(b) The owner or operator of each MSW landfill subject to the provisions of this subpart shall estimate the NMOC emission rate for comparison to the PSD major source and significance levels in 51.166 or 52.21 of this chapter using AP-42 or other approved measurement procedures. If a collection system, which complies with the provisions in 40 CFR Section 60.752(b)(2) is already installed, the owner or operator shall estimate the NMOC emission rate using the procedures provided in paragraph (b) of this section.

(c) For the performance test required in 40 CFR Section 60.752(b)(2)(iii)(B), Method 25 or Method 18 of appendix A of this part shall be used to determine compliance with 98 weight-percent efficiency or the 20 ppmv outlet concentration level, unless another method to demonstrate compliance has been approved by the Administrator as provided by 40 CFR Section 60.752(b)(2)(i)(B). If using Method 18 of appendix A of this part, the minimum list of compounds to be tested shall be those published in the most recent Compilation of Air Pollutant Emission Factors (AP-42). The following equation shall be used to calculate efficiency:

$$\text{Control Efficiency} = (\text{NMOC}_{\text{in}} - \text{NMOC}_{\text{out}}) / (\text{NMOC}_{\text{in}})$$

where,

NMOC<sub>in</sub> = mass of NMOC entering control device; and

NMOC<sub>out</sub> = mass of NMOC exiting control device.

**# 020 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.754]**

**Subpart WWW--Standards of Performance for Municipal Solid Waste Landfills**

**Test methods and procedures.**

In accordance with 40 CFR Section 60.34c, the permittee shall comply with all applicable test methods and procedures requirements set forth in 40 CFR Section 60.754.

**# 021 [40 CFR Part 62 Approval and Promulgation of State Plans §40 CFR 62.16718]**

**Subpart OOO - Federal Plan Requirements for Municipal Solid Waste Landfills That Commenced Construction On or Before July 17, 2014 and Have Not Been Modified or Reconstructed Since July 17, 2014**

**Test methods and procedures.**

The permittee shall comply with all applicable test methods and procedure requirements set forth in 40 CFR Section 62.16718

**III. MONITORING REQUIREMENTS.**

**# 022 [25 Pa. Code §123.43]**

**Measuring techniques**

Visible emissions may 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.

**SECTION C. Site Level Requirements****# 023 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) The permittee shall conduct a weekly inspection of the facility during daylight hours while the facility is operating to detect visible emissions, visible fugitive emissions and odors. Weekly inspections are necessary to determine:

- (1) the presence of visible emissions;
- (2) the presence of visible fugitive emissions; and
- (3) the presence of odors beyond the boundaries of the facility.

(b) All detected visible emissions, visible fugitive emissions or odors that have the potential to exceed applicable limits shall be reported to the manager of the facility.

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

[Additional authority for this condition is derived from 25 Pa. Code Sections 127.1 and 127.12 and 40 CFR Part 60 Subpart WWW Section 60.756]

Control Device ID C001 shall be equipped with instrumentation to continuously monitor and record the combustion temperature and having a minimum accuracy of +/- one percent of the temperature being monitored expressed in degrees Celsius or +/-0.5 degrees Celsius, whichever is greater.

**# 025 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this condition is derived from 25 Pa. Code Sections 127.1 and 127.12 and 40 CFR Part 60 Subpart WWW Section 60.756]

Control Device ID C001 shall be equipped with instrumentation to monitor the gas flow to the flare and record the flow once every 15 minutes.

**# 026 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

Control Device ID C001 shall be equipped with an ultraviolet scanner with controller to confirm that a flame is present anytime that landfill gas is present.

**# 027 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this condition is derived from 25 Pa. Code Sections 127.1 and 127.12 and 40 CFR Part 60 Subpart WWW Section 60.752]

Control Device ID C001 associated with Source IDs P200 and P201 shall maintain, for each 3-hour period of operation based on rolling hourly data, an average combustion temperature of no more than 28°C (50.4°F) below the average combustion temperature during the most recent performance test in which compliance with the destruction/removal was demonstrated.

**# 028 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this condition is derived from 25 Pa. Code Sections 127.1 and 127.12 and 40 CFR Part 60 Subpart WWW Section 60.756]

Control Device ID C001 shall be equipped with instrumentation to record the flow to or bypass of the control device.

**# 029 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.756]****Subpart WWW--Standards of Performance for Municipal Solid Waste Landfills****Monitoring of operations.**

**SECTION C. Site Level Requirements**

The permittee seeking to demonstrate compliance with 40 CFR Section 60.755(c), shall monitor surface concentrations of methane according to the instrument specifications and procedures provided in 40 CFR Section 60.755(d). Any closed landfill that has no monitored exceedances of the operational standard in three consecutive quarterly monitoring periods may skip to annual monitoring. Any methane reading of 500 ppm or more above background detected during the annual monitoring returns the frequency for that landfill to quarterly monitoring.

**IV. RECORDKEEPING REQUIREMENTS.****# 030 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall maintain records of the sulfur content of each load of virgin No. 2 fuel oil or diesel fuel delivered to the facility as well as all fuel certification reports or analytical results sheets from which the sulfur contents were obtained.

**# 031 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) The permittee shall maintain a logbook of the facility inspections performed. The logbook shall include the name of the company representative performing each inspection, the date and time of each inspection, whether any visible emissions or visible fugitive emissions were observed, whether any odors were detected at the facility boundaries, whether any observed visible emissions, visible fugitive emissions or odor emissions were determined to be in excess of the applicable regulatory limits and the name of the manager informed if a potential exceedance is observed. The permittee shall also record any and all corrective action(s) taken to abate each recorded deviation or prevent future occurrences.

(b) All records generated pursuant to this condition shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

**# 032 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) The permittee shall keep records of the total combined amount of each individual air contaminant emitted from the entire facility each month to verify compliance with the air contaminant emissions limitations specified in Condition #007 herein.

(b) All records generated pursuant to this condition shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

**# 033 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) The permittee shall keep records of the following information:

(1) The emission of nitrogen oxides, carbon monoxides, sulfur oxides, particulate matter and non-methane hydrocarbon from Control Device ID C001 on a monthly basis to verify comply with the respective annual emission limitation.

(2) The combustion temperature of ID C001 on a continuous basis

(b) All records generated pursuant to this condition shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

**# 034 [25 Pa. Code §135.5]****Recordkeeping**

(a) The permittee shall maintain and make available upon request by the Department such records, including computerized records, as may be necessary to comply with 25 Pa. Code Section 135.3 (relating to reporting). These 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.

(b) All such records generated pursuant to this condition shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

**SECTION C. Site Level Requirements****# 035 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.35c]  
Subpart Cc - Emission Guidelines and Compliance Times for Municipal Solid Waste Landfills  
Reporting and recordkeeping guidelines.**

The permittee shall comply with all applicable recordkeeping requirements set forth in 40 CFR Section 60.35c.

**# 036 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.758]  
Subpart WWW--Standards of Performance for Municipal Solid Waste Landfills  
Recordkeeping requirements.**

The permittee of an MSW landfill subject to the provisions of 40 CFR Section 60.752(b) shall keep for at least 5 years up-to-date, readily accessible, on-site records of the maximum design capacity, the current amount of solid waste in-place, and the year-by-year waste acceptance rate. Off-site records may be maintained if they are retrievable within 4 hours. Either paper copy or electronic formats are acceptable.

**V. REPORTING REQUIREMENTS.****# 037 [25 Pa. Code §127.441]  
Operating permit terms and conditions.**

(a) The permittee shall submit the annual compliance certifications to the Department and EPA Region III, as specified in Condition #026 of Section B, General Title V Requirements, no later than September 1 (from July of the previous year through June of the current year).

(b) The permittee shall submit the semi-annual reports of required monitoring to the Department, as specified in Condition #025 of Section B, General Title V Requirements, no later than September 1 (for January through June) and March 1 (for July through December of the previous year).

**# 038 [25 Pa. Code §127.441]  
Operating permit terms and conditions.**

(a) The permittee shall submit reports to the Department on a semi-annual basis of the total combined amount of each individual air contaminant emitted from the entire facility each month to verify compliance with the air contaminant emissions limitations specified in Condition #007 herein.

(b) The semi-annual reports shall be submitted to the Department by no later than September 1 (for the July 1 of the previous year through June 30 of the concurrent year) and March 1 (for January 1 through December 31 of the previous year).

**# 039 [25 Pa. Code §127.442]  
Reporting requirements.**

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



**SECTION C. Site Level Requirements**

5. estimated rate of emissions,  
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.

**# 040 [25 Pa. Code §135.3]****Reporting**

(a) A person who owns or operates a source to which 25 Pa. Code Chapter 135 applies, and who has previously been advised by the Department to submit an annual Air Information Management Systems (AIMS) emissions report, shall submit by March 1 of each year an AIMS emissions report for the preceding calendar year. The report shall include information for all 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.

(b) A person who receives initial notification by the Department that an annual AIMS emissions report is necessary, shall submit an initial annual AIMS emissions report within sixty (60) days after receiving the notification or by March 1 of the year following the year for which the report is required, whichever is later.

(c) The permittee may request an extension of time from the Department for the filing of an annual AIMS emissions report, and the Department may grant the extension for reasonable cause.

**# 041 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.35c]****Subpart Cc - Emission Guidelines and Compliance Times for Municipal Solid Waste Landfills Reporting and recordkeeping guidelines.**

The permittee shall comply with all applicable reporting requirements set forth in 40 CFR Section 60.35c.

**# 042 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.757]****Subpart WWW--Standards of Performance for Municipal Solid Waste Landfills Reporting requirements.**

The permittee shall comply with all applicable reporting requirements set forth in 40 CFR Section 60.757.

**# 043 [40 CFR Part 62 Approval and Promulgation of State Plans §40 CFR 62.16724]****Subpart OOO - Federal Plan Requirements for Municipal Solid Waste Landfills That Commenced Construction On or Before July 17, 2014 and Have Not Been Modified or Reconstructed Since July 17, 2014 Reporting guidelines**

The permittee shall comply with all applicable reporting requirements set forth in 40 CFR Section 62.16724

**VI. WORK PRACTICE REQUIREMENTS.****# 044 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

For any source specified in 25 Pa. Code §123.1(a)(1) through (7) and (9), the permittee shall take all reasonable actions to prevent particulate matter from becoming airborne. These actions shall include, but not be limited to, the following:

**SECTION C. Site Level Requirements**

- (1) Use, where possible, of water or chemicals for control of dust in the demolition of buildings or structures, construction operations, the grading of roads or the clearing of land.
- (2) Application of asphalt, oil, or suitable chemicals on dirt roads, material stockpiles and other surfaces which may give rise to airborne dusts.
- (3) Paving and maintenance of roadways.
- (4) 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 other means.

