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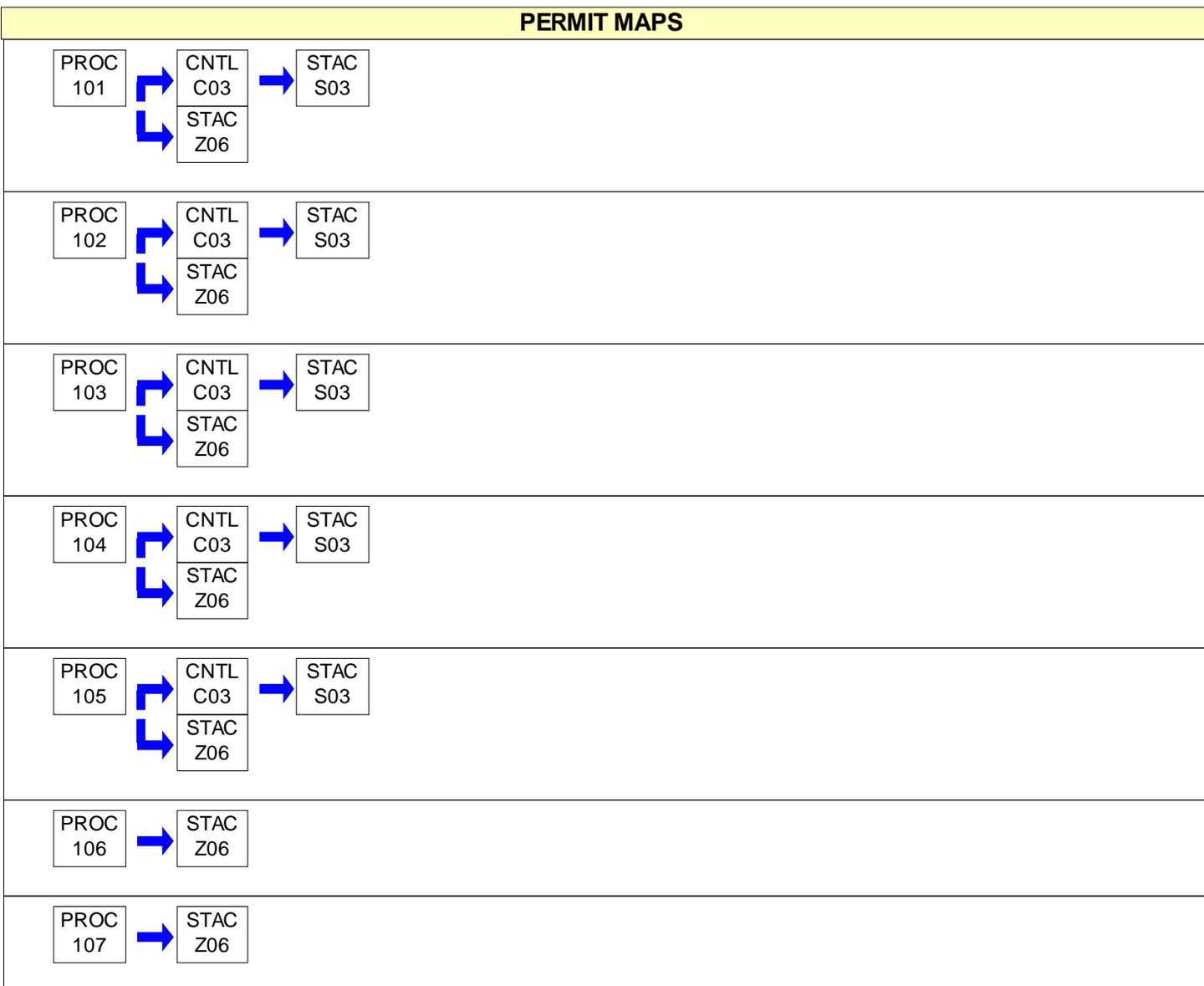
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**SECTION A. Site Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
101	LANDFILL CELL A	50.000 Cu Yd/HR	MUNICIPAL SOLID WASTE
102	LANDFILL CELL B-1	50.000 Cu Yd/HR	MUNICIPAL SOLID WASTE
103	LANDFILL STRIP EXPANSION CELL	100.000 Cu Yd/HR	MUNICIPAL SOLID WASTE
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Z06	FUGITIVE: LANDFILL		

PERMIT MAPS

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

**SECTION B. General Title V Requirements**

the Department.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

R3_Air_Apps_and_Notices@epa.gov

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

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

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

R3_Air_Apps_and_Notices@epa.gov

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

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

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

R3_Air_Apps_and_Notices@epa.gov

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

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

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

R3_Air_Apps_and_Notices@epa.gov

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

(2) One ton of NO_x from a single source during the term of the permit and 5 tons of NO_x at the facility during the term of the permit.

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

(4) Six-tenths of a ton of PM₁₀ from a single source during the term of the permit and 3.0 tons of PM₁₀ at the facility during the term of the permit. This shall include emissions of a pollutant regulated under Section 112 of the Clean Air Act unless precluded by the Clean Air Act or 25 Pa. Code Article III.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Enforcement & Compliance Assurance Division
Air, RCRA and Toxics Branch (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.

(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 § 127.513]**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

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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.

#025 [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.
- (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.

#026 [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.

**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) Sources and classes of sources other than those identified in paragraphs (a) - (e), for which the operator has obtained a determination from the Department in accordance with 25 Pa. Code Section 123.1(b) that fugitive emissions from the source, after appropriate control, meet the following requirements:
 - (i) The emissions are of minor significance with respect to causing air pollution; and
 - (ii) The emissions are not preventing or interfering with the attainment or maintenance of any ambient air quality standard.

002 [25 Pa. Code §123.2]**Fugitive particulate matter**

No person shall permit fugitive particulate matter to be emitted into the outdoor atmosphere from a source specified in the preceding permit Condition #001, Section C, if such emissions are visible at the point the emissions pass outside the person's property.

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

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

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

No person shall emit visible air contaminants into the outdoor atmosphere in such a manner that the opacity of the emission is either of the following unless otherwise stated in this permit:

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

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

The limitations of 25 Pa. Code Section 123.41 (relating to limitations) do 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.
- (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 Section C, Condition #001 (relating to prohibition of certain fugitive emissions).

**SECTION C. Site Level Requirements****# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall limit the facility's annual emissions to less than the following thresholds during any consecutive 12-month period:

- (a) PM-10 - 36 tons
- (b) NOx - 15.8 tons
- (c) CO - 52.6 tons
- (d) SOx - 24 tons
- (e) VOC - 5.7 tons
- (f) HAP (single) - less than 10 tons
- (g) HAP (total) - less than 25 tons

Compliance verification requires emissions to be calculated and recorded for each month and each consecutive 12-month period.

II. TESTING REQUIREMENTS.**# 007 [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 certified, to measure plume opacity with the naked eye, as per EPA Method 9, or with the aid of any devices approved by the Department.

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

The Department reserves the right to require exhaust stack testing of any source as necessary during the permit term to verify emissions for purposes including emission fees, malfunctions or permit condition violations.

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

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 such 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.

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

- (a) Unless otherwise approved in writing by DEP, the permittee shall do the following for any performance testing:
 - (1) Submit to DEP a test protocol for review and approval within 60 days of commencing an emissions testing program, and not conduct the test that is the subject of the protocol until the protocol has been approved by DEP.
 - (2) If DEP finds deficiencies in the protocol, the permittee shall provide a response to DEP addressing the deficiencies within 30 days of being notified of the deficiencies.
 - (3) Complete the performance test within 90 days of DEP's approval of the test protocol.
- (b) Pursuant to 25 Pa. Code § 139.3 at least 15 calendar days prior to commencing an emission testing program, notification as to the date and time of testing shall be given to the appropriate Regional Office. Notification shall also be sent to the Division of Source Testing and Monitoring. Notification shall not be made without prior receipt of a protocol acceptance letter from the Department.
- (c) Pursuant to 25 Pa. Code Section 139.53(a)(3) within 15 calendar days after completion of the on-site testing portion of an emission test program, if a complete test report has not yet been submitted, an electronic mail notification shall be sent

**SECTION C. Site Level Requirements**

to the Department's Division of Source Testing and Monitoring and the appropriate Regional Office indicating the completion date of the on-site testing.

(d) Pursuant to 40 CFR Part 60.8(a), 40 CFR Part 61.13(f) and 40 CFR Part 63.7(g) a complete test report shall be submitted to the Department no later than 60 calendar days after completion of the on-site testing portion of an emission test program. For those tests being conducted pursuant to 40 CFR Part 61, a complete test report shall be submitted within 31 days after completion of the test

(e) Pursuant to 25 Pa. Code Section 139.53(b) a complete test report shall include a summary of the emission results on the first page of the report indicating if each pollutant measured is within permitted limits and a statement of compliance or non-compliance with all applicable permit conditions. The summary results will include, at a minimum, the following information:

- (1) A statement that the owner or operator has reviewed the report from the emissions testing body and agrees with the findings.
- (2) Permit number(s) and condition(s) which are the basis for the evaluation.
- (3) Summary of results with respect to each applicable permit condition.
- (4) Statement of compliance or non-compliance with each applicable permit condition.

(f) Pursuant to 25 Pa. Code § 139.3 to all submittals shall meet all applicable requirements specified in the most current version of the Department's Source Testing Manual.

(g) All testing shall be performed in accordance with the provisions of Chapter 139 of the Rules and Regulations of the Department of Environmental Protection.

(h) Pursuant to 25 Pa. Code Section 139.53(a)(1) and 139.53(a)(3) all submittals, besides notifications, shall be accomplished through PSIMS*Online available through <https://www.depgreenport.state.pa.us/ecomm/Login.jsp> when it becomes available. If internet submittal cannot be accomplished, submittal shall be made as follows:

Regional Office:

Digital copy (only): RA-epscstacktesting@pa.gov

Bureau of Air Quality:

Paper copy: PA DEP, Bureau of Air Quality, Division of Source Testing and Monitoring, 400 Market Street, 12th Floor Rachael Carson State Office Building, Harrisburg, PA 17105-8468

Digital copy: RA-epstacktesting@pa.gov

(i) The permittee shall ensure all federal reporting requirements contained in the applicable subpart of 40 CFR are followed, including timelines more stringent than those contained herein. In the event of an inconsistency or any conflicting requirements between state and the federal, the most stringent provision, term, condition, method or rule shall be used by default.