**# 045 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this plan approval condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

(a) An operable water truck equipped with a pressurized spray mechanism shall be kept on-site and filled with water at all times (except when refilling the truck) and shall be used for the prevention and control of fugitive air contaminant emissions from site haul roads and construction/operation activities associated with the landfill. If needed, the permittee shall water each site haul road and construction/operation area at the facility when the facility is in operation at least every two hours during months of June through September and at least twice per day during rest of the calendar year. The permittee may not water each site haul road and construction/operation area at the facility if the ground is frozen or the freezing rain has fallen during the day. If at any time the fugitive dust emissions exceed the limitations of 25 Pa. Code Section 123.1, the permittee shall take such control measures as are necessary to reduce the air contaminant emissions to within the acceptable limitations.

(b) The permittee shall implement any effective winterization measure necessary to render this water truck capable of use under all weather conditions.

**# 046 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this plan approval condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

The permittee shall maintain a permanent truck wash station, which all vehicles must pass through prior to exiting the facility property. Tires and undercarriage of each vehicle shall be washed as needed to prevent carry out from the facility onto public roadways.

**# 047 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this operating permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

All trucks entering or exiting the site via a public roadway, which contain either waste or a potentially dusty material such as crushed stone, dirt, sand, ash, wood mulch, etc., shall have their truck beds completely tarped or otherwise covered unless empty. This requirement shall be posted in readily visible locations throughout the site.

**# 048 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this plan approval condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

(a) The permittee shall post speed limit signs indicating the speed limit on the unpaved haul roads to be 15 miles per hour for the prevention and control of fugitive air contaminant emissions from site haul roads.

(b) The permittee shall post speed limit signs indicating the speed limit on the paved haul roads to be 25 miles per hour for the prevention and control of fugitive air contaminant emissions from site haul roads. The permittee shall take all reasonable actions to prevent particulate matter from becoming airborne from the paved roads at the facility. These actions shall include, but not be limited to, the use of a broom attachment to the facility's backhoe, water truck or other means. The paved roads at the facility shall be cleaned on an as-needed basis.

**SECTION C. Site Level Requirements****# 049 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.752]****Subpart WWW--Standards of Performance for Municipal Solid Waste Landfills****Standards for air emissions from municipal solid waste landfills.**

The owner or operator of an MSW landfill having a design capacity equal to or greater than 2.5 million megagrams or 2.5 million cubic meters, shall either comply with paragraph (b)(2) of this section or calculate an NMOC emission rate for the landfill using the procedures specified in 40 CFR Section 60.754. The NMOC emission rate shall be recalculated annually, except as provided in 40 CFR Section 60.757(b)(1)(ii) of this subpart. The owner or operator of an MSW landfill subject to this subpart with a design capacity greater than or equal to 2.5 million megagrams or 2.5 million cubic meters is subject to Part 70 permitting requirements. When a landfill is closed, and either never needed control or meets the conditions for control system removal specified in 40 CFR Section 60.752(b)(2)(v) of this subpart, a Part 70 operating permit is no longer required.

(1) If the calculated NMOC emission rate is equal to or greater than 50 megagrams per year, the owner or operator shall:

(i) Submit a collection and control system design plan prepared by a professional engineer to the Administrator within 1 year:

(A) The collection and control system as described in the plan shall meet the design requirements of paragraph (b)(2)(ii) of this section.

(B) The collection and control system design plan shall include any alternatives to the operational standards, test methods, procedures, compliance measures, monitoring, recordkeeping or reporting provisions of 40 CFR Sections 60.753 through 60.758 proposed by the owner or operator.

(C) The collection and control system design plan shall either conform with specifications for active collection systems in 40 CFR Section 60.759 or include a demonstration to the Administrator's satisfaction of the sufficiency of the alternative provisions to 40 CFR Section 60.759.

(D) The Administrator shall review the information submitted under paragraphs (b)(2)(i)(A), (B) and (C) of this section and either approve it, disapprove it, or request that additional information be submitted. Because of the many site-specific factors involved with landfill gas system design, alternative systems may be necessary. A wide variety of system designs are possible, such as vertical wells, combination horizontal and vertical collection systems, or horizontal trenches only, leachate collection components, and passive systems.

(ii) Install a collection and control system within 18 months of the submittal of the design plan under paragraph (b)(2)(i) of this section that effectively captures the gas generated within the landfill.

(A) An active collection system shall:

(1) Be designed to handle the maximum expected gas flow rate from the entire area of the landfill that warrants control over the intended use period of the gas control or treatment system equipment;

(2) Collect gas from each area, cell, or group of cells in the landfill in which the initial solid waste has been placed for a period of:

(i) 5 years or more if active; or

(ii) 2 years or more if closed or at final grade;

(3) Collect gas at a sufficient extraction rate;

4) Be designed to minimize off-site migration of subsurface gas.

(B) A passive collection system shall:

**SECTION C. Site Level Requirements**

- (1) Comply with the provisions specified in paragraphs (b)(2)(ii), (A)(1), (2), and (4) of this section.
- (2) Be installed with liners on the bottom and all sides in all areas in which gas is to be collected. The liners shall be installed as required under 258.40 of this title.
- (iii) Route all the collected gas to a control system that complies with the requirements in either paragraph (b)(2)(iii)(A), (B) or (C) of this section.
- (A) An open flare designed and operated in accordance with 40 CFR Section 60.18;
- (B) A control system designed and operated to reduce NMOC by 98 weight-percent, or, when an enclosed combustion device is used for control, to either reduce NMOC by 98 weight percent or reduce the outlet NMOC concentration to less than 20 parts per million by volume, dry basis as hexane at 3 percent oxygen. The reduction efficiency or parts per million by volume shall be established by an initial performance test, required under 40 CFR Section 60.8 using the test methods specified in 40 CFR Section 60.754(d).
- (1) If a boiler or process heater is used as the control device, the landfill gas stream shall be introduced into the flame zone.
- (2) The control device shall be operated within the parameter ranges established during the initial or most recent performance test. The operating parameters to be monitored are specified in 40 CFR Section 60.756;
- (C) Route the collected gas to a treatment system that processes the collected gas for subsequent sale or use. All emissions from any atmospheric vent from the gas treatment system shall be subject to the requirements of paragraph (b)(2)(iii) (A) or (B) of this section.
- (iv) Operate the collection and control device installed to comply with this subpart in accordance with the provisions of 40 CFR Sections 60.753, 60.755 and 60.756.
- (v) The collection and control system may be capped or removed provided that all the conditions of paragraphs (b)(2)(v) (A), (B), and (C) of this section are met:
- (A) The landfill shall be no longer accepting solid waste and be permanently closed under the requirements of 258.60 of this title. A closure report shall be submitted to the Administrator as provided in 40 CFR Section 60.757(d);
- (B) The collection and control system shall have been in operation a minimum of 15 years; and
- (C) Following the procedures specified in 40 CFR Section 60.754(b) of this subpart, the calculated NMOC gas produced by the landfill shall be less than 50 megagrams per year on three successive test dates. The test dates shall be no less than 90 days apart, and no more than 180 days apart.

**# 050 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.753]****Subpart WWW--Standards of Performance for Municipal Solid Waste Landfills****Operational standards for collection and control systems.**

The permittee shall comply with all applicable operational standards for collection and control systems requirements set forth in 40 CFR Section 60.753.

**# 051 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.755]****Subpart WWW--Standards of Performance for Municipal Solid Waste Landfills****Compliance provisions.**

The permittee shall comply with all applicable compliance provisions requirements set forth in 40 CFR Section 60.755.

**# 052 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.759]****Subpart WWW--Standards of Performance for Municipal Solid Waste Landfills****Specifications for active collection systems.**

The permittee shall comply with all applicable specifications for active collection systems requirements set forth in 40 CFR Section 60.759.

**SECTION C. Site Level Requirements****VII. ADDITIONAL REQUIREMENTS.****# 053 [25 Pa. Code §121.7]****Prohibition of air pollution.**

No person may permit air pollution as that term is defined in the act [The Air Pollution Control Act (35 P.S. Sections 4001 through 4015)].

**# 054 [25 Pa. Code §123.31]****Limitations**

No person may permit the emission into the outdoor atmosphere of any malodorous air contaminants from any source in a manner that the malodors are detectable outside the property of the person on whose land the source is being operated.

**# 055 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

Should the NMOC emissions from the MSW landfill (includes both the North and South Side disposal areas) ever equal or exceed 50 megagrams per year (55 tons per year) the permittee shall comply with the provisions specified in 40 CFR §60.36c(b) and the following provisions:

**(a) General Conditions**

The permittee shall comply with all the applicable requirements in 40 CFR Part 60 Subpart Cc (relating to Emission Guidelines (EG) and Compliance Times for MSW landfills) which implement the Section 111(d) requirements of the Clean Air Act. The applicable requirements include emission standards, operational standards, test methods and procedures, initial design capacity report, recordkeeping and reporting requirements.

**(b) Air Emission Standards (40 CFR Section 60.33c)**

The permittee shall comply with standards for air emissions from the MSW landfills set forth in 40 CFR Section 60.752.

**(c) Operational Standards (40 CFR Section 60.34c)**

The permittee shall comply with the operation standards for the Collection and Control Systems set forth in 40 CFR Section 60.753.

**(d) Test Methods and Procedures (40 CFR Section 60.34c)**

(1) All performance tests shall be conducted in accordance with 40 CFR Section 60.754 and the Department's source testing procedures described in the latest Source Testing Manual referenced in 25 Pa Code Section 139.4(5).

(2) The permittee shall test the enclosed flare for NMOC, including the inlet and outlet concentrations, to determine the destruction efficiency of the flare.

(i) The initial testing is to be conducted within 120 days after startup of any gas collection and flaring system associated with the North side disposal area.

(ii) Testing procedures shall be submitted to the Regional Air Quality Program Manager.

**(e) Compliance Provisions (40 CFR Section 60.34c)**

The permittee shall use provisions set forth in 40 CFR Section 60.755 to demonstrate compliance with Sections 60.752 and 60.753.

**(f) Monitoring, and Recordkeeping Requirements (40 CFR Section 60.34c)**

The permittee shall comply with monitoring requirements in 40 CFR Section 60.756 which apply to the gas collection systems installed and operated at this facility.

**(g) Increments of Progress and Compliance Schedule (40 CFR Section 60.36c)**



## SECTION C. Site Level Requirements

The permittee shall comply with the following increments of progress to ensure final compliance with the EG requirements within 30 months of the date when the condition in 40 CFR Section 60.33c (a)(3) is met, i.e., NMOC emissions from the municipal solid waste landfill are equal to or in excess of 50 megagrams per year. At a minimum, increments of progress set forth in 40 CFR Section 60.21(h) shall include the following:

- (i) The permittee need not submit the Initial Design Capacity Report and NMOC Emission Rate Report to the Department as these requirements have already been met.
  - (ii) The permittee shall submit a Site-specific Collection and Control Design Plan to the Department for approval in accordance with 40 CFR Section 60.752(b)(2) within one year of the date of first Annual Emission Rate Report showing the NMOC emission rate is 50 Mg/yr or greater. When applicable, plan approval applications for the installation of gas collection systems which satisfy the requirements of Subpart Cc shall also be submitted to the Department along with Collection and Control Design Plan.
  - (iii) The permittee shall award contracts for the construction of collection and control systems or orders for purchase of components within three (3) months of approval of the Collection and Control Design Plan by DEP.
  - (iv) The permittee shall commence initial on-site construction or installation of the Collection and Control Systems shall begin within six months of Department approval of the Site-specific Collection and Control Design Plan.
  - (v) The permittee shall install control systems capable of meeting the EG within 30 months after the date the first annual NMOC emission rate equals or exceed 50 Mg/yr.
  - (vi) Following installation of the Collection and Control System, a performance test will be completed by The permittee within 180 days after submission of the Collection and Control System Design Plan to the Department. The permittee shall provide a 30-day prior written notice to the Department before commencing the performance test and a report of the performance test results shall be submitted to enable MSW landfill owners or operators to make any necessary "shakedown" adjustments and retest before the initial official performance tests.
  - (vii) Final Compliance. The permittee shall comply with the EG requirements including planning, awarding of contracts, and installation of MSW landfill air emissions collection and control equipment as expeditiously as practicable but no later than 30 months after the date the first annual nonmethane organic compound emission rate equals or exceeds 50 megagrams per year.
- (h) Reporting and Recordkeeping Requirements (40 CFR Section 60.35c)
- (1) The permittee shall comply with applicable reporting requirements specified in 40 CFR Section 60.757 (relating to reporting requirements). At a minimum, The permittee shall submit the following reports to the Department:
    - (i) A Collection and Control System Design Plan shall be submitted by The permittee within 12 months after the NMOC emission rate report shows an NMOC emission rate equal to or greater than 50 Mg/yr.
    - (ii) An Equipment Removal Report which meets the requirements of 40 CFR Section 60.757(e) shall be submitted to the Department within 30 days prior to the removal or cessation of operation of a gas collection system.
    - (iii) The Initial Performance Test Report required under 40 CFR Sections 60.8 and 60.757(g) shall be submitted by The permittee to the Department within 180 days after installation and startup of gas collection system for the entire municipal solid waste landfill.
    - (iv) The Annual Compliance Report required under 40 CFR Section 60.757(f) and (g) shall be submitted to the Department within 180 days after installation and startup of the gas collection system and shall include the Initial Performance Test Report required under 40 CFR Section 60.8.
    - (v) The Closure Report which meets the requirements of 40 CFR Section 60.757(d) shall be submitted to the Department within 30 days of the cessation of waste acceptance if the landfill is preparing to permanent closure in accordance with criteria specified in 40 CFR Section 258.60.

**SECTION C. Site Level Requirements**

(2) The permittee shall submit reports required under the Emission Guidelines and by EPA as follows:

(i) Any reports shall be submitted to:

Regional Air Program Manager  
PA Department of Environmental Protection  
208 West Third Street, Suite 101  
Williamsport, PA 17701-6448

and

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

(iii) An application, form, report or compliance certification submitted to the Department under this permit shall contain certification by a responsible official as to truth, accuracy, and completeness as required under 25 Pa. Code Section 127.402(d).

(iv) The certification by a responsible official of the facility shall state that based on information and belief formed after reasonable inquiry, the statements and information in the documents are true, and complete.

(3) The permittee shall comply with applicable recordkeeping requirements specified in 40 CFR Section 60.758 (relating to recordkeeping requirements). The records shall be kept for at least 5 years and shall include up-to-date, readily accessible, on-site records of the maximum design capacity, the current amount of solid waste in-place, and the year-by-year waste acceptance rate.

**# 056 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

For purposes of meeting the requirements of Section 111(d) of the Clean Air Act, the terms and conditions in this permit relating to 40 CFR Part 60 Subpart Cc are non-expiring and shall continue in full force and effect until modified by the Department.

**# 057 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR Section 60.33c]

The permittee shall comply with all the applicable requirements in 40 CFR Part 60, Subpart Cc (relating to Emission Guidelines [EG] and Compliance Times for MSW landfills) which implement the Section 111(d) requirements of the Clean Air Act. The applicable requirements include emission standards, operational standards, test methods and procedures, initial design capacity report, recordkeeping and reporting requirements.

**# 058 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

The permittee shall comply with all applicable requirements of 40 CFR Part 60 Subpart Cc including the reporting provisions in 40 CFR Sections 60.25c and 60.757. If a conflict arises between a Subpart Cc requirement and any other term or condition of this permit, the most stringent requirement will apply.

**# 059 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

[Additional authority for this condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

The combustion chamber temperature of Control Device ID C001 shall not be less than 1,650°F at any time. The permittee may operate Control Device C001 at a lower temperature during stack testing to demonstrate compliance with all emission limitations as specified of the Site Level Requirements.

**# 060 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

[Additional authority for this condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

**SECTION C. Site Level Requirements**

The residence time of the air contaminants in Control Device ID C001 shall not be less than 1.07 seconds.

**# 061 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this condition is derived from 25 Pa. Code Sections 127.1 and 127.12 and 40 CFR Part 60 Subpart WWW Section 60.756]

Control Device ID C001 shall be equipped with a bypass line valve in the closed position with a car-seal or a lock-and-key type configuration. A visible inspection of the seal or closure mechanism shall be performed at least once per month to ensure the valve is maintained in the closed position and that the gas flow is not diverted through the bypass line.

**# 062 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

Control Device ID C001 shall be equipped with an automatic pilot ignition system that utilizes natural gas as a separate fuel source which ensures complete and immediate combustion of the landfill gas.

**# 063 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

Control Device ID 001 shall be equipped with an automatic shut-off mechanism designed to immediately stop the flow of gases when a flame-out occurs. During restart or start-up, there should be sufficient flow of auxiliary fuel to the burners such that unburned landfill gases are not emitted to the atmosphere.

**# 064 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

Control Device ID C001 shall be designed such that there are no visible flames during normal operation.

**# 065 [25 Pa. Code §129.14]****Open burning operations**

No person may permit the open burning of material at this facility unless in accordance with 25 Pa. Code Section 129.14.

**# 066 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.36c]****Subpart Cc - Emission Guidelines and Compliance Times for Municipal Solid Waste Landfills  
Compliance times.**

The permittee shall comply with all applicable compliance time requirements set forth in 40 CFR Section 60.36c.

**VIII. COMPLIANCE CERTIFICATION.**

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

**IX. COMPLIANCE SCHEDULE.**

No compliance milestones exist.

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

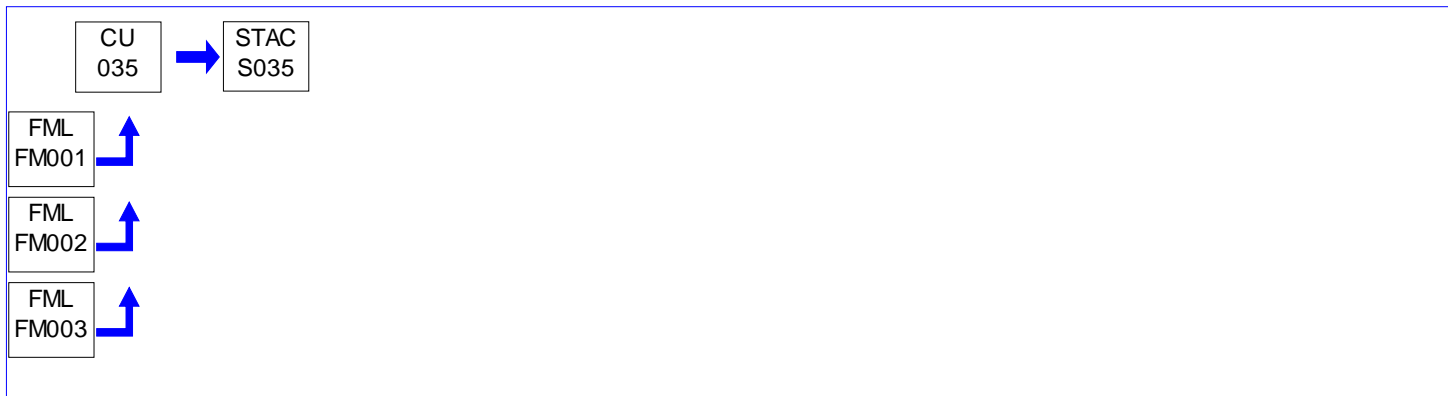


**SECTION D. Source Level Requirements**

Source ID: 035

Source Name: SPACE &amp; WATER HEATERS

Source Capacity/Throughput:

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

# 001 [25 Pa. Code §123.22]

**Combustion units**

None of the heaters incorporated in Source 035 shall emit sulfur oxides, expressed as sulfur dioxide (SO<sub>2</sub>), in excess of the rate of 4 pounds per million Btu of heat input over any 1-hour period.

**Fuel Restriction(s).**

# 002 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

- (a) The natural gas-fired heaters incorporated in Source 035 shall be fired on natural gas only.
- (b) The waste oil-fired heaters incorporated in Source 035 shall only be fired on waste oil or virgin No. 2 or lighter fuel oil.
- (c) The propane-fired heater incorporated in Source 035 shall be fired on propane only.