III. MONITORING REQUIREMENTS.

011 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall conduct a daily inspection around the facility periphery during the daylight hours when the facility is in production to detect visible emissions, fugitive emissions and malodors as follows:

- (a) Visible emissions in excess of the limits stated in Section Condition #004. Visible emissions may be measured according to the methods specified in Section C, Condition #007. As an alternative, facility personnel who observe such visible emissions shall report each incident to the Department within two hours of each occurrence and make arrangements for a certified observer to read the visible emissions.
- (b) Presence of visible fugitive emissions and fugitive particulate matter beyond the plant property boundaries, as stated in Section C, Condition #002.

**SECTION C. Site Level Requirements**

(c) Presence of odors beyond the facility property boundaries that have the potential to be malodorous as stated in Section C, Condition #003.

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

The permittee shall maintain a logbook of inspections as referenced in Section C, Condition #011. The logbook shall include, at a minimum, the following information:

- (1) The name of the company representative doing the observation.
- (2) The date and time of the monitoring.
- (3) The wind direction noted during the observation.
- (4) A description of any emissions and/or malodors observed and actions taken to mitigate them. If none, record "NONE."

These records shall be maintained at the facility for the most recent five (5) year period and be made available to the Department upon request.

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

The permittee shall keep the following records:

- (a) The maximum design capacity of each cell as approved by the Department
- (b) The current amount of waste in each cell at the end of each month
- (c) The amount of waste accepted each calendar year starting with the year 2008
- (d) The location of each well and vented manhole in each cell
- (e) The date and location of each new well or vent installed in each cell
- (f) The location of all underground or aboveground piping that is part of the gas collection system

V. REPORTING REQUIREMENTS.**# 014 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

The permittee shall report malfunctions 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. Failures that are caused in part by poor maintenance or careless operation are not malfunctions. Malfunctions shall be reported as follows:

(a) Malfunctions which pose an imminent danger to public health, safety, welfare and the environment, shall be immediately reported to the Department by telephone. The telephone report of such malfunctions shall occur no later than two hours after discovery of the incident. Telephone reports can be made to the Reading District Office at (610) 916-0100 during normal business hours, or to the Department's Emergency Hotline at any time. The Emergency Hotline phone number is changed/updated periodically. The current Emergency Hotline phone number can be found at <https://www.dep.pa.gov/About/Regional/SouthcentralRegion/Pages/default.aspx>. The permittee shall submit a written report of instances of such malfunctions to the Department within three (3) days of the telephone report.

(b) Unless otherwise required by this permit, any other malfunction that is not subject to the reporting requirement of subsection (a) above, shall be reported to the Department, in writing, within five (5) days of malfunction discovery.

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

(a) This Title V Operating Permit incorporates by reference all of the provisions of Plan Approvals 06-05112D & 06-05112E. Based on this incorporation, any violation of these plan approvals would also be deemed a violation of this Title V Operating Permit.

(b) This incorporation of these plan approvals into this Title V Operating Permit shall not be construed to require the permittee to implement the projects that are the subject of these plan approvals, unless an enforcement action, regulation or statute independently requires otherwise.

(c) This Title V permit shall not be construed to provide any independent, ongoing authority for the construction or operation of the projects that are the subjects of Plan Approvals 06-05112D & 06-05112E, unless and until the permittee applies for, and is granted, future administrative amendment(s) to this Title V permit for those project(s), once each of them has been determined by DEP to have completed their respective temporary operation phases under the authority of those plan approvals.

016 [25 Pa. Code §127.512]**Operating permit terms and conditions.**

Pursuant to Section C, Category VIII. COMPLIANCE CERTIFICATION below, the permittee shall forward the annual compliance certification report to U.S. EPA electronically, in lieu of a hard copy version, to the following email address (unless otherwise specified by DEP or EPA): 'R3_APD_Permits@epa.gov'.

017 [25 Pa. Code §129.14]**Open burning operations**

(a) No person may permit the open burning of material in the air basin except where the open burning operations result from the following:

(1) A fire set to prevent or abate a fire hazard, when approved by the Department and set by or under the supervision of a public officer.

(2) Any fire set for the propose of instructing personnel in fire fighting, when approved by the Department.

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

(4) A fire set in conjunction with the production of agricultural commodities in their unmanufactured state on the premises of the farm operation.

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

(6) A fire set solely for cooking food.

(b) This permit does not constitute authorization to burn solid waste pursuant to Section 610(3) of the Solid Waste Management Act, 35 P. S. Section 6018.610(3), or any other provision of the Solid Waste Management Act.

VIII. COMPLIANCE CERTIFICATION.

The permittee shall submit within thirty days of 01/01/2021 a certificate of compliance with all permit terms and conditions set forth in this Title V permit as required under condition #026 of section B of this permit, and annually thereafter.

IX. COMPLIANCE SCHEDULE.

No compliance milestones exist.

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

**SECTION D. Source Level Requirements**

Source ID: 101

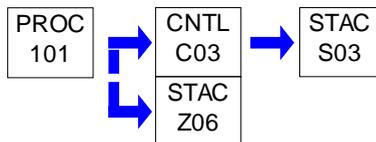
Source Name: LANDFILL CELL A

Source Capacity/Throughput:

50.000 Cu Yd/HR

MUNICIPAL SOLID WASTE

Conditions for this source occur in the following groups: SG02

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

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall place no more waste in Cell A.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall limit the amount of waste disposed in the landfill to that set by the DEP in the current Waste Management Permit.

Operation Hours Restriction(s).

003 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall limit the operations on the cell to the hours set by the Department's current Waste Management Permit.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

004 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall, at a minimum, conduct leak checks once per month on each gas vent and vented manhole. No leak shall exceed 500 ppmv propane (1365 ppmv as methane) at a distance of 0.5 inches.

005 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Monthly, the permittee shall monitor each wellhead and vented manhole for temperature of the gas, gauge pressure of the well or vent and oxygen content of the gas using approved methods.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Until the cell is subject to the NSPS regulations, the permittee shall use the gas vent limits of Section E, Group SG01, Condition #007 as guidelines for potential problems with the cell. The permittee shall notify the Department of any exceedances of these guidelines.

007 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall implement a program to monitor for cover integrity and implement cover repairs as necessary.

**SECTION D. Source Level Requirements****IV. RECORDKEEPING REQUIREMENTS.****# 008 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall maintain records of all monitoring, inspections and repairwork. These records may be included and maintained with the records for the other cells at the facility. The permittee shall clearly identify how the records are being recorded and maintained.

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

The permittee shall notify the Department thirty (30) days prior to any changes in the cell's gas collection system.

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

The permittee shall report all malfunctions and excursions, corrective actions taken, dates, times, durations and possible causes of the events to the Department every six months. This shall be part of the semi-annual compliance reports. The report shall include all monitoring down times not associated with malfunctions and/or excursions.

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

The permittee shall notify the Department's Air Quality Program of any changes to their permit limitations under the Department's Waste Management Program that effect the requirements and conditions within this permit.

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

All gas vents and vented manholes shall be airtight and be equipped so that the following can be measured:

- (a) Pressure differential between the vent and the atmosphere
- (b) Temperature of the gas in the vent
- (c) The oxygen content of the gas in the vent

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

The permittee shall vent the cell to the No. 1 enclosed flare. The only exemption to this is if the permittee is actively working on parts of the cell or the collection and control system.

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

Until the cell is subject to the NSPS regulations, the permittee shall use the NSPS collection system work practices in Section E, Source Group SG01, Condition #036 as guidelines for potential problems with the system. The permittee shall notify the Department of any actions using these guidelines.

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

Cell A is not subject to the Department's "Best Available Technology" (BAT) requirements as found in this permit. The cell is subject to the requirements of 40 CFR 60, Subpart WWW, but is not subject to any other requirements that are not within this section until the landfill generates 50 megagrams of NMOCs per year. Once the facility reaches this level, Cell A is subject to all of the 40 CFR 60, Subpart WWW and 40 CFR 63, Subpart AAAA requirements.

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



SECTION D. Source Level Requirements

Source ID: 102

Source Name: LANDFILL CELL B-1

Source Capacity/Throughput: 50.000 Cu Yd/HR MUNICIPAL SOLID WASTE

Conditions for this source occur in the following groups: SG01 LANDFILL CELLS
SG02
SG03



I. RESTRICTIONS.

Emission Restriction(s).

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall limit the amount of waste disposed in the landfill to that set by the DEP in the current Waste Management Permit.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Cell B-1 is subject to the Department's "Best Available Technology" requirements and 40 CFR 60, Subpart WWW requirements. The cell becomes subject to 40 CFR 63, Subpart AAAA requirements should the uncontrolled emissions of NMOCs reach 50 Megagrams per year.



SECTION D. Source Level Requirements

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

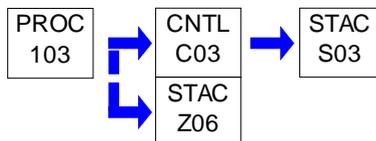
**SECTION D. Source Level Requirements**

Source ID: 103

Source Name: LANDFILL STRIP EXPANSION CELL

Source Capacity/Throughput: 100.000 Cu Yd/HR MUNICIPAL SOLID WASTE

Conditions for this source occur in the following groups: SG01 LANDFILL CELLS
 SG02
 SG03

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

The permittee shall limit the amount of waste disposed in the landfill to that set by the DEP in the current Waste Management Permit.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

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

The Strip Expansion Cell is subject to the Department's "Best Available Technology" requirements and 40 CFR 60, Subpart WWW requirements. The cell becomes subject to 40 CFR 63, Subpart AAAA requirements should the uncontrolled emissions of NMOCs reach 50 Megagrams per year.



SECTION D. Source Level Requirements

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

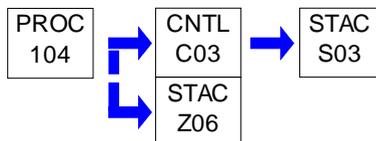
**SECTION D. Source Level Requirements**

Source ID: 104

Source Name: LANDFILL EASTERN EXPANSION CELL

Source Capacity/Throughput: 100.000 Cu Yd/HR MUNICIPAL SOLID WASTE

Conditions for this source occur in the following groups: SG01 LANDFILL CELLS
 SG02
 SG03

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

The permittee shall limit the amount of waste disposed in the landfill to that set by the DEP in the current Waste Management Permit.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

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

The Eastern Expansion Cell is subject to the Department's "Best Available Technology" requirements and 40 CFR 60, Subpart WWW requirements. The cell becomes subject to 40 CFR 63, Subpart AAAA requirements should the uncontrolled emissions of NMOCs reach 50 Megagrams per year.



SECTION D. Source Level Requirements

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

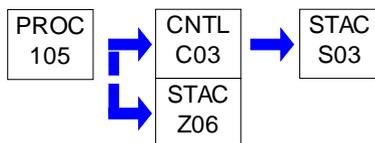
**SECTION D. Source Level Requirements**

Source ID: 105

Source Name: LANDFILL CELL C

Source Capacity/Throughput:

Conditions for this source occur in the following groups: SG01 LANDFILL CELLS
SG02
SG03

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

001 [25 Pa. Code §127.441]

Operating permit terms and conditions.

The permittee shall limit the amount of waste disposed in the landfill to that set by the DEP in the current Waste Management Permit.

II. TESTING REQUIREMENTS.

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

III. MONITORING REQUIREMENTS.

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

IV. RECORDKEEPING REQUIREMENTS.

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

V. REPORTING REQUIREMENTS.

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

VI. WORK PRACTICE REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

002 [25 Pa. Code §127.441]

Operating permit terms and conditions.

Cell C is subject to the Department's "Best Available Technology" requirements and 40 CFR 60, Subpart WWW requirements. The cell becomes subject to 40 CFR 63, Subpart AAAA requirements should the uncontrolled emissions of NMOCs reach 50 Megagrams per year.

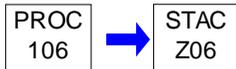
***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 106

Source Name: PAVED AND UNPAVED ROADWAYS

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

The permittee shall maintain sufficient records to determine the annual emissions from the various roadways at the facility.

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

The permittee shall maintain records of the sweeping and/or watering activities in a daily log for both paved and unpaved roadways and unloading areas. The permittee shall also record all maintenance actions on the various roadways.

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

(a) On paved roadways, the permittee shall:

- (1) During dry periods, sweep and/or water at least twice each day of operation, and
- (2) During wet periods, sweep and/or water as necessary to control dust and mud.

(b) On unpaved roadways, unloading areas and shoulders, the permittee shall:

- (1) During dry periods, water at least twice per day, and
- (2) During wet periods, water as necessary.

(c) On all roadways, under all conditions, the permittee shall not apply water in amounts that result in muddy conditions. The permittee shall clean-up any dirt or mud carried off the landfill as necessary.

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

The permittee may use Department approved dust suppression agents (such as calcium chloride) to minimize dust emissions from both paved and unpaved roadways and unloading areas. Use of these agents shall be recorded with the other roadway maintenance records.

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

The permittee shall follow their plan for the minimization of mud as found in the facility's plan for the Department's Waste Management Program. The permittee shall make a copy of this plan available to the Department upon request.

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

(a) The permittee shall limit the vehicle speed at the landfill as follows:

- (1) Paved roadways - 25 miles per hour
- (2) Unpaved areas - 15 miles per hour

(b) The permittee shall post speed limit signs approximately every 5,000 feet and at all points of speed change on all permanent or semi-permanent roadways.

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

All vehicles entering and exiting the facility shall be covered.

VII. ADDITIONAL REQUIREMENTS.

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

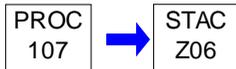
***** Permit Shield in Effect. *****

**SECTION D. Source Level Requirements**

Source ID: 107

Source Name: CONSTRUCTION

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

The permittee shall maintain sufficient records to determine the annual emissions from the construction operations at the landfill.

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

Unless otherwise approved by the Department, the permittee shall apply for and receive a General Permit (GP-3) for any equipment brought to the facility to process non-metallic minerals.

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

**SECTION E. Source Group Restrictions.**

Group Name: SG01 LANDFILL CELLS
 Group Description: Municipal Solid Waste Landfill Cells

Sources included in this group

ID	Name
102	LANDFILL CELL B-1
103	LANDFILL STRIP EXPANSION CELL
104	LANDFILL EASTERN EXPANSION CELL
105	LANDFILL CELL C

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

(a) The permittee shall limit the emissions from the No. 1 Enclosed Ground Flare to the following rates:

- (1) PM-10 - 0.04 grains per dry standard cubic foot
- (2) Sulfur Oxides - 500 parts per million, by volume, @ 3 percent oxygen
- (3) Non Methane Organic Compounds (NMOC) - 20 part per million, by volume, @ 3 percent oxygen or 98 percent destruction.

[Additional authority for parts of this condition are derived from 25 PA Code Section 127.1, BAT, 40 CFR 60, Subpart WWW, & OP 06-03090]

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

(a) The permittee shall limit the emissions from the various fill areas (including Cell A) and flare during any consecutive 12-month period to the following:

- (1) PM-10 - 10.1 tons
- (2) HCl - 1.2 tons

[Additional authority for this condition is derived from 25 PA Code Section 127.1, BAT, & PA 06-5112A]

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

The permittee shall operate the enclosed ground flare in a manner that results in no visible emission. Except during start-up, shutdown or malfunctions, the flame shall not be visible above the top of the shroud.

[Additional authority for this condition is derived from 25 PA Code Section 127.1, BAT]

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

The permittee shall limit the operation of the cells to the hours set by the Department's current Waste Management Permit.

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

The permittee shall limit the amount of waste disposed in each cell to that set by the Department's current Waste Management Permit and this permit.

**SECTION E. Source Group Restrictions.****# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall limit the daily fill rate to that set by the Department's current Waste Management Permit.

Control Device Efficiency Restriction(s).**# 007 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The gas temperature in the interior wellheads shall be less than 55°C (131°F), and shall have either a nitrogen (N₂) level less than 20 percent or an oxygen (O₂) level less than 5 percent. When approved by the Department, the permittee may establish a higher operating temperature, nitrogen and oxygen values at a particular well, after demonstrating that the elevated parameter does not cause fires or significantly inhibit anaerobic decomposition by killing methanogens.

[Additional authority for this condition is derived from 25 PA Code Section 127.1, BAT]

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

(a) The permittee shall maintain a minimum temperature at the top of the combustion zone in the enclosed ground flare. This temperature shall not drop more than 50°F (10°C) below the required temperature during any three hour period during the operation of the enclosed ground flare.

(b) The minimum temperature limit for the flare shall be 1500°F. This temperature limit shall be adjusted to the average temperature measure during the most recent source testing for NMOC or the NMOC destruction efficiency, that showed the flare in compliance with the NMOC limits.

(c) The permittee shall note on the temperature records where the temperature was measured and why it was being measured at this point.

[Additional authority for this condition is derived from 25 PA Code Section 127.1, BAT]

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

The permittee shall determine the average temperature in the combustion zone of the enclosed ground flare during each NMOC source testing period. This temperature shall be maintained as the minimum temperature of Condition #008 above during the operation of the flare in accordance with this permit.

[Additional authority for this condition is derived from 25 PA Code Section 127.1, BAT and 40 CFR 60, Subpart WWW]

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

(a) The permittee shall conduct a stack test on the flare for NMOC reduction efficiency or the outlet concentration prior to submitting the permit renewal application utilizing methodology outlined in 40 CFR 60.754, 25 Pa. Code Section 139 and the Department's Source Testing Manual or by other means approved by the Department. The stack test(s) shall be performed at least 180 days prior to the expiration of this permit, unless otherwise approved in writing by the Department.

(b) This testing requirement may be exempted if the required testing in other conditions within this permit have or will be conducted within this time period.

[Additional authority for this condition is derived from 25 PA Code Section 127.1, BAT and 40 CFR 60, Subpart WWW]

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

(a) The nitrogen level shall be determined by using the test method as set forth in 49 CFR Part 60, Method 3C, unless the Department has approved an alternative test method.

**SECTION E. Source Group Restrictions.**

(b) The oxygen content shall be determined by using the test method set forth in 40 CFR Part 60, Method 3A, unless the Department has approved an alternative test method.

- (1) The span shall be set so that the regulatory limit is between 20 and 50 percent of the span,
- (2) A data recorder is not required,
- (3) Only two calibration gases are required, a zero and span, and ambient air may be used as the span,
- (4) A calibration error check is not required, and
- (5) The allowable sample bias, zero shift and calibration drift are 10 percent.

[Additional authority for this condition is derived from 25 PA Code Section 127.1, BAT]

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

(a) At a minimum, the permittee shall conduct monthly leak checks on gas pumps, the flare and the parts of the associated landfill gas handling equipment under positive pressure located at the flare. No leaks shall exceed 500 ppmv as propane (1365 ppmv as methane) at a distance of 0.5 inches.

(b) These checks are not required on any enclosed ground flare and associated equipment that is operating for periods less than 12 continuous hours at a time. Any flare and associated equipment that is operating for periods longer than 12 continuous hours, but less than 24 hours, the permittee shall conduct the checks once per quarter. Once the flare and associated equipment is operating continuously (24 hours per day), the checks shall be as noted in the first paragraph.

(c) If the permittee or the Department notices an odor of landfill gas at the flare or associated equipment, a leak check of all equipment shall be conducted.

[Additional authority for this condition is derived from 25 PA Code Section 127.1, BAT & 06-05112C]

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

The permittee shall operate and maintain a gas flow rate measuring device on the enclosed ground flare that provides a measurement of the gas flow to the flare. The device shall record the gas flow rate at least every 15 minutes.

[Additional authority for this condition is derived from 25 PA Code Section 127.1, BAT and 40 CFR 60, Subpart WWW]

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

The permittee shall install and maintain temperature measuring and recording devices on the enclosed ground flare that show the temperature of the gases in the combustion zone. The recording device shall be a continuous recorder having an accuracy of plus or minus one percent on the temperature being measured expressed in degrees Celsius or plus or minus 0.5 degrees Celsius, whichever is greater.

[Additional authority for this condition is derived from 25 PA Code Section 127.1, BAT and 40 CFR 60, Subpart WWW]

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

The permittee shall observe the flare daily for visible emissions.