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

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

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

**VII. ADDITIONAL REQUIREMENTS.**

**# 003 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

Source 035 consists of the following:

- (a) one (1) 0.038 million Btu per hour Rheem model 22V40S-1 natural gas-fired hot water heater located in the scalehouse/office building.
- (b) one (1) 0.143 million Btu per hour Carrier model 395BAW048120 natural gas-fired space heater located in the scalehouse/office building.
- (c) one (1) 0.030 million Btu per hour Whirlpool model FG1F3030S3NOV natural gas-fired hot water heater located in the recycling building.
- (d) one (1) 0.167 million Btu per hour Weil McLain model CGS-6-PIN natural gas-fired space heater located in the recycling building.
- (e) two (2) 0.200 million Btu per hour Empire model UH12075-P natural gas-fired space heaters located in the recycling building.
- (f) two (2) 0.250 million Btu per hour Empire model UH1250-175P natural gas-fired space heaters located in the recycling building.
- (g) one (1) 0.426 million Btu per hour Weil McLain model 576 natural gas-fired space heater located in the leachate treatment building.
- (h) one (1) 0.200 million Btu per hour, Sterling model QVEF-200 natural gas fired heater in the maintenance building
- (i) two (2) 0.315 million Btu per hour Shenandoah model 315 waste oil-fired space heater located in the maintenance building.
- (j) one (1) 0.500 million Btu per hour Clean Burn model CB5000 waste oil-fired space heater located in the truck shop.
- (k) three (3) 0.235 million Btu per hour Reznor model RA-235 waste oil-fired space heaters located in the recycling building.
- (l) one (1) 0.020 million Btu per hour Warm Morning model V-20F-MA propane-fired space heater located in the maintenance building.
- (m) two (2) 0.195 million Btu per hour Lennox model LF24-200A(S) natural gas-fired space heaters located in the recycling building.
- (n) one (1) 0.300 million Btu per hour Sterling Radiator model QVF-300 natural gas-fired space heater located in the truck shop.
- (o) one (1) 0.18 million Btu per hour Lochinvar model CHN 1802, natural gas-fired space heater in the administration building.
- (p) two (2) 0.25 million Btu per hour Sterling model TF-250 natural gas-fired space heater in the leachate/LFG building

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

**SECTION D. Source Level Requirements**

Source ID: P100

Source Name: PORTABLE GENERATOR ENGINES

Source Capacity/Throughput:

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

# 001 [25 Pa. Code §123.13]

**Processes**

The concentration of particulate matter in the effluent gases of each engine incorporated in Source P100 shall not exceed 0.04 grains per dry standard cubic foot of effluent gas volume.

# 002 [25 Pa. Code §123.21]

**General**

The concentration of sulfur oxides, expressed as sulfur dioxide (SO<sub>2</sub>), in the effluent gases of each engine incorporated in Source P100 shall not exceed 500 parts per million, by volume, dry basis.

**Fuel Restriction(s).**

# 003 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

Each engine incorporated in Source P100 shall be fired on gasoline only.

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

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

Source P100 consists of the following:

- (a) one (1) 6,500 Watt, Honda model EB6500X, gasoline-fired portable generator engine
- (b) two (2) 2,000 Watt, Honda gasoline-fired portable generator engines.

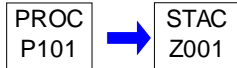
**\*\*\* Permit Shield in Effect. \*\*\***

**SECTION D. Source Level Requirements**

Source ID: P101

Source Name: HAUL ROADS

Source Capacity/Throughput:

**I. RESTRICTIONS.**

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

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

**VII. ADDITIONAL REQUIREMENTS.**

**# 001 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

Source P101 are the haul roads for the facility.

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

**SECTION D. Source Level Requirements**

Source ID: P200

Source Name: NORTH SIDE DISPOSAL AREA

Source Capacity/Throughput:

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

[Additional authority for this permit condition is derived from 40 CFR Section 62.16716(d)]

The maximum concentration of total ambient organic compounds measured (as methane) at any point on the surface of any field incorporated in Source P200 where gas extraction, collection or control is taking place shall not exceed 500 parts per million, at any time.

**II. TESTING REQUIREMENTS.**

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

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

[Additional authority for this plan approval condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

The permittee shall routinely conduct inspections of the gas extraction and collection system associated with Source P200 to ensure that no leaks of landfill gas are occurring from the system. Any such leaks shall be immediately repaired.

**# 003 [40 CFR Part 62 Approval and Promulgation of State Plans §40 CFR 62.16722]****Subpart 000 - Federal Plan Requirements for Municipal Solid Waste Landfills That Commenced Construction On or Before July 17, 2014 and Have Not Been Modified or Reconstructed Since July 17, 2014****Monitoring of operations.**

(a) The permittee shall install a sampling port and a thermometer, other temperature measuring device, or an access port for temperature measurements at each wellhead in Source P200 and:

(1) Measure the gauge pressure in the gas collection header on a monthly basis as provided in 40 CFR Section 62.16720(a)(3); and

(2) Monitor nitrogen or oxygen concentration in the landfill gas on a monthly basis as follows:

(i) The nitrogen level must be determined using EPA Method 3C of appendix A-2 of 40 CFR part 60, unless an alternative test method is established as allowed by 40 CFR Section 62.16724(d)(2).

(ii) Unless an alternative test method is established as allowed by 40 CFR Section 62.16724(d)(2), the oxygen level must be determined by an oxygen meter using EPA Method 3A of appendix A-7 of 40 CFR part 60, EPA Method 3C of appendix A-7 of 40 CFR part 60, or ASTM D6522-11. Determine the oxygen level by an oxygen meter using EPA Method 3A, 3C, or ASTM D6522-11 (if sample location is prior to combustion) except that:

(A) The span must be set between 10- and 12-percent oxygen;

**SECTION D. Source Level Requirements**

- (B) A data recorder is not required;
- (C) Only two calibration gases are required, a zero and span;
- (D) A calibration error check is not required;
- (E) The allowable sample bias, zero drift, and calibration drift are  $\pm 10$  percent.
- (iii) A portable gas composition analyzer may be used to monitor the oxygen levels provided:
  - (A) The analyzer is calibrated; and
  - (B) The analyzer meets all quality assurance and quality control requirements for EPA Method 3A or ASTM D6522-11.
- (3) Monitor temperature of the landfill gas on a monthly basis as provided in 40 CFR Section 62.16720(a)(4). The temperature measuring device must be calibrated annually using the procedure in 40 CFR Part 60, appendix A-1, EPA Method 2, section 10.3.
- (b) Each owner or operator seeking to comply with 40 CFR Section 62.16714(c) using an enclosed combustor must calibrate, maintain, and operate according to the manufacturer's specifications, the following equipment:
  - (1) A temperature monitoring device equipped with a continuous recorder and having a minimum accuracy of  $\pm 1$  percent of the temperature being measured expressed in degrees Celsius or  $\pm 0.5$  degrees Celsius, whichever is greater. A temperature monitoring device is not required for boilers or process heaters with design heat input capacity equal to or greater than 44 megawatts.
  - (2) A device that records flow to the control device and bypass of the control device (if applicable). The owner or operator must:
    - (i) Install, calibrate, and maintain a gas flow rate measuring device that must record the flow to the control device at least every 15 minutes; and
    - (ii) Secure the bypass line valve in the closed position with a car-seal or a lock-and-key type configuration. A visual inspection of the seal or closure mechanism must be performed at least once every month to ensure that the valve is maintained in the closed position and that the gas flow is not diverted through the bypass line.
- (c) Each owner or operator seeking to demonstrate compliance with the 500 parts-per-million surface methane operational standard in 40 CFR Section 62.16716(d) must monitor surface concentrations of methane according to the procedures provided in 40 CFR Section 62.16720(c) and the instrument specifications in 40 CFR Section 62.16720(d). Any closed landfill that has no monitored exceedances of the operational standard in three consecutive quarterly monitoring periods may skip to annual monitoring. Any methane reading of 500 parts-per-million or more above background detected during the annual monitoring returns the frequency for that landfill to quarterly monitoring.

**IV. RECORDKEEPING REQUIREMENTS.****# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

- (a) The permittee shall maintain accurate and comprehensive records of the following:
  - (1) The number of tons of waste disposed of each month in Source P200.
  - (2) All landfill gas flow rate records generated by the flare inlet landfill gas flow rate monitoring and recording system.
  - (3) All flue gas temperature records generated by the continuous flare temperature monitoring and recording system
  - (4) All ambient organic compound concentration data obtained during the field surface monitoring performed.
  - (5) The location, depth, area, and quantity (cubic yards) of potential asbestos-containing waste material within the disposal site on a map or diagram of Source P200

**SECTION D. Source Level Requirements**

(b) All records generated pursuant to this condition shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

**# 005 [40 CFR Part 62 Approval and Promulgation of State Plans §40 CFR 62.16726]****Subpart 000 - Federal Plan Requirements for Municipal Solid Waste Landfills That Commenced Construction On or Before July 17, 2014 and Have Not Been Modified or Reconstructed Since July 17, 2014****Recordkeeping guidelines.**

(a) The permittee shall keep records of the following for Source P200:

(1) Calibration records of monitoring equipment

(i) Date of calibration and initials of operator performing the calibration.

(ii) Calibration gas cylinder identification, certification date, and certified concentration.

(iii) Instrument scale(s) used.

(iv) A description of any corrective action taken if the meter readout could not be adjusted to correspond to the calibration gas value.

(v) If an owner or operator makes their own calibration gas, a description of the procedure used.

(2) Digital photographs of the instrument setup. The photographs must be time and date-stamped and taken at the first sampling location prior to sampling and at the last sampling location after sampling at the end of each sampling day, for the duration of the Tier 4 monitoring demonstration.

(3) Timestamp of each surface scan reading.

(i) Timestamp should be detailed to the nearest second, based on when the sample collection begins.

(ii) A log for the length of time each sample was taken using a stopwatch (e.g., the time the probe was held over the area).

(4) Location of each surface scan reading. The owner or operator must determine the coordinates using an instrument with an accuracy of at least 4 meters. Coordinates must be in decimal degrees with at least five decimal places.

(5) Monitored methane concentration (parts per million) of each reading.

(6) Background methane concentration (parts per million) after each instrument calibration test.

(7) Adjusted methane concentration using most recent calibration (parts-per-million).

(8) For readings taken at each surface penetration, the unique identification location label matching the label specified in paragraph (d) of this section.

(9) Records of the operating hours of the gas collection system for each destruction device.

(b) The permittee shall keep records generated pursuant to this condition for a minimum of five (5) years and shall be made available to the Department upon request.