[Additional authority for this condition is derived from 25 PA Code Section 127.1, BAT]

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

The permittee shall implement a program to monitor for the cover integrity and implement cover repairs as necessary on a monthly basis.

[Additional authority for this condition is derived from 25 PA Code Section 127.1, BAT and 40 CFR, 60.755]

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

**SECTION E. Source Group Restrictions.**

- (a) At a minimum, the permittee shall conduct monitoring of the wellheads monthly for temperature, either nitrogen or oxygen content and gauge pressure using approved methods.
- (b) To comply with the above, the permittee shall install and maintain a sampling port on each wellhead, so that the above measurements can be made. The permittee shall maintain on site equipment that can measure at a minimum the temperature and gauge pressure on each well. The permittee shall provide this equipment upon the Department's request.

[Additional authority for this condition is derived from 25 PA Code section 127.1, BAT]

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

At a minimum, the permittee shall monitor the surface concentrations of methane once per quarter in areas of the cells equipped with a collector system. The monitoring shall be conducted in accordance with the surface monitoring plan approved by the Department. This monitoring shall be along the perimeter of the collection area and along a serpentine pattern spaced 30 meters apart (or a site-specific established spacing). Monitoring shall also take place in areas where visual observation indicate elevated concentrations of landfill gas and/or there is a protrusion through the final cover, including wells. The permittee shall use an organic vapor analyzer, flame ionization detector or other portable monitor meeting the specifications provided in 40 CFR Part 60, Subpart WWW, Section 60.755(d).

- (a) The background concentration shall be determined by moving the probe inlet upwind and downwind outside the boundary of the cells at a distance of at least 30 meters from the perimeter wells.
- (b) The surface emission monitoring shall be in accordance with Method 21.
- (c) The probe shall be placed within 5 to 10 centimeters of the surface.
- (d) The monitoring shall be performed during typical meteorological conditions.

The permittee shall maintain a surface monitoring plan for the cells. The plan shall be updated each time the permittee adds additional collection area. The permittee shall submit the modified monitoring plan semi-annually. If no changes have been made the plan does not need to be submitted to the Department.

[Additional authority for this condition is derived from 25 PA Code Section 127.1, BAT and 40 CFR Section 60.755]

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

(a) The permittee shall maintain the following records:

- (1) The monthly volume of gas entering the No. 1 Enclosed Ground Flare,
- (2) The monthly emissions of PM-10, NO_x, CO, SO_x, VOC, HCl and HAP from the landfill (including Cell A),
- (3) A 12-month rolling total of gas entering the No. 1 Enclosed Ground Flare,
- (4) A 12-month rolling total emissions of PM-10, NO_x, CO, SO_x, VOC, HCl and HAP from the landfill (including Cell A),
- (5) Total area of the landfill (including Cell A) with a gas collection system installed at the end of each month,
- (6) Total area of landfill (including Cell A) with a final cap in place at the end of each month,
- (7) Total area of landfill (including Cell A) at final grade without a collection system and/or cap at the end of each month, and
- (8) Total area of landfill (including Cell A) in active disposal or not at final grade at the end of each month.

(b) The permittee shall calculate the emissions in a manner approved by the Department.

[Additional authority for this condition is derived from 25 PA Code Section 127.1, BAT and 40 CFR 60, Subpart WWW]

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

The permittee shall record the results of any inspections of the equipment associated with the enclosed ground flare in a manner approved by the Department. These records shall include any corrective actions taken.

**SECTION E. Source Group Restrictions.**

[Additional authority for this condition is derived from 25 PA Code Section 127.1, BAT]

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

The permittee shall record all inspections and calibrations of the monitoring, measuring and recording devices. Any adjustments, repairs and/or replacements shall be recorded. These shall include the date and personnel conducting the action.

[Additional authority for this condition is derived from 25 PA Code Section 127.1, BAT]

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

The permittee shall record all surface monitoring readings. All readings of 500 ppmv or more of methane above the background at any location, during the landfill surface monitoring, shall be recorded as exceedances and corrective actions taken. All corrective actions taken shall be recorded along with the remonitoring results. As long as the specified corrective actions in this permit are taken, per Condition #047, the exceedance is not a violation of the operating requirements.

[Additional authority for this condition is derived from 25 PA Code Section 127.1, BAT]

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

The permittee shall comply with the following recordkeeping requirements for all cells of the landfill including Cell A:

- (a) The permittee shall keep on the site records of the maximum design capacity, the current amount of solid waste in place and a year by year waste acceptance rate,
- (b) The permittee shall keep records of all visible emission readings, heat content determinations, gas flow to the flare, flame monitoring and outages of the flare,
- (c) The permittee shall keep records of the average combustion temperature measured at least every 15 minutes and average over the same time period as the performance test,
- (d) The permittee shall keep a record of the percent reduction of NMOC or emission rate determined during the latest performance test approved by the Department,
- (e) The permittee shall keep a record of all 3-hour periods of operation during which the average combustion zone temperature was more than 50 degrees Fahrenheit below the average combustion zone temperature during the most recent performance test for compliance,
- (f) The permittee shall keep the surface monitoring data, well pressures, temperatures, nitrogen or oxygen concentrations and any other parameters that are available to indicate that the collection system is operating properly,
- (g) The permittee shall keep records of the wells in operation and the wells out of service, if any, on a daily basis,
- (h) The permittee shall keep documentation of the nature, date of deposition, amount, and location of asbestos containing or nondegradable waste excluded from collection as well as any non-landfill gas producing areas excluded from the landfill gas collection system,
- (i) The permittee shall maintain an up-to-date, readily accessible plot map showing each existing or planned collector (well or piping) in the system and provide a unique identification location label for each collector and readily accessible records of the installation date and location of newly installed collectors. The plan shall include all areas of asbestos containing waste or nondegradable waste excluded from the collection system and nonproductive areas excluded from the collection area.
- (j) The permittee shall keep records of all monitoring activities performed to meet the requirements of 25 PA Code Section 127.1, BAT.

**SECTION E. Source Group Restrictions.**

(k) The permittee shall keep records of any exceedances of the collection or control systems, and

(l) The permittee shall maintain all records required under this operating permit and 40 CFR Part 60, Subpart WWW for a minimum period of five (5) years and shall be made available to the department. The permittee may maintain off-site records, if they are retrievable within 4 hours.

[Additional authority for this condition is derived from 25 PA Code Section 127.1, BAT]

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

The permittee shall report all malfunctions and excursions, corrective actions taken, dates, times, durations and possible causes of events to the Department every six months. This shall be part of the semi-annual compliance reports. The report shall include all monitoring down times not associated with malfunctions and/or excursions.

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

(a) The permittee shall notify the Department in writing of the following within five working days:

- (1) Date each cell reaches final grade,
- (2) Date collection system is complete,
- (3) Start of venting to permanent flare.

[Additional authority for this condition is derived from 25 PA Code Section 127.1, BAT]

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

(a) The permittee, within 10 days of a detected unanticipated positive pressure in the parts of the collection system required to be under negative pressure, shall submit to the Department a brief written notice describing the cause of the unanticipated positive pressure event and the steps taken and/or planned to be taken to remedy the occurrence and prevent the event from occurring in the future. The notice shall transmit monitoring data indicating that the unanticipated positive pressure event has been abated or, if abatement has to be achieved, a supplemental notice and such data shall be forwarded to the Department when abatement is achieved.

(b) This does not include positive pressure resulting from routine maintenance to the system.

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

The collection devices within the interior and along the perimeter of the cells in this source group shall be certified to achieve comprehensive control of surface gas emissions by a professional engineer. The following issues shall be addressed in the design:

- (a) Depths of refuse, refuse gas generation rates and flow characteristics, cover properties, gas system expandability, leachate and condensate management, accessibility, compatibility with filling operations, integration with closure end use, air intrusion control, corrosion resistance, fill settlement, and resistance to the refuse decomposition heat.
- (b) The design shall address gas migration issues and augmentation of the collection system through the use of active and passive systems at the landfill perimeter or exterior.
- (c) The collection system shall control all gas producing areas except as provided by 40 CFR Section 60.759(a)(3).

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

All monitoring and measuring devices shall be calibrated, maintained and operated according to the manufacturer's specifications or Department Guidelines.

[Additional authority for this condition is derived from 25 PA Code Section 127.1, BAT and 40 CFR 60, Subpart WWW]

**SECTION E. Source Group Restrictions.****# 029 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall in accordance with the manufacturer's recommendations inspect each of the following on the enclosed ground flare for proper operation and calibration once per quarter:

- (a) The flow meter and recording device
- (b) The thermocouple used to measure the combustion zone temperature.
- (c) The temperature recording device.
- (d) Any equipment used to monitor for gas leaks at the flare and associated equipment.

[Additional authority for this condition is derived from 25 PA Code Section 127.1, BAT]

030 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The enclosed ground flare shall be equipped with the following equipment:

- (a) A flame detection device.
- (b) An automatic pilot ignition source using an auxiliary fuel source.
- (c) An automatic shut-off mechanism designed to immediately stop the flow of gas when a flame-out occurs.
- (d) An automatic notification system to inform the permittee of the flare's failure to restart within a limited time period.

[Additional authority for this condition is derived from 25 PA Code Section 127.1, BAT and 40 CFR 60, Subpart WWW]

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

A permanent gas collection system shall be installed for each cell within one year after that cell has achieved final grade. As part of the system, the permittee shall install and maintain a final cover on the completed cells including a geomembrane cap as approved by the Department's Waste Management Program.

[Additional authority for this condition is derived from 25 PA Code Section 127.1, BAT and 40 CFR 60, Subpart WWW]

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

The permittee shall take all reasonable steps to limit the emissions of landfill gas and other odorous gases from the leachate collection and handling system.

[Additional authority for this condition is derived from 25 PA Code Section 127.1, BAT]

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

The permittee shall install and maintain a total geomembrane cap system on the completed sections of the landfill in accordance with the permittee's permit from the Department's Waste Management Program.

[Additional authority for this condition is derived from 25 PA Code Section 127.1, BAT]

034 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

(a) The permittee may not transfer landfill gas to a third party unless the gas has been treated as per 40 CFR 60.752(b)(2)(iii)(C). The permittee shall notify the Department and EPA of the intent to treat and sell landfill gas to a third party. The notice shall include the following:

- (1) Name and address of the third party,
- (2) Location of the source that will be using the gas,
- (3) Type of source and method of use of the gas,
- (4) Maximum amount of gas to be used by the source, and
- (5) type and method of treatment of the gas prior to sale.

(b) The permittee shall receive approval from the Department before the installation of the treatment system, the treatment of the gas and the sale of the gas.

**SECTION E. Source Group Restrictions.**

(c) Treatment is defined by EPA and the Department as compression, de-watering and filtering of the particulate. The following meets this definition at this time:

- (1) Compression - The gas shall be compressed using gas blowers or similar devices (approved by the Department) to a level required by the source using the gas.
- (2) De-watering - The system must de-water the gas using chiller or other dehydration equipment as approved by the Department.
- (3) At a minimum, the system must filter the gas using a dry filter or similar device (e.g., impaction, interception or diffusion device). The filter should reduce the particulate matter in the gas to a size of at least 10 microns.

(d) This requirement is not required if the third party is located on-site or adjacent to the landfill, and the third party meets the requirements of 40 CFR 60, Subpart WWW. The permittee shall not transfer gas to a third party until the third party has received approval from the Department.

(e) The permittee may hire a third party to operate the treatment system. This third party shall receive approval from the Department prior to installing any equipment and treating any gas.

[Additional authority for this condition is derived from 25 PA Code Section 127.1, BAT]

035 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

(a) If a positive pressure exists in the wellheads, action shall be initiated to correct the exceedance within five (5) calendar days. If negative pressure cannot be achieved without excess air infiltration within fifteen (15) calendar days of the first measurement, the gas collection system shall be expanded to correct the exceedance within 120 calendar days of the initial measurement of the positive pressure. An alternative time line for corrective action may be submitted to the Department. This request shall be submitted within fifteen (15) calendar days of the end of the fifteen (15) day adjustment period noted above.

(b) If a well exceeds one of the operating parameters of Section E, Group SG01, Condition #007, action shall be initiated to correct the exceedance within five (5) calendar days. If correction of the exceedance cannot be achieved within fifteen (15) calendar days of the first measurement, the gas collection system shall be expanded to correct the exceedance within 120 calendar days of the initial exceedance. An alternative time line for corrective action may be submitted to the Department. This request shall be submitted within fifteen (15) calendar days of the fifteen (15) day adjustment period noted above.

[Additional authority for this condition is derived from 25 PA Code Section 127.1, BAT]

036 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The collection system shall be operated with a negative pressure in each component not designed to operate under positive pressure (mechanical blowers, the flare and all piping connecting those components) except under the following conditions:

(a) When a fire or increased well temperature is detected: The permittee record all instances when positive pressure occurs in efforts to avoid fire.

(b) When the collection or control systems are experiencing down times due to routine maintenance. Routine equipment maintenance includes the following, but is not limited to:

- (1) Gas collection header repairs,
- (2) Wellhead and valve repairs, replacements or modifications,
- (3) Temporary well shutdowns or vacuum reductions to minimize or prevent the introduction of excess air into the landfill,
- (4) Flare station blower repairs, replacement or modification,
- (5) Flare relight system testing, repair, replacement or modification,
- (6) Flare thermocouple or temperature switch repair, replacement or modification,
- (7) Flare liner inspection, repair, replacement or modification,
- (8) Flare actuator valve repair, replacement or modification,
- (9) Flare flame arrestor basket cleaning,
- (10) Flare control panel timer adjustment or replacement,

**SECTION E. Source Group Restrictions.**

- (11) Condensate trap pump repair, replacement or modification,
- (12) Condensate pump pump-outs, and
- (13) Electrical service repairs.

(c) When the positive pressure is due to a decommissioned well. A well may experience a static positive pressure after shutdown to accommodate for declining flows. All design changes shall be approved by the Department.

[Additional authority for this condition is derived from 25 PA Code Section 127.1, BAT]

037 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

(a) The permittee is required to direct all landfill gas to the enclosed ground flare, except as provided below, as provided in PA 06-05112D, or as provided in another approval issued by DEP. The flare shall be maintained so it is able to process landfill gas at any time, except during maintenance periods.

(b) So long as PA 06-05112D or an alternate landfill gas beneficial use project approved by DEP is not implemented, and if the untreated gas generated from the landfill exceeds the capacity of the existing enclosed ground flare (i.e., Surplus Gas is available), the permittee shall, within 6 months of this occurrence unless otherwise approved in writing by DEP, submit a plan approval application (Application) to increase the enclosed ground flare capacity at the landfill in order to maintain enclosed ground flare capacity for all of the landfill gas generated by the landfill.

Starting on the date of the availability of Surplus Gas, the permittee is authorized to direct excess untreated gas to a candlestick flare for a period of 180 days. Operation of the candlestick flare may be extended upon submission of an RFD and DEP's approval. Each extension of operation of the open flare will not exceed 180 days. The permittee shall notify DEP within 5 days after the date that Surplus Gas is available. Any candlestick flare installed under this provision shall comply with the following:

- (1) Be equipped with an automatic pilot ignition source.
- (2) Be equipped with a flame detection device.
- (3) Be equipped with an automatic shut-off mechanism designed to immediately stop the flow of gases when a flame-out occurs.
- (4) Be limited to 500 dscfm, at 50% methane (net heat input not to exceed 15 million Btu per hour, calculated on the higher heating value of the landfill gas).
- (5) The total landfill gas combusted in the open flare should not exceed the greatest of either 500 dscfm, at 50% methane (net heat input not to exceed 15 million Btu per hour, calculated on the higher heating value of the landfill gas) or 20% of the total landfill gas flow, at 50% methane.
- (6) The total landfill gas combusted in the open flare should not exceed the minimum flow necessary to support combustion in the facility's enclosed flare, based on manufacturer specified turn-down ratio and Btu requirements, if the enclosed flare has unused capacity to support the landfill gas flow.
- (7) The landfill owner or operator shall monitor, on a daily basis, the flow in dry standard cubic feet or the temperature and flow rate of the landfill gas combusted in the open flare, unless a federal requirement requires more frequent monitoring.
- (8) The landfill owner or operator shall record, on a daily basis, the amount of landfill gas combusted in the flare.

(c) Unless otherwise approved in writing by DEP, the permittee shall install/modify and begin operating the enclosed ground flare(s) that is/are the subject of the Application, within 18 months of DEP's approval of the application.

(d) The Plan Approval Description on page 2 of PA 06-05112D notwithstanding, a candlestick flare, as referenced above, may operate in the situations described above, in addition to situations when there is leftover gas present at a flow of 500 scfm or less from one or more of the engines and is within the flares minimum operating range of 38 scfm at 50% methane concentration.

**SECTION E. Source Group Restrictions.****# 038 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall operate and maintain a gas collection system and an enclosed ground flare to control the collected landfill gas. This approval allows the permittee to install additional sections of the collection system as the landfill expands to the design capacity and as approved by the Department. The permittee may add additional wells and/or piping to meet the requirements of this permit. These changes shall be submitted to the Waste Management and Air Quality Programs by letter at least fifteen (15) days prior to construction.

[Additional authority for this condition is derived from 25 PA Code Section 127.1, BAT]

039 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The gas collection system shall be operated such that all collected gases are vented to a control device (enclosed ground flare) and/or a treatment system at all times. In the event that the active gas collection and/or control/treatment systems are inoperable, valves in the collection and control/treatment system contributing to the venting of the gas to the atmosphere shall be closed within one hour.

[Additional authority for this condition is derived from 25 PA Code Section 127.1, BAT]

040 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

All wellheads and vented manholes shall be airtight and be equipped so at the request of the Department the pressure differential between the vent and the atmosphere can be measured. The wellheads and vented manholes shall be equipped with a sampling port and thermometer.

[Additional authority for this condition is derived from 25 PA Code Section 127.1, BAT]

041 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

If a surface monitoring reading of 500 ppmv or more of methane above background is measured, the following corrective actions shall be taken until the measurement is below the above limit:

- (a) The location of each monitoring exceedance shall be marked and the location recorded,
- (b) Cover maintenance or adjustments to the vacuum of the adjacent wells to increase the gas collection in the vicinity of each exceedance shall be made and the location shall be re-monitored within ten (10) calendar days of the detecting the exceedance,
- (c) If re-monitoring of the location shows a second exceedance, additional corrective action shall be taken and the location shall be re-monitored within ten (10) calendar days of the second exceedance,
- (d) If a third exceedance is recorded, a new well or collection device shall be installed at the location within 120 calendar days of the initial exceedance, and
- (e) If the second monitoring shows no exceedance, the area shall be monitored a third time one month after the initial exceedance, if no regular quarterly monitoring takes place before the one month period.

[Additional authority for this condition is derived from 25 PA Code Section 127.1, BAT]

042 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall secure any bypass lines in the closed position with a car-seal or a lock-and-key configuration. A visual inspection of the seals or closure mechanisms shall be performed at least once every month to ensure that the valves are maintained in the closed position and that the gas flow is not diverted through the bypass lines.

043 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

Each owner or operator shall construct the gas collection devices using the following equipment or procedures:

**SECTION E. Source Group Restrictions.**

(a) The landfill gas extraction components shall be constructed of polyvinyl chloride (PVC), high density polyethylene (HDPE) pipe, fiberglass, stainless steel, or other nonporous corrosion resistant material of suitable dimensions to: convey projected amounts of gases; withstand installation, static, and settlement forces; and withstand planned overburden or traffic loads. The collection system shall extend as necessary to comply with emission and migration standards. Collection devices such as wells and horizontal collectors shall be perforated to allow gas entry without head loss sufficient to impair performance across the intended extent of control. Perforations shall be situated with regard to the need to prevent excessive air infiltration.

(b) Vertical wells shall be placed so as not to endanger underlying liners and shall address the occurrence of water within the landfill. Holes and trenches constructed for piped wells and horizontal collectors shall be of sufficient cross-section so as to allow for their proper construction and completion including, for example, centering of pipes and placement of gravel backfill. Collection devices shall be designed so as not to allow indirect short circuiting of air into the cover or refuse into the collection system or gas into the air. Any gravel used around pipe perforations should be of a dimension so as not to penetrate or block perforations.