**V. REPORTING REQUIREMENTS.**

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



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

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

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

[Additional authority for this permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

(a) Source P200 is the 75 acre solid waste disposal area located northwest of US Route 220. Source P200 shall be equipped with a landfill gas extraction, collection and control system.

(b) The air contaminant emissions from Source P200 shall be controlled by a a 3,900 scfm Zink Combustion model ZOTF enclosed flare (Control Device C001).

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

[Additional authority for this plan approval condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

The piping incorporated in the landfill gas collection system incorporated in Source P200 shall be sized to accommodate the maximum gas generation rate to be associated with the respective field(s). The gas collection rate shall at no time be less than the gas generation rate of the respective field.

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

[Additional authority for this plan approval condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

A measurable vacuum shall be maintained within the gas collection system associated with Source P200 at all times.

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

[Additional authority for this plan approval condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

The vertical gas wells associated with Source P200 shall be located no more than 150 feet apart. The Department reserves the option to require the installation of additional wells and/or a Department approved geosynthetic cap over Department designated areas in Source P200 in the event that well spacing does not bring the system into full compliance with the limitations and requirements specified in, or established pursuant to all applicable rules and regulations contained in 25 Pa. Code Chapters 121-145.

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

[Additional authority for this plan approval condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

Each gas well incorporated in the landfill gas extraction, collection and control system associated with Source P200 shall be equipped with a throttling valve to enable the adjustment of gas collection. Additional wells shall be added if the throttle valve adjustment cannot bring the system into full compliance with the limitations and requirements specified in, or established pursuant to, all applicable rules and regulations contained in 25 Pa. Code Chapters 121-145.

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

[Additional authority for this plan approval condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

The area of exposed waste at the active working face of Source P200 shall be kept to a minimum at all times.

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

[Additional authority for this plan approval condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

A leak-tight landfill capping system shall be placed over the gas collection system associated with Source P200 in a manner that will prevent gas leakage to the ambient air.

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

[Additional authority for this plan approval condition is derived from 25 Pa. Code Sections 127.1 and 127.12 and 40 CFR Section 60.759(a)(3)(i)]

Any segregated area of asbestos or non-degradable material located in Source ID P200 shall be excluded from the landfill gas collection system, if documented pursuant to 40 CFR Part 60 Section 60.758(d). The documentation shall provide the nature, date of deposition, location and amount of asbestos or non-degradable material deposited in the area and shall be provided to the Department upon request.

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

[Additional authority for this plan approval condition is derive from 25 Pa. Code Sections 127.1 and 127.12]

All leachate generated in Source P200 facility shall be collected and stored in the leachate storage tank at the facility until shipped off-site. The tank vent shall be equipped with carbon canisters to control the air contaminant emissions.

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

[Additional authority for this permit condition is derived from 40 CFR Section 62.16714(c)(3)]

The permittee may route the collected gas in Source P200 to the Terreva Wayne Township RNG LLC facility for subsequent sale or beneficial use such as fuel for combustion, production of vehicle fuel, production of high-Btu gas for pipeline injection, or use as a raw material in a chemical manufacturing process. Venting of treated landfill gas to the ambient air is not allowed. If the landfill gas cannot be routed for subsequent sale or beneficial use, then the landfill gas must be controlled by Control Device C001.

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

[Additional authority for this permit condition is derived from 40 CFR Section 62.16716]

The permittee shall operate each interior wellhead in the collection system incorporated in Source P200 with a landfill gas temperature less than 55 degrees Celsius (131 degrees Fahrenheit). The owner or operator may establish a higher operating temperature value at a particular well. A higher operating value demonstration must be submitted to the Administrator for approval and must include supporting data demonstrating that the elevated parameter neither causes fires nor significantly inhibits anaerobic decomposition by killing methanogens. The demonstration must satisfy both criteria in order to be approved (i.e., neither causing fires nor killing methanogens is acceptable).

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

[Additional authority for this permit condition is derived from 40 CFR Section 62.16716]

The permittee shall operate the collection system incorporated in Source P200 so that the methane concentration is less than 500 parts per million above background at the surface of the landfill. To determine if this level is exceeded, the owner or operator must conduct surface testing using an organic vapor analyzer, flame ionization detector, or other portable monitor meeting the specifications provided in 40 CFR Section 62.16720(d). The owner or operator must conduct surface testing around the perimeter of the collection area and along a pattern that traverses the landfill at no more than 30-meter intervals and where visual observations indicate elevated concentrations of landfill gas, such as distressed vegetation and cracks or

**SECTION D. Source Level Requirements**

seeps in the cover and all cover penetrations. Thus, the owner or operator must monitor any openings that are within an area of the landfill where waste has been placed and a gas collection system is required. The owner or operator may establish an alternative traversing pattern that ensures equivalent coverage. A surface monitoring design plan must be developed that includes a topographical map with the monitoring route and the rationale for any site-specific deviations from the 30-meter intervals. Areas with steep slopes or other dangerous areas may be excluded from the surface testing.

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

The landfill gas generated at Source P200 may be directed to the Terreva Wayne Township RNG, LLC facility, provided Terreva Wayne Township RNG, LLC complies with the conditions and requirements of Plan Approval 18-00035A.

**# 019 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.30c]****Subpart Cc - Emission Guidelines and Compliance Times for Municipal Solid Waste Landfills****Scope.**

Source P200 is subject to the requirements of 40 CFR part 60 Subpart Cc Sections 60.30c through 60.36c. The permittee shall comply with all applicable requirements specified in 40 CFR Part 60 Subpart Cc Sections 60.30c through 60.36c.

**# 020 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.750]****Subpart WWW--Standards of Performance for Municipal Solid Waste Landfills****Applicability, designation of affected facility, and delegation of authority.**

Source P200 is subject to the requirements of 40 CFR Part 60 Subpart WWW Sections 60.750 through 60.759. The permittee shall comply with all applicable requirements of 40 CFR Sections 60.750 through 60.759.

**# 021 [40 CFR Part 62 Approval and Promulgation of State Plans §40 CFR 62.16710]****Subpart OOO - Federal Plan Requirements for Municipal Solid Waste Landfills That Commenced Construction On or Before July 17, 2014 and Have Not Been Modified or Reconstructed Since July 17, 2014****Scope and delegated authorities.**

Source P200 is subject to the requirements of 40 CFR Part 62 Subpart OOO Sections 62.16710 through 62.16730 - Federal Plan Requirements for Municipal Solid Waste Landfills That Commenced Construction On or Before July 17, 2014 and Have Not Been Modified or Reconstructed Since July 17, 2014. The permittee shall comply will all applicable requirements of 40 CFR Part 62 Subpart OOO Sections 62.16710 through 62.16730.

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

**SECTION D. Source Level Requirements**

Source ID: P201

Source Name: SOUTH SIDE DISPOSAL AREA &amp; GAS COLLECTION SYSTEM

Source Capacity/Throughput:

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

# 001 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR Section 62.16716(d)]

The maximum concentration of total ambient organic compounds measured (as methane) at any point on the surface of any field incorporated in Source P201 where gas extraction, collection or control is taking place shall not exceed 500 parts per million, at any time.

**Throughput Restriction(s).**

# 002 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

[Additional authority for this operating permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

The total amount of waste disposed of in Source P201 shall not exceed 438,000 tons in any 12 consecutive month period.

**II. TESTING REQUIREMENTS.**

# 003 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

Gas extraction and collection system leak tests and pressure and oxygen level audits shall be performed on the gas collection system associated with Source P201 at least once per month. The results shall be logged and kept on file for at least five (5) years and made available to the Department upon request.

# 004 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

By no later than August 1, 2025, and every four (4) years thereafter, the permittee shall conduct stack testing on the Control Device C001 associated with Source P201 while operating at maximum normal capacity to determine the non-methane organic compound, nitrogen oxides and carbon monoxide emission rates as well as the non-methane organic compound destruction efficiency in Control Device C001.

**III. MONITORING REQUIREMENTS.**

# 005 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

Field surface monitoring for ambient organic compounds shall be done on the fields incorporated in Source P201 in accordance with the monitoring plan outlined in the June 29, 1999 submittal from the permittee to the Department (approved December 1, 1999). Monitoring shall be conducted no less frequently than once per calendar quarter.

# 006 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall routinely conduct inspections of the gas extraction and collection system associated with Source P201 to ensure that no leaks of landfill gas are occurring from the system. Any such leaks shall be immediately repaired.

**SECTION D. Source Level Requirements****# 007 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this operating permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

A measurable vacuum shall be maintained within the gas collection system associated with Source P201 at all times.

**# 008 [40 CFR Part 62 Approval and Promulgation of State Plans §40 CFR 62.16722]****Subpart 000 - Federal Plan Requirements for Municipal Solid Waste Landfills That Commenced Construction On or Before July 17, 2014 and Have Not Been Modified or Reconstructed Since July 17, 2014****Monitoring of operations.**

(a) The permittee shall install a sampling port and a thermometer, other temperature measuring device, or an access port for temperature measurements at each wellhead in Source P201 and:

(1) Measure the gauge pressure in the gas collection header on a monthly basis as provided in 40 CFR Section 62.16720(a)(3); and

(2) Monitor nitrogen or oxygen concentration in the landfill gas on a monthly basis as follows:

(i) The nitrogen level must be determined using EPA Method 3C of appendix A-2 of 40 CFR part 60, unless an alternative test method is established as allowed by 40 CFR Section 62.16724(d)(2).

(ii) Unless an alternative test method is established as allowed by 40 CFR Section 62.16724(d)(2), the oxygen level must be determined by an oxygen meter using EPA Method 3A of appendix A-7 of 40 CFR part 60, EPA Method 3C of appendix A-7 of 40 CFR part 60, or ASTM D6522-11. Determine the oxygen level by an oxygen meter using EPA Method 3A, 3C, or ASTM D6522-11 (if sample location is prior to combustion) except that:

(A) The span must be set between 10- and 12-percent oxygen;

(B) A data recorder is not required;

(C) Only two calibration gases are required, a zero and span;

(D) A calibration error check is not required;

(E) The allowable sample bias, zero drift, and calibration drift are  $\pm 10$  percent.

(iii) A portable gas composition analyzer may be used to monitor the oxygen levels provided:

(A) The analyzer is calibrated; and

(B) The analyzer meets all quality assurance and quality control requirements for EPA Method 3A or ASTM D6522-11.

(3) Monitor temperature of the landfill gas on a monthly basis as provided in 40 CFR Section 62.16720(a)(4). The temperature measuring device must be calibrated annually using the procedure in 40 CFR Part 60, appendix A-1, EPA Method 2, section 10.3.

(b) Each owner or operator seeking to comply with 40 CFR Section 62.16714(c) using an enclosed combustor must calibrate, maintain, and operate according to the manufacturer's specifications, the following equipment:

(1) A temperature monitoring device equipped with a continuous recorder and having a minimum accuracy of  $\pm 1$  percent of the temperature being measured expressed in degrees Celsius or  $\pm 0.5$  degrees Celsius, whichever is greater. A temperature monitoring device is not required for boilers or process heaters with design heat input capacity equal to or greater than 44 megawatts.

(2) A device that records flow to the control device and bypass of the control device (if applicable). The owner or operator

**SECTION D. Source Level Requirements**

must:

- (i) Install, calibrate, and maintain a gas flow rate measuring device that must record the flow to the control device at least every 15 minutes; and
- (ii) Secure the bypass line valve in the closed position with a car-seal or a lock-and-key type configuration. A visual inspection of the seal or closure mechanism must be performed at least once every month to ensure that the valve is maintained in the closed position and that the gas flow is not diverted through the bypass line.
- (c) Each owner or operator seeking to demonstrate compliance with the 500 parts-per-million surface methane operational standard in 40 CFR Section 62.16716(d) must monitor surface concentrations of methane according to the procedures provided in 40 CFR Section 62.16720(c) and the instrument specifications in 40 CFR Section 62.16720(d). Any closed landfill that has no monitored exceedances of the operational standard in three consecutive quarterly monitoring periods may skip to annual monitoring. Any methane reading of 500 parts-per-million or more above background detected during the annual monitoring returns the frequency for that landfill to quarterly monitoring.

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

- (a) The permittee shall maintain records of the location, depth, area, and quantity (cubic yards) of potential asbestos-containing waste material within the disposal site on a map or diagram of Source P201.
- (b) All records generated pursuant to this condition shall be retained for a minimum of five (5) years and shall be made available to the department upon request.

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

- (a) The four perimeter monitoring probes shall be checked for evidence of off-site gas migration once per calendar quarter, but not more than 15 weeks apart.
- (b) All records generated pursuant to this permit condition shall be retained for a minimum of five (5) years and made available to the Department upon request.

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

[Additional authority for this operating permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

- (a) The permittee shall maintain accurate and comprehensive records of the following:
  - (1) The field surface monitoring records for ambient organic compounds performed in accordance with the monitoring plan outlined in the June 29, 1999 submittal from the permittee to the Department.
  - (2) The number of tons of waste disposed of each month in Source P201.
  - (3) All flue gas temperature records generated by the continuous flare temperature monitoring and recording system.
  - (4) All landfill gas flow rate records generated by the flare inlet landfill gas flow rate monitoring and recording system.
  - (5) All ambient organic compound concentration data obtained during the field surface monitoring performed pursuant to Condition #005 herein.
- (b) All records generated pursuant to this condition shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

**SECTION D. Source Level Requirements****# 012 [40 CFR Part 62 Approval and Promulgation of State Plans §40 CFR 62.16726]****Subpart 000 - Federal Plan Requirements for Municipal Solid Waste Landfills That Commenced Construction On or Before July 17, 2014 and Have Not Been Modified or Reconstructed Since July 17, 2014****Recordkeeping guidelines.**

(a) The permittee shall keep records of the following for Source P201:

(1) Calibration records of monitoring equipment

(i) Date of calibration and initials of operator performing the calibration.

(ii) Calibration gas cylinder identification, certification date, and certified concentration.

(iii) Instrument scale(s) used.

(iv) A description of any corrective action taken if the meter readout could not be adjusted to correspond to the calibration gas value.

(v) If an owner or operator makes their own calibration gas, a description of the procedure used.

(2) Digital photographs of the instrument setup. The photographs must be time and date-stamped and taken at the first sampling location prior to sampling and at the last sampling location after sampling at the end of each sampling day, for the duration of the Tier 4 monitoring demonstration.

(3) Timestamp of each surface scan reading.

(i) Timestamp should be detailed to the nearest second, based on when the sample collection begins.

(ii) A log for the length of time each sample was taken using a stopwatch (e.g., the time the probe was held over the area).

(4) Location of each surface scan reading. The owner or operator must determine the coordinates using an instrument with an accuracy of at least 4 meters. Coordinates must be in decimal degrees with at least five decimal places.

(5) Monitored methane concentration (parts per million) of each reading.

(6) Background methane concentration (parts per million) after each instrument calibration test.

(7) Adjusted methane concentration using most recent calibration (parts-per-million).

(8) For readings taken at each surface penetration, the unique identification location label matching the label specified in paragraph (d) of this section.

(9) Records of the operating hours of the gas collection system for each destruction device.

(b) The permittee shall keep records generated pursuant to this condition for a minimum of five (5) years and shall be made available to the Department upon request.

**V. REPORTING REQUIREMENTS.**

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

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

[Additional authority for this operating permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

The area of exposed waste at the active working face of the landfill shall be kept to a minimum at all times.

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

[Additional authority for this operating permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

(a) The Department of Environmental Protection reserves the right to require the permittee to make any or all of the following modifications or improvements to the landfill gas collection system and/or practices in use at this site should the Department determine that such modifications or improvements are needed for the landfill to comply with the malodorous air contaminant emission requirement of 25 Pa. Code Section 123.31 or the requirements specified in any other applicable rule or regulation of the Department of Environmental Protection or any applicable requirement specified in, or established pursuant to, Subpart Cc of the federal Standards of Performance for New Stationary Sources, 40 CFR Sections 60.30c through 60.36c:

- (1) The use of a cementitious material identified as "Posi-Shell" (or an alternate material determined by the Department of Environmental Protection to be equivalent to "Posi-Shell") for alternate daily cover.
- (2) The use of a temporary geomembrane cover over the intermediate cover.
- (3) The use of temporary landfill gas collection lines beneath the temporary geomembrane cover.
- (4) The construction of horizontal and vertical landfill gas extraction wells beyond those required by Condition #019 herein.
- (5) The use of leachate recirculation lines as landfill gas collection lines.

(b) The permittee may voluntarily make any of the above-listed modifications or improvements at any time without obtaining plan approval from the Department of Environmental Protection.

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

[Additional authority for this operating permit condition is derived from 40 CFR Section 60.759(a)(3)(i)]

Any segregated area of asbestos or non-degradable material located in Source ID P201 shall be excluded from the landfill gas collection system, if documented pursuant to 40 CFR Part 60 Section 60.758(d). The documentation shall provide the nature, date of deposition, location and amount of asbestos or non-degradable material deposited in the area and shall be provided to the Department upon request.

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

[Additional authority for this operating permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

A leak-tight landfill capping system shall be placed over the gas collection system associated with Source P201 in a manner that will prevent gas leakage to the ambient air.

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

[Additional authority for this operating permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12]



**SECTION D. Source Level Requirements**

All piping incorporated in the landfill gas collection system associated with Source P201 shall be sized to accommodate the maximum gas generation rate throughout the life of the landfill.

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

[Additional authority for this operating permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

The vertical gas wells associated with Source P201 shall be located no more than 200 feet apart. The Department reserves the option to require the installation of additional wells and/or a Department approved geosynthetic cap over Department designated areas in Source P201 in the event that well spacing does not bring the system into full compliance with the limitations and requirements specified in, or established pursuant to, all applicable rules and regulations contained in 25 Pa. Code Chapters 121-145.

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

[Additional authority for this operating permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

Gas collection and destruction in a field incorporated in Source P201 shall commence no later than two (2) years after refuse has first been deposited within that field. At that time all wells within the field shall be tied into the gas collection system associated with Source P201. No gas well shall be vented directly to the atmosphere from a field at any time after gas collection is required to commence.

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

[Additional authority for this operating permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

Each gas well incorporated in the landfill gas extraction, collection and control system associated with Source P201 shall be equipped with a throttling valve to enable the adjustment of gas collection. Additional wells shall be added if the throttle valve adjustment can not bring the system into full compliance with the limitations and requirements specified in, or established pursuant to, all applicable rules and regulations contained in 25 Pa. Code Chapters 121-145.

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

Source P201 is the South side disposal area of the solid waste landfill that includes the following:

- (a) the South side disposal area, a 33.2-acre site located southeast of United States Route 220; and
- (b) a landfill gas extraction, collection and control system.
- (c) The air contaminant emissions from the landfill gas extraction and collection system shall be controlled by a 3,900 scfm Zink Combustion model ZOTF enclosed flare (Control Device C001).

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

[Additional authority for this operating permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

The landfill gas extraction, collection and control system associated with Source P201 shall consist of a series of vertical wells as well as horizontally-orientated gas collection piping. The gas collected with this system shall be controlled by Control Device C001.

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

The landfill gas generated at Source P201 may be directed to the Terreva Wayne Township RNG, LLC facility, provided Terreva Wayne Township RNG, LLC complies with the conditions and requirements of Plan Approval 18-00035A.

**SECTION D. Source Level Requirements****# 024 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR Section 62.16714(c)(3)]

The permittee may route the collected gas in Source P201 to the Terreva Wayne Township RNG LLC facility for subsequent sale or beneficial use such as fuel for combustion, production of vehicle fuel, production of high-Btu gas for pipeline injection, or use as a raw material in a chemical manufacturing process. Venting of treated landfill gas to the ambient air is not allowed. If the landfill gas cannot be routed for subsequent sale or beneficial use, then the landfill gas must be controlled by Control Device C001.

**# 025 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is derived from 40 CFR Section 62.16716]

(a) The permittee shall operate each interior wellhead in the collection system incorporated in Source P201 with a landfill gas temperature less than 55 degrees Celsius (131 degrees Fahrenheit). The owner or operator may establish a higher operating temperature value at a particular well. A higher operating value demonstration must be submitted to the Administrator for approval and must include supporting data demonstrating that the elevated parameter neither causes fires nor significantly inhibits anaerobic decomposition by killing methanogens. The demonstration must satisfy both criteria in order to be approved (i.e., neither causing fires nor killing methanogens is acceptable).

**# 026 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.750]****Subpart WWW--Standards of Performance for Municipal Solid Waste Landfills****Applicability, designation of affected facility, and delegation of authority.**

Source ID P201 is subject to the requirements of 40 CFR Part 60 Subpart WWW Sections 60.750 through 60.759. The permittee shall comply with all applicable requirements of 40 CFR Section 60.750 through 60.759.