(c) Collection devices may be connected to the collection header pipes below or above the landfill surface. The connector assembly shall include a positive closing throttle valve, any necessary seals and couplings, access couplings and at least one sampling port. The collection devices shall be constructed of PVC, HDPE, fiberglass, stainless steel, or other nonporous material of suitable thickness.

(d) Each owner or operator shall convey the landfill gas to a control system through the collection header pipe(s). The gas mover equipment shall be sized to handle the maximum gas generation flow rate expected over the intended use period of the gas moving equipment using the following procedures:

(1) For existing collection systems, the flow data shall be used to project the maximum flow rate. If no flow data exists, the procedures in paragraph (c)(2) of this section shall be used.

(2) For new collection systems, the maximum flow rate shall be in accordance with 40 CFR 60.755(a)(1).

VII. ADDITIONAL REQUIREMENTS.**# 044 [25 Pa. Code §127.441]****Operating permit terms and conditions.****ALTERNATIVE PROCEDURES:**

The permittee may use the following alternatives to E SG01 007, 017, 026, and 035:

ALTERNATIVE 1: Connections to the wastewater (leachate) collection system. Odor control horizontal collectors and wells constructed in uncapped areas for odor control purposes may be more prone to the extraction of lower quality LFG than wells constructed in capped areas of the landfill. Therefore a higher oxygen level of 15% v/v (volumetric basis) will be permitted in these wells since the perforations are generally located closer to the surface of the waste mass and the source of air intrusion is directly into the casing and not through the waste mass. To insure that the higher operating value does not cause an adverse reaction or combustion within the waste mass, documentation of extraction point readings shall be conducted as required to ensure that degradation of the anaerobic decomposition process is not occurring. In the event that monitoring data for these applications indicate temperatures above 131°F, carbon monoxide monitoring (carbon monoxide levels below 100 ppmv) shall be conducted to ensure that combustion within the waste mass is not occurring.

The monitoring of parameters outside these limits shall be cause for additional investigation and notification to PADEP. The notification for the cause and remediation of the parameter exceedances shall be submitted as soon as they have been determined through additional investigation. Parameter exceedances for LFG extraction devices operated under this Alternative shall also be included in the semi-annual Title V compliance reports, and must also be recorded in the daily log, and must be listed by total number of wells for each category for each day.

ALTERNATIVE 2: The owner or its LFG collection system operator may place certain LFG wells on an inactive list. In order for LFG wells to be placed on an inactive list they would have to demonstrate the following characteristics:

(1) Methane quality that is consistently below 40% by volume, and the oxygen quality that is consistently above 5%, while the throttle valve is either closed or slightly open with an applied vacuum to the well of less than one (1.0) inch of water

**SECTION E. Source Group Restrictions.**

column, or

(2) Waste placement near the LFG well requires the raising of the casing to a point that it is unsafe for the owner or the LFG collection system operator to monitor (approximately five (5) feet to be determined by owner/operator personnel on a case by case basis) the NSPS required parameters. In this case, monitoring shall resume once waste filling has occurred in the area and it is once again safe to access the LFG well.

The owner and/or operator may place these LFG wells on an inactive list which shall only alleviate the compliance requirements for oxygen and vacuum at these LFG wells. The owner or the LFG system operator shall not abandon these inactive LFG wells, but shall simply close the wellhead valve and temporarily stop LFG extraction from them. The owner or the LFG system operator shall continue to perform routine well monitoring, recordkeeping, and reporting at the inactive LFG wells (similar to all other LFG wells). The inactive wells shall be exempt from the oxygen and pressure requirements of NSPS §60.753(b) and (c) during the period which they are classified as inactive.

The owner or their LFG operator shall continue to conduct quarterly surface emissions monitoring in all areas with designated inactive LFG wells to confirm less than 500 ppm methane emissions (above background) is occurring. Should more than 500 ppm methane emissions (above background) continue after 10 days from the first measured exceedance in areas surrounding inactive LFG wells, the owner or their LFG operator shall resume vacuum extraction from the inactive wells, or install new LFG wells, or submit an alternate compliance plan to PADEP for approval.

The owner or their LFG operator shall include a list of inactive LFG wells in each semi-annual Title V report, the reason for placing them on an inactive list, and the dates they were deemed inactive.

ALTERNATIVE 3: A well may be operated at temperatures higher than 55°C (131°F), provided the following steps are taken:

(1) Upon observation of a well temperature greater than 55°C (131°F), the initial course of action shall be to adjust the valve to either reduce or eliminate the vacuum applied to the well. This corrective action shall be taken within 5 days of the observation of an elevated reading.

(2) If the reduction of vacuum favorably lowers the temperature but appears to be detrimental to gas collection, the operator shall adjust the well to the benefit of gas collection. If, as a result, the temperature climbs above 55°C (131°F), or if the temperature remained elevated throughout the well adjustments, carbon monoxide monitoring (to ensure carbon monoxide levels below 100 ppmv) shall be conducted to verify that combustion within the waste mass is not occurring. In addition to measuring the temperature and carbon monoxide levels, the operator shall visually inspect the area around the well for signs of settlement or distressed vegetation, and shall inspect the wellhead for soot or other indications of combustion.

(3) If the elevated temperatures persist at a well, and there are no signs of combustion or detrimental effects on anaerobic activity, the operator shall consider the well to be an Alternative 3 well and shall place the well under a period of observation. The observation period shall be characterized by the inclusion of carbon monoxide monitoring with the regular monthly monitoring events. This monitoring is in addition to the regular measurement of gauge pressure, temperature, and oxygen or nitrogen levels. Visual inspection of the wellhead and the area immediately surrounding the well shall also be conducted.

(4) At such time when the landfill has acquired sufficient background data, a new maximum operating temperature shall be selected for the well. The new temperature and supporting data shall be provided to PADEP and USEPA through a notification letter. Once approved by the Department in writing, routine carbon monoxide monitoring of the well may be discontinued. However, visual inspection of the wellhead and the area immediately surrounding the well shall be included with the regular monthly monitoring events throughout the entire period of time that a well is operated under Alternative 3.

[Additional authority for this condition is derived from PA 06-05112C]

045 [25 Pa. Code §127.441]

Operating permit terms and conditions.

If monitoring demonstrates that the operational requirements of Section E, Group SG01, Conditions #007, #022 & #036 are not met, corrective action shall be taken as specified in Section E, Group SG01, Conditions #035 & #041. If corrective actions are taken as specified, the monitored exceedance is not a violation of the operational requirements.



SECTION E. Source Group Restrictions.

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

**SECTION E. Source Group Restrictions.**

Group Name: SG02

Group Description: 40 CFR 61, Subpart M Sources

Sources included in this group

ID	Name
101	LANDFILL CELL A
102	LANDFILL CELL B-1
103	LANDFILL STRIP EXPANSION CELL
104	LANDFILL EASTERN EXPANSION CELL
105	LANDFILL CELL C

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 [40 CFR Part 61 NESHAPs §40 CFR 61.151]****Subpart M--National Emission Standard for Asbestos****Standard for inactive waste disposal sites for asbestos mills and manufacturing and fabricating operations.**

Each owner or operator of any inactive waste disposal site that was operated by sources covered under § 61.142, 61.144, or 61.147 and received deposits of asbestos-containing waste material generated by the sources, shall:

61.151(a) Comply with one of the following:

61.151(a)(1) Either discharge no visible emissions to the outside air from an inactive waste disposal site subject to this paragraph; or

61.151(a)(2) Cover the asbestos-containing waste material with at least 15 centimeters (6 inches) of compacted nonasbestos-containing material, and grow and maintain a cover of vegetation on the area adequate to prevent exposure of the asbestos-containing waste material. In desert areas where vegetation would be difficult to maintain, at least 8 additional centimeters (3 inches) of well-graded, nonasbestos crushed rock may be placed on top of the final cover instead of vegetation and maintained to prevent emissions; or

**SECTION E. Source Group Restrictions.**

61.151(a)(3) Cover the asbestos-containing waste material with at least 60 centimeters (2 feet) of compacted nonasbestos-containing material, and maintain it to prevent exposure of the asbestos-containing waste; or

61.151(a)(4) For inactive waste disposal sites for asbestos tailings, a resinous or petroleum-based dust suppression agent that effectively binds dust to control surface air emissions may be used instead of the methods in paragraphs (a) (1), (2), and (3) of this section. Use the agent in the manner and frequency recommended for the particular asbestos tailings by the manufacturer of the dust suppression agent to achieve and maintain dust control. Obtain prior written approval of the Administrator to use other equally effective dust suppression agents. For purposes of this paragraph, any used, spent, or other waste oil is not considered a dust suppression agent.

61.151(b) Unless a natural barrier adequately deters access by the general public, install and maintain warning signs and fencing as follows, or comply with paragraph (a)(2) or (a)(3) of this section.

61.151(b)(1) Display warning signs at all entrances and at intervals of 100 m (328 ft) or less along the property line of the site or along the perimeter of the sections of the site where asbestos-containing waste material was deposited. The warning signs must:

61.151(b)(1)(i) Be posted in such a manner and location that a person can easily read the legend; and

61.151(b)(1)(ii) Conform to the requirements for 51 cm x 36 cm (20[inch] x 14[inch]) upright format signs specified in 29 CFR 1910.145(d)(4) and this paragraph; and

61.151(b)(1)(iii) Display the following legend in the lower panel with letter sizes and styles of a visibility at least equal to those specified in this paragraph.

Legend	Notation
Asbestos Waste Disposal Site	2.5 cm (1 inch) Sans Serif, Gothic or Block
Do Not Create Dust	1.9 cm (3/4 inch) Sans Serif, Gothic or Block
Breathing Asbestos is Hazardous to Your Health	14 Point Gothic.

Spacing between any two lines must be at least equal to the height of the upper of the two lines.

61.151(b)(2) Fence the perimeter of the site in a manner adequate to deter access by the general public.

61.151(b)(3) When requesting a determination on whether a natural barrier adequately deters public access, supply information enabling the Administrator to determine whether a fence or a natural barrier adequately deters access by the general public.

61.151(c) The owner or operator may use an alternative control method that has received prior approval of the Administrator rather than comply with the requirements of paragraph (a) or (b) of this section.