**# 027 [40 CFR Part 62 Approval and Promulgation of State Plans §40 CFR 62.16710]****Subpart OOO - Federal Plan Requirements for Municipal Solid Waste Landfills That Commenced Construction On or Before July 17, 2014 and Have Not Been Modified or Reconstructed Since July 17, 2014****Scope and delegated authorities.**

Source P201 is subject to the requirements of 40 CFR Part 62 Subpart OOO Sections 62.16710 through 62.16730 - Federal Plan Requirements for Municipal Solid Waste Landfills That Commenced Construction On or Before July 17, 2014 and Have Not Been Modified or Reconstructed Since July 17, 2014. The permittee shall comply will all applicable requirements of 40 CFR Part 62 Subpart OOO Sections 62.16710 through 62.16730.

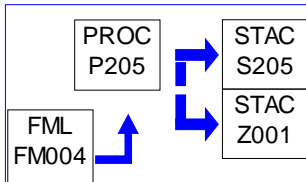
**\*\*\* Permit Shield in Effect. \*\*\***

**SECTION D. Source Level Requirements**

Source ID: P205

Source Name: PORTABLE TUB GRINDER

Source Capacity/Throughput:

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

The concentration of particulate matter in the effluent gas of the diesel engine incorporated in Source P205 shall not exceed 0.04 grains per dry standard cubic foot of effluent gas volume.

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

The concentration of sulfur oxides, expressed as sulfur dioxide (SO<sub>2</sub>), in the effluent gas of the diesel engine incorporated in Source P205 shall not exceed 500 parts per million, by volume, dry basis.

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

[Additional authority for this operating permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

The diesel engine incorporated in Source P205 shall not emit nitrogen oxides in excess of 6.49 grams per horsepower-hour, total hydrocarbons in excess of 0.075 grams per horsepower-hour, carbon monoxide in excess of 0.75 grams per horsepower-hour or particulate matter in excess of 0.067 grams per horsepower-hour.

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

[Additional authority for this operating permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

[Compliance with the requirements specified in this permit condition assures compliance with the provisions in 25 Pa. Code Section 123.41]

The visible emissions from the exhaust of the diesel engine incorporated in Source P205 shall not equal or exceed 10% opacity for a period or periods aggregating more than three (3) minutes in any one (1) hour or equal or exceed 30% opacity at any time.

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

[Additional authority for this operating permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

The sulfur content of the fuel used in the diesel engine incorporated in Source P205 shall not exceed 0.3% by weight. Additionally, the only fuel used in the diesel engine incorporated in Source P205 shall be virgin diesel fuel to which no reclaimed or reprocessed oil, waste oil or other waste materials have been added.

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

[Additional authority for this operating permit condition is derived from 25 Pa. Code Sections 27.1 and 127.12]

**SECTION D. Source Level Requirements**

Source P205 shall not be operated more than 1,000 hours in any 12 consecutive month period.

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

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

(a) The permittee shall maintain records of the number of hours that Source P205 is operated during each month.

(b) All records generated pursuant to this condition shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

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

[Additional authority for this operating permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

(a) The permittee shall submit a report to the Department each year listing the number of hours that Source P205 operated during each month of the prior year.

(b) The annual reports shall be submitted to the Department by no later than March 1 each year (for the immediately-preceding January 1 through December 31 twelve consecutive month period).

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

[Additional authority for this operating permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

Only clean wood and green woodwaste such as tree limbs, shrubs, etc. shall be processed in Source P205.

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

[Additional authority for this operating permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

Source P205 shall utilize water spray nozzles and/or a water spray wand to control any fugitive particulate matter emissions.

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

[Additional authority for this operating permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

**SECTION D. Source Level Requirements**

Source P205 is a Morbark 1300 portable tub grinder powered by a 1,000 horsepower Caterpillar model 3412E diesel-fired internal combustion reciprocating engine.

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

**SECTION D. Source Level Requirements**

Source ID: P206

Source Name: PORTABLE TUB GRINDER #2

Source Capacity/Throughput:

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

The concentration of particulate matter in the effluent gas of the diesel engine incorporated in Source P206 shall not exceed 0.04 grains per dry standard cubic foot of effluent gas volume.

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

The concentration of sulfur oxides, expressed as sulfur dioxide (SO<sub>2</sub>), in the effluent gas of the diesel engine incorporated in Source P206 shall not exceed 500 parts per million, by volume, dry basis.

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

[Additional authority for this operating permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12 and 40 CFR 89.112]

The diesel engine incorporated in Source P206 shall not emit nitrogen oxides plus total hydrocarbons in excess of 6.4 grams per kilowatt-hour, particulate matter in excess of 0.20 grams per kilowatt-hour or carbon monoxide in excess of 3.5 grams per kilowatt-hour.

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

[Additional authority for this operating permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

The sulfur content of the fuel used in the diesel engine incorporated in Source P206 shall not exceed 0.3% by weight. Additionally, the only fuel used in the diesel engine incorporated in Source P206 shall be virgin diesel fuel to which no reclaimed or reprocessed oil, waste oil or other waste materials have been added.

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

[Additional authority for this operating permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

[Compliance with the requirements specified in this permit condition assures compliance with the provisions in 25 Pa. Code Section 123.41]

The visible emissions from the exhaust of the diesel engine incorporated in Source P206 shall not equal or exceed 10% opacity for a period or periods aggregating more than three (3) minutes in any one (1) hour or equal or exceed 30% opacity at any time.

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

[Additional authority for this permit condition is derived from the permittee requesting this elective limitation]

The permittee shall not operate Source P206 more than 2,500 hours in any 12 consecutive month period.

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

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

(a) The permittee shall keep records of the number of hours that Source P206 is operated on a monthly basis.

(b) All records generated pursuant to this condition shall be kept for a minimum of five (5) years and shall be made available to the Department upon request.

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.****# 008 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this operating permit condition is derived from 25 Pa. Code §§127.1 and 127.12]

Only clean wood and green woodwaste such as tree limbs, shrubs, etc. shall be processed in Source P206.

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

[Additional authority for this operating permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

Source P206 shall be equipped with water spray nozzles and/or a water spray wand to control any fugitive particulate matter emissions.

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

[Additional authority for this operating permit condition is derived from 25 Pa. Code Sections 127.1 and 127.12]

Source P206 is a Morbark 1300 portable tub grinder powered by a 1,050 horsepower Caterpillar model C27 diesel-fired internal combustion reciprocating engine.



**SECTION D. Source Level Requirements**

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



**SECTION D. Source Level Requirements**

Source ID: P207

Source Name: PORTABLE WATER PUMPS

Source Capacity/Throughput:

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

# 001 [25 Pa. Code §123.13]

**Processes**

The concentration of particulate matter in the effluent gas of Source P207 shall not exceed 0.04 grains per dry standard cubic foot of effluent gas volume.

# 002 [25 Pa. Code §123.21]

**General**

The concentration of sulfur oxides, expressed as sulfur dioxide (SO<sub>2</sub>), in the effluent gas of Source P207 shall not exceed 500 parts per million, by volume, dry basis.

**Fuel Restriction(s).**

# 003 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

Source P207 shall be fired on diesel fuel only.

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

**IV. RECORDKEEPING REQUIREMENTS.**

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

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

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

Source P207 consists of the following:

- (a) one (1) portable 4-inch Whacker water pump that is powered by a 16 horsepower Vanguard diesel-fired engine.
- (b) two (2) portable 96 brake horsepower diesel-fired, water pump engines.

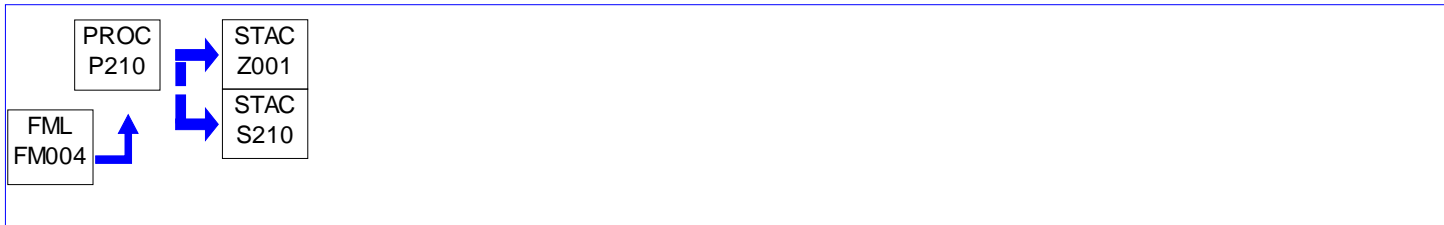
**\*\*\* Permit Shield in Effect. \*\*\***

**SECTION D. Source Level Requirements**

Source ID: P210

Source Name: PORTABLE TROMMEL SCREEN #2

Source Capacity/Throughput:

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

The concentration of particulate matter in the effluent gas of the diesel engine incorporated in Source P210 shall not exceed 0.04 grains per dry standard cubic foot of effluent gas volume.

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

The concentration of sulfur oxides, expressed as sulfur dioxide (SO<sub>2</sub>), in the effluent gas of the diesel engine incorporated in Source P210 shall not exceed 500 parts per million, by volume, dry basis.

**# 003 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.672]****Subpart 000 - Standards of Performance for Nonmetallic Mineral Processing Plants  
Standard for particulate matter.**

The fugitive emissions at the transfer point of each belt conveyor associated with Source P210 shall not exceed 7% opacity, at any time.

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

[Additional authority for this permit condition is derived from the permittee taking this elective restriction]

Source P210 shall not operate for more than 4,380 hours in any 12 consecutive month period.

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

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

(a) The permittee shall maintain records of the number of hours Source P210 is operated each month.

(b) All such records generated pursuant to this condition shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

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

(a) The permittee shall submit an annual report including the number of hours that Source P210 operated each month.

(b) The annual report shall be submitted by no later than March 1 (for January 1 through December 31 of the previous year).

**# 007 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.4]****Subpart A - General Provisions****Address.**

The submission of all requests, reports, applications, submittals and other communications required by the Standards of Performance for New Stationary Sources (40 CFR Part 60 Subpart OOO) shall be submitted to both the U. S. Environmental Protection Agency and the Department. The Environmental Protection Agency copies may be sent to:

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

and

The Pennsylvania Department of Environmental Protection  
Air Quality Program Manager  
208 W. Third Street, Suite 101  
Williamsport, PA 17701-6448

**VI. WORK PRACTICE REQUIREMENTS.**

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

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

Source P210 is a 300 tons per hour McCloskey International model PT727621REWT portable trommel screen powered by a 174 horsepower Caterpillar model C6.6 ACERT diesel-fired engine.