61.151(d) Notify the Administrator in writing at least 45 days prior to excavating or otherwise disturbing any asbestos-containing waste material that has been deposited at a waste disposal site under this section, and follow the procedures specified in the notification. If the excavation will begin on a date other than the one contained in the original notice, notice of the new start date must be provided to the Administrator at least 10 working days before excavation begins and in no event shall excavation begin earlier than the date specified in the original notification. Include the following information in the notice:

61.151(d)(1) Scheduled starting and completion dates.

61.151(d)(2) Reason for disturbing the waste.

61.151(d)(3) Procedures to be used to control emissions during the excavation, storage, transport, and ultimate disposal of the excavated asbestos-containing waste material. If deemed necessary, the Administrator may require changes in the emission control procedures to be used.

**SECTION E. Source Group Restrictions.**

61.151(d)(4) Location of any temporary storage site and the final disposal site.

61.151(e) Within 60 days of a site becoming inactive and after the effective date of this subpart, record, in accordance with State law, a notation on the deed to the facility property and on any other instrument that would normally be examined during a title search; this notation will in perpetuity notify any potential purchaser of the property that:

61.151(e)(1) The land has been used for the disposal of asbestos-containing waste material;

61.151(e)(2) The survey plot and record of the location and quantity of asbestos-containing waste disposed of within the disposal site required in § 61.154(f) have been filed with the Administrator; and

61.151(e)(3) The site is subject to 40 CFR part 61, subpart M.

[49 FR 13661, Apr. 5, 1984, as amended at 53 FR 36972, Sept. 23, 1988. Redesignated and amended at 55 FR 48429, Nov. 20, 1990]

002 [40 CFR Part 61 NESHAPs §40 CFR 61.154]

Subpart M--National Emission Standard for Asbestos Standard for active waste disposal sites.

Each owner or operator of an active waste disposal site that receives asbestos-containing waste material from a source covered under § 61.149, 61.150, or 61.155 shall meet the requirements of this section:

61.154(a) Either there must be no visible emissions to the outside air from any active waste disposal site where asbestos-containing waste material has been deposited, or the requirements of paragraph (c) or (d) of this section must be met.

61.154(b) Unless a natural barrier adequately deters access by the general public, either warning signs and fencing must be installed and maintained as follows, or the requirements of paragraph (c)(1) of this section must be met.

61.154(b)(1) Warning signs must be displayed at all entrances and at intervals of 100 m (330 ft) or less along the property line of the site or along the perimeter of the sections of the site where asbestos-containing waste material is deposited. The warning signs must:

61.154(b)(1)(i) Be posted in such a manner and location that a person can easily read the legend; and

61.154(b)(1)(ii) Conform to the requirements of 51 cm x 36 cm (20[inch]x 14[inch]) upright format signs specified in 29 CFR 1910.145(d)(4) and this paragraph; and

61.154(b)(1)(iii) Display the following legend in the lower panel with letter sizes and styles of a visibility at least equal to those specified in this paragraph.

Legend	Notation
Asbestos Waste Disposal Site	2.5 cm (1 inch) Sans Serif, Gothic or Block.
Do Not Create Dust	1.9 cm (3/4 inch) Sans Serif, Gothic or Block.
Breathing Asbestos is Hazardous to Your Health	14 Point Gothic.

Spacing between any two lines must be at least equal to the height of the upper of the two lines.

61.154(b)(2) The perimeter of the disposal site must be fenced in a manner adequate to deter access by the general public.

61.154(b)(3) Upon request and supply of appropriate information, the Administrator will determine whether a fence or a natural barrier adequately deters access by the general public.

61.154(c) Rather than meet the no visible emission requirement of paragraph (a) of this section, at the end of each operating day, or at least once every 24-hour period while the site is in continuous operation, the asbestos-containing

**SECTION E. Source Group Restrictions.**

waste material that has been deposited at the site during the operating day or previous 24-hour period shall:

61.154(c)(1) Be covered with at least 15 centimeters (6 inches) of compacted nonasbestos-containing material, or

61.154(c)(2) Be covered with a resinous or petroleum-based dust suppression agent that effectively binds dust and controls wind erosion. Such an agent shall be used in the manner and frequency recommended for the particular dust by the dust suppression agent manufacturer to achieve and maintain dust control. Other equally effective dust suppression agents may be used upon prior approval by the Administrator. For purposes of this paragraph, any used, spent, or other waste oil is not considered a dust suppression agent.

61.154(d) Rather than meet the no visible emission requirement of paragraph (a) of this section, use an alternative emissions control method that has received prior written approval by the Administrator according to the procedures described in § 61.149(c)(2).

61.154(e) For all asbestos-containing waste material received, the owner or operator of the active waste disposal site shall:

61.154(e)(1) Maintain waste shipment records, using a form similar to that shown in Figure 4, and include the following information:

61.154(e)(1)(i) The name, address, and telephone number of the waste generator.

61.154(e)(1)(ii) The name, address, and telephone number of the transporter(s).

61.154(e)(1)(iii) The quantity of the asbestos-containing waste material in cubic meters (cubic yards).

61.154(e)(1)(iv) The presence of improperly enclosed or uncovered waste, or any asbestos-containing waste material not sealed in leak-tight containers. Report in writing to the local, State, or EPA Regional office responsible for administering the asbestos NESHAP program for the waste generator (identified in the waste shipment record), and, if different, the local, State, or EPA Regional office responsible for administering the asbestos NESHAP program for the disposal site, by the following working day, the presence of a significant amount of improperly enclosed or uncovered waste. Submit a copy of the waste shipment record along with the report.

61.154(e)(1)(v) The date of the receipt.

61.154(e)(2) As soon as possible and no longer than 30 days after receipt of the waste, send a copy of the signed waste shipment record to the waste generator.

61.154(e)(3) Upon discovering a discrepancy between the quantity of waste designated on the waste shipment records and the quantity actually received, attempt to reconcile the discrepancy with the waste generator. If the discrepancy is not resolved within 15 days after receiving the waste, immediately report in writing to the local, State, or EPA Regional office responsible for administering the asbestos NESHAP program for the waste generator (identified in the waste shipment record), and, if different, the local, State, or EPA Regional office responsible for administering the asbestos NESHAP program for the disposal site. Describe the discrepancy and attempts to reconcile it, and submit a copy of the waste shipment record along with the report.

61.154(e)(4) Retain a copy of all records and reports required by this paragraph for at least 2 years.

61.154(f) Maintain, until closure, records of the location, depth and area, and quantity in cubic meters (cubic yards) of asbestos-containing waste material within the disposal site on a map or diagram of the disposal area.

61.154(g) Upon closure, comply with all the provisions of § 61.151.

61.154(h) Submit to the Administrator, upon closure of the facility, a copy of records of asbestos waste disposal locations and quantities.

61.154(i) Furnish upon request, and make available during normal business hours for inspection by the Administrator, all

**SECTION E. Source Group Restrictions.**

records required under this section.

61.154(j) Notify the Administrator in writing at least 45 days prior to excavating or otherwise disturbing any asbestos-containing waste material that has been deposited at a waste disposal site and is covered. If the excavation will begin on a date other than the one contained in the original notice, notice of the new start date must be provided to the Administrator at least 10 working days before excavation begins and in no event shall excavation begin earlier than the date specified in the original notification. Include the following information in the notice:

61.154(j)(1) Scheduled starting and completion dates.

61.154(j)(2) Reason for disturbing the waste.

61.154(j)(3) Procedures to be used to control emissions during the excavation, storage, transport, and ultimate disposal of the excavated asbestos-containing waste material. If deemed necessary, the Administrator may require changes in the emission control procedures to be used.

61.154(j)(4) Location of any temporary storage site and the final disposal site.

(Secs. 112 and 301(a) of the Clean Air Act as amended (42 U.S.C. 7412, 7601(a))

[49 FR 13661, Apr. 5, 1990. Redesignated and amended at 55 FR 48431, Nov. 20, 1990; 56 FR 1669, Jan. 16, 1991]

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

**SECTION E. Source Group Restrictions.**

Group Name: SG03

Group Description: 40 CFR 60, Subpart WWW Sources

Sources included in this group

ID	Name
102	LANDFILL CELL B-1
103	LANDFILL STRIP EXPANSION CELL
104	LANDFILL EASTERN EXPANSION CELL
105	LANDFILL CELL C

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 [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.**

60.752(a) [NA - DESIGN CAPACITY > 2.5 MILLION MEGAGRAMS BY MASS]

60.752(b) Each owner or operator of an MSW landfill having a design capacity equal to or greater than 2.5 million megagrams and 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 § 60.754. The NMOC emission rate shall be recalculated annually, except as provided in § 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 and 2.5 million cubic meters is subject to part 70 or 71 permitting requirements.

60.752(b)(1) If the calculated NMOC emission rate is less than 50 megagrams per year, the owner or operator shall:

60.752(b)(1)(i) Submit an annual emission report to the Administrator, except as provided for in § 60.757(b)(1)(ii); and

60.752(b)(1)(ii) Recalculate the NMOC emission rate annually using the procedures specified in § 60.754(a)(1) until such time as the calculated NMOC emission rate is equal to or greater than 50 megagrams per year, or the landfill is closed.

**SECTION E. Source Group Restrictions.**

60.752(b)(1)(ii)(A) If the NMOC emission rate, upon recalculation required in paragraph (b)(1)(ii) of this section, is equal to or greater than 50 megagrams per year, the owner or operator shall install a collection and control system in compliance with paragraph (b)(2) of this section.

60.752(b)(1)(ii)(B) If the landfill is permanently closed, a closure notification shall be submitted to the Administrator as provided for in § 60.757(d).

60.752(b)(2) [NA - CALCULATED NMOC EMISSION RATE < 50 MEGAGRAMS PER YEAR]

60.752(c) [NA - TITLE V ALREADY RECEIVED]

60.752(d) When a MSW landfill subject to this subpart is closed, the owner or operator is no longer subject to the requirement to maintain an operating permit under part 70 or 71 of this chapter for the landfill if the landfill is not otherwise subject to the requirements of either part 70 or 71 and if either of the following conditions are met:

60.752(d)(1) The landfill was never subject to the requirement for a control system under paragraph (b)(2) of this section; or

60.752(d)(2) The owner or operator meets the conditions for control system removal specified in paragraph (b)(2)(v) of this section.