**# 009 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.670]****Subpart OOO - Standards of Performance for Nonmetallic Mineral Processing Plants****Applicability and designation of affected facility.**

Source P210 is subject to the requirements of 40 CFR Part 60 Subpart OOO Sections 60.670 through 676. The permittee shall comply with all applicable requirements of 40 CFR Part 60 Subpart OOO Sections 60.670 through 60.676.

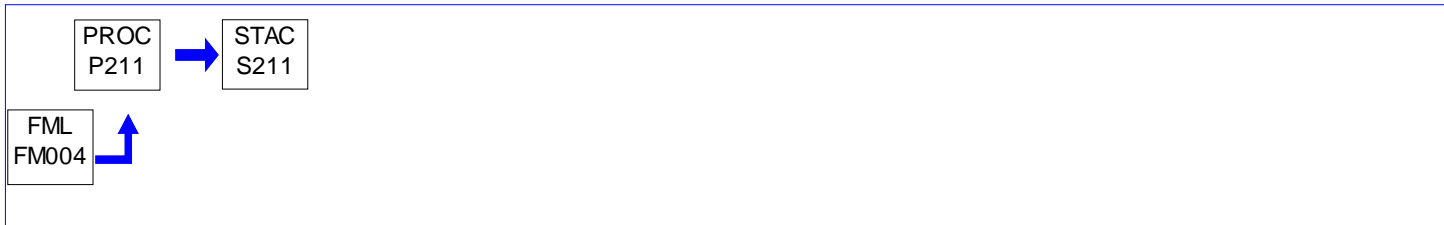
**\*\*\* Permit Shield in Effect. \*\*\***

**SECTION D. Source Level Requirements**

Source ID: P211

Source Name: EMERGENCY GENERATOR ENGINE

Source Capacity/Throughput:

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

# 001 [25 Pa. Code §123.13]

**Processes**

The concentration of particulate matter in the exhaust of Source P211 shall not exceed 0.04 grains per dry standard cubic foot of effluent gas volume.

# 002 [25 Pa. Code §123.21]

**General**

The concentration of sulfur oxides, expressed as sulfur dioxide (SO<sub>2</sub>), in the exhaust from Source P211 shall not exceed 500 parts per million, by volume, dry basis.

**Fuel Restriction(s).**

# 003 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

Source P211 shall only be fired on diesel fuel only.

**Operation Hours Restriction(s).**

# 004 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

The permittee shall not operate Source P211 equal to or greater than 500 hours in any 12 consecutive month period.

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

# 005 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6625]

**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines****What are my monitoring, installation, operation, and maintenance requirements?**

Source P211 shall be equipped with a non-resettable hour meter.

**IV. RECORDKEEPING REQUIREMENTS.**

# 006 [25 Pa. Code §127.441]

**Operating permit terms and conditions.**

(a) The permittee shall keep records of the hours of operation of Source P211 on a monthly basis.

(b) The records generated pursuant to this condition shall be retained for a minimum of five (5) years and be made available to the Department upon request.

**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 (Title V General Requirements).

**VI. WORK PRACTICE REQUIREMENTS.**

**# 007 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6625]**

**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines**

**What are my monitoring, installation, operation, and maintenance requirements?**

The permittee shall operate and maintain Source P211 in accordance with the manufacturer's specifications.

**VII. ADDITIONAL REQUIREMENTS.**

**# 008 [25 Pa. Code §127.441]**

**Operating permit terms and conditions.**

Source P211 is an emergency generator equipped with a 487 brake horsepower, Caterpillar model 3408B, diesel-fired engine.

**# 009 [40 CFR Part 63 NESHAPS for Source Categories §40 CFR 63.6603]**

**Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines**

**What emission limitations, operating limitations, and other requirements must I meet if I own or operate an existing stationary RICE located at an area source of HAP emissions?**

The permittee shall perform the following on Source P211:

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

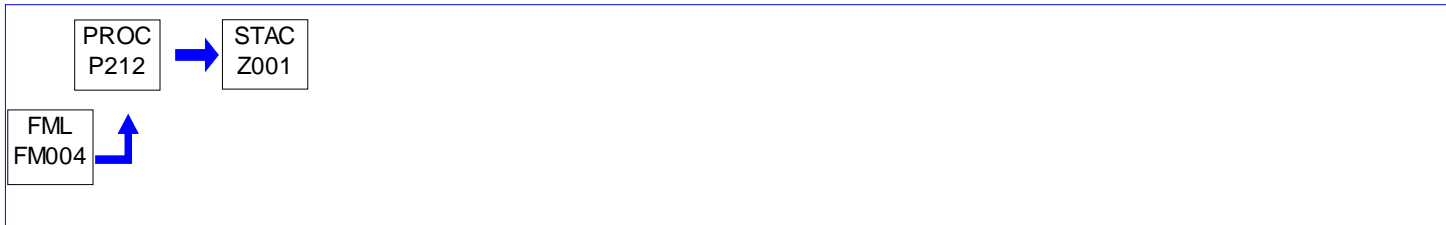
**\*\*\* Permit Shield in Effect. \*\*\***

**SECTION D. Source Level Requirements**

Source ID: P212

Source Name: PORTABLE MOBISCREEN SCREENER WITH STACKER

Source Capacity/Throughput:

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

The concentration of particulate matter in the effluent gas of each engine incorporated in Source P212 shall not exceed 0.04 grains per dry standard cubic foot of effluent gas volume.

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

The concentration of sulfur oxides, expressed as sulfur dioxide (SO<sub>2</sub>), in the effluent gas of each engine incorporated in Source P212 shall not exceed 500 parts per million, by volume, dry basis.

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

[Additional authority for this permit condition is derived from 40 CFR Section 1039]

(a) The emissions from the 132 brake horsepower Deutz Tier 4 Final diesel engine shall not exceed the following limitations:

- (1) nitrogen oxide + non-methane hydrocarbons - 2.98 grams per brake horsepower-hour
- (2) carbon monoxide - 2.61 grams per brake horsepower-hour
- (3) particulate matter - 0.22 grams per brake horsepower-hour

(b) The emissions from the 47.6 brake horsepower Yanmar Tier 4 Final diesel engine shall not exceed the following limitations:

- (1) nitrogen oxide + non-methane hydrocarbons - 5.59 grams per brake horsepower-hour
- (2) carbon monoxide - 4.10 grams per brake horsepower-hour
- (3) particulate matter - 0.45 grams per brake horsepower-hour

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

[Additional authority for this permit condition is derived from 40 CFR Section 1090.305]

Each engine incorporated in Source P212 shall be fired on diesel fuel only. The sulfur content of the diesel fuel shall not exceed 15 parts per million.

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

The equipment incorporated in Source P212 shall not operate more than 1,800 hours in any 12 consecutive month period.

**II. TESTING REQUIREMENTS.**

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

**III. MONITORING REQUIREMENTS.**

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

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

(a) The permittee shall keep records of the number of hours that the equipment incorporated in Source P212 is operated on a monthly basis and the supporting calculations used to verify compliance with the operational hour limitation.

(b) The records generated pursuant to this condition shall be kept for a minimum of five (5) years and shall be made available to the Department upon request.

**V. REPORTING REQUIREMENTS.**

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

**VI. WORK PRACTICE REQUIREMENTS.**

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

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

Source P212 is a portable screener with stack which includes the following equipment:

(a) one (1) Kleeman MS952i EVO Mobiscreen portable screener powered by a 132 bhp Deutz Tier 4 Final diesel engine

(b) one (1) Kleeman KT-80 stacker powered by a 47.6 bhp Yanmar Tier 4 Final diesel engine

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





**SECTION E. Source Group Restrictions.**



**SECTION F. Alternative Operation Requirements.**

No Alternative Operations exist for this Title V facility.



**SECTION G. Emission Restriction Summary.**

No emission restrictions listed in this section of the permit.

**SECTION H. Miscellaneous.**

The following air contaminant sources are considered to be of minor significance to the Department and have been determined to be exempt from permit requirements. However, this determination does not exempt the sources from compliance with all applicable air quality regulations specified in 25 Pa. Code Chapters 121-145:

- (1) petroleum product-contaminated soil as intermediate cover which shall comply with the requirements specified in Department's June 2, 1998 letter to the permittee.
- (2) one (1) 914,800-gallon leachate pond.
- (3) one (1) 300-gallon vented gasoline storage tank.
- (4) two (2) 100-gallon propane storage tanks located outside the maintenance building.
- (5) six (6) 500-gallon portable military surplus storage tanks located outside the maintenance building.
- (6) two (2) 500-gallon portable military surplus storage tanks located outside the recycling building.
- (7) one (1) 500-gallon waste oil storage tank located inside the recycling building.
- (8) one (1) 250-gallon waste oil storage tank located inside the recycling building.
- (9) one (1) 500-gallon waste oil storage tank located inside the maintenance building.
- (10) one (1) cold cleaning machine. The permittee shall only use cleaning solution with a volatile organic compound content of less than 5%, by weight, in the cold cleaning machine.
- (11) one (1) 30.9 brake horsepower, Kohler model 20RCA, diesel-fired emergency generator engine (Gate House)
- (12) one (1) 2,350,000-gallon leachate storage tank

---

Title V Operating Permit TVOP 18-00009 was originally issued and became effective on January 9, 2001.

Revision No. 1, issued June 25, 2004, was an administrative amendment to include the terms and conditions from Plan Approval 18-00009A for the operation of Control Device C201, an enclosed flare used to burn landfill/natural gas.

Revision No. 2, issued August 25, 2005, was an administrative amendment to include the terms and conditions of Plan Approval 18-00009B for the operation of Source P203, a portable tub grinder.

TVOP 18-00009 was renewed on September 27, 2007.

TVOP 18-00009 was renewed on July 31, 2013.

TVOP 18-00009 was renewed on September 12, 2018.

TVOP 18-00009 was administratively amended on October 18, 2019, to incorporate the terms and conditions of Plan Approval 18-00009F.

TVOP 18-00009 was renewed on January 31, 2024, which incorporated the terms and conditions of Plan Approval 18-00009G.



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

---