[61 FR 9919, Mar. 12, 1996, as amended at 63 FR 32751, June 16, 1998; 65 FR 18908, Apr. 10, 2000; 71 FR 55127, Sept. 21, 2006]

**# 002 [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.**

[NA - NOT SUBJECT TO THE PROVISIONS OF § 60.752(b)(2)(ii) SINCE NMOC < 50 Mg/YR]

**# 003 [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.**

60.754(a)

60.754(a)(1) The landfill owner or operator shall calculate the NMOC emission rate using either the equation provided in paragraph (a)(1)(i) of this section or the equation provided in paragraph (a)(1)(ii) of this section. Both equations may be used if the actual year-to-year solid waste acceptance rate is known, as specified in paragraph (a)(1)(i), for part of the life of the landfill and the actual year-to-year solid waste acceptance rate is unknown, as specified in paragraph (a)(1)(ii), for part of the life of the landfill. The values to be used in both equations are 0.05 per year for k, 170 cubic meters per megagram for LO, and 4,000 parts per million by volume as hexane for the CNMOC. For landfills located in geographical areas with a thirty year annual average precipitation of less than 25 inches, as measured at the nearest representative official meteorologic site, the k value to be used is 0.02 per year.

60.754(a)(1)(i) The following equation shall be used if the actual year-to-year solid waste acceptance rate is known.

REFER TO REGULATION FOR EQUATION

where,

MNMOC=Total NMOC emission rate from the landfill, megagrams per year

k=methane generation rate constant, year⁻¹

Lo=methane generation potential, cubic meters per megagram solid waste

Mi=mass of solid waste in the ith section, megagrams

ti=age of the ith section, years

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

3.6 × 10⁻⁹=conversion factor

The mass of nondegradable solid waste may be subtracted from the total mass of solid waste in a particular section of the landfill when calculating the value for Mi if documentation of the nature and amount of such wastes is maintained

**SECTION E. Source Group Restrictions.**

60.754(a)(1)(ii) The following equation shall be used if the actual year-to-year solid waste acceptance rate is unknown.

$$MNMOOC = 2LoR (e^{-kc} - e^{-kt}) CNMOOC (3.6 \times 10^{-9})$$

Where:

MNMOOC=mass emission rate of NMOC, megagrams per year

Lo=methane generation potential, cubic meters per megagram solid waste

R=average annual acceptance rate, megagrams per year

k=methane generation rate constant, year⁻¹

t = age of landfill, years

CNMOOC=concentration of NMOC, parts per million by volume as hexane

c=time since closure, years; for active landfill c=0 and e^{-kc}

3.6× 10⁻⁹=conversion factor

The mass of nondegradable solid waste may be subtracted from the total mass of solid waste in a particular section of the landfill when calculating the value of R, if documentation of the nature and amount of such wastes is maintained.

60.754(a)(2) Tier 1.

The owner or operator shall compare the calculated NMOC mass emission rate to the standard of 50 megagrams per year.

60.754(a)(2)(i) If the NMOC emission rate calculated in paragraph (a)(1) of this section is less than 50 megagrams per year, then the landfill owner shall submit an emission rate report as provided in § 60.757(b)(1), and shall recalculate the NMOC mass emission rate annually as required under § 60.752(b)(1).

60.754(a)(2)(ii) If the calculated NMOC emission rate is equal to or greater than 50 megagrams per year, then the landfill owner shall either comply with § 60.752(b)(2), or determine a site-specific NMOC concentration and recalculate the NMOC emission rate using the procedures provided in paragraph (a)(3) of this section.

60.754(a)(3) Tier 2.

The landfill owner or operator shall determine the NMOC concentration using the following sampling procedure. The landfill owner or operator shall install at least two sample probes per hectare of landfill surface that has retained waste for at least 2 years. If the landfill is larger than 25 hectares in area, only 50 samples are required. The sample probes should be located to avoid known areas of nondegradable solid waste. The owner or operator shall collect and analyze one sample of landfill gas from each probe to determine the NMOC concentration using Method 25 or 25C of appendix A of this part. Method 18 of appendix A of this part may be used to analyze the samples collected by the Method 25 or 25C sampling procedure. Taking composite samples from different probes into a single cylinder is allowed; however, equal sample volumes must be taken from each probe. For each composite, the sampling rate, collection times, beginning and ending cylinder vacuums, or alternative volume measurements must be recorded to verify that composite volumes are equal. Composite sample volumes should not be less than one liter unless evidence can be provided to substantiate the accuracy of smaller volumes. Terminate compositing before the cylinder approaches ambient pressure where measurement accuracy diminishes. If using Method 18, the owner or operator must identify all compounds in the sample and, as a minimum, test for those compounds published in the most recent Compilation of Air Pollutant Emission Factors (AP-42), minus carbon monoxide, hydrogen sulfide, and mercury. As a minimum, the instrument must be calibrated for each of the compounds on the list. Convert the concentration of each Method 18 compound to CNMOOC as hexane by multiplying by the ratio of its carbon atoms divided by six. If more than the required number of samples are taken, all samples must be used in the analysis. The landfill owner or operator must divide the NMOC concentration from Method 25 or 25C of appendix A of this part by six to convert from CNMOOC as carbon to CNMOOC as hexane. If the landfill has an active or passive gas removal system in place, Method 25 or 25C samples may be collected from these systems instead of surface probes provided the removal system can be shown to provide sampling as representative as the two sampling probe per hectare requirement. For active collection systems, samples may be collected from the common header pipe before the gas moving or condensate removal equipment. For these systems, a minimum of three samples must be collected from the header pipe.

60.754(a)(3)(i) The landfill owner or operator shall recalculate the NMOC mass emission rate using the equations provided in paragraph (a)(1)(i) or (a)(1)(ii) of this section and using the average NMOC concentration from the collected

**SECTION E. Source Group Restrictions.**

samples instead of the default value in the equation provided in paragraph (a)(1) of this section.

60.754(a)(3)(ii) If the resulting mass emission rate calculated using the site-specific NMOC concentration is equal to or greater than 50 megagrams per year, then the landfill owner or operator shall either comply with § 60.752(b)(2), or determine the site-specific methane generation rate constant and recalculate the NMOC emission rate using the site-specific methane generation rate using the procedure specified in paragraph (a)(4) of this section.

60.754(a)(3)(iii) If the resulting NMOC mass emission rate is less than 50 megagrams per year, the owner or operator shall submit a periodic estimate of the emission rate report as provided in § 60.757(b)(1) and retest the site-specific NMOC concentration every 5 years using the methods specified in this section.

60.754(a)(4) Tier 3.

The site-specific methane generation rate constant shall be determined using the procedures provided in Method 2E of appendix A of this part. The landfill owner or operator shall estimate the NMOC mass emission rate using equations in paragraph (a)(1)(i) or (a)(1)(ii) of this section and using a site-specific methane generation rate constant k , and the site-specific NMOC concentration as determined in paragraph (a)(3) of this section instead of the default values provided in paragraph (a)(1) of this section. The landfill owner or operator shall compare the resulting NMOC mass emission rate to the standard of 50 megagrams per year.

60.754(a)(4)(i) If the NMOC mass emission rate as calculated using the site-specific methane generation rate and concentration of NMOC is equal to or greater than 50 megagrams per year, the owner or operator shall comply with § 60.752(b)(2).

60.754(a)(4)(ii) If the NMOC mass emission rate is less than 50 megagrams per year, then the owner or operator shall submit a periodic emission rate report as provided in § 60.757(b)(1) and shall recalculate the NMOC mass emission rate annually, as provided in § 60.757(b)(1) using the equations in paragraph (a)(1) of this section and using the site-specific methane generation rate constant and NMOC concentration obtained in paragraph (a)(3) of this section. The calculation of the methane generation rate constant is performed only once, and the value obtained from this test shall be used in all subsequent annual NMOC emission rate calculations.

60.754(a)(5) The owner or operator may use other methods to determine the NMOC concentration or a site-specific k as an alternative to the methods required in paragraphs (a)(3) and (a)(4) of this section if the method has been approved by the Administrator.

60.754(b) [NA - NOT REQUIRED BY SUBPART WWW TO INSTALL A COLLECTION AND CONTROL SYSTEM AT THIS TIME]

60.754(c) When calculating emissions for PSD purposes, 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.

60.754(d) [NA - NOT SUBJECT TO § 60.752(b)(2)]

60.754(e) [NA - NOT SUBJECT TO § 60.752(b)(2)]

[61 FR 9919, Mar. 12, 1996, as amended at 63 FR 32751, June 16, 1998; 65 FR 18908, Apr. 10, 2000; 65 FR 61778, Oct. 17, 2000; 71 FR 55127, Sept. 21, 2006]

**# 004 [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.**

[NA - NOT SUBJECT TO § 60.752(b)(2)]

**# 005 [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.**

[NA - NOT SUBJECT TO § 60.752(b)(2)]

**SECTION E. Source Group Restrictions.****# 006 [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.**

Except as provided in § 60.752(b)(2)(i)(B),

60.757(a) [NA - INITIAL DESIGN CAPACITY ALREADY SUBMITTED]

60.757(b) Each owner or operator subject to the requirements of this subpart shall submit an NMOC emission rate report to the Administrator initially and annually thereafter, except as provided for in paragraphs (b)(1)(ii) or (b)(3) of this section. The Administrator may request such additional information as may be necessary to verify the reported NMOC emission rate.

60.757(b)(1) The NMOC emission rate report shall contain an annual or 5-year estimate of the NMOC emission rate calculated using the formula and procedures provided in § 60.754(a) or (b), as applicable.

60.757(b)(1)(i) The initial NMOC emission rate report may be combined with the initial design capacity report required in paragraph (a) of this section and shall be submitted no later than indicated in paragraphs (b)(1)(i)(A) and (B) of this section. Subsequent NMOC emission rate reports shall be submitted annually thereafter, except as provided for in paragraphs (b)(1)(ii) and (b)(3) of this section.

60.757(b)(1)(i)(A) [NA - DATE HAS ALREADY PASSED]

60.757(b)(1)(i)(B) Ninety days after the date of commenced construction, modification, or reconstruction for landfills that commence construction, modification, or reconstruction on or after March 12, 1996.

60.757(b)(1)(ii) If the estimated NMOC emission rate as reported in the annual report to the Administrator is less than 50 megagrams per year in each of the next 5 consecutive years, the owner or operator may elect to submit an estimate of the NMOC emission rate for the next 5-year period in lieu of the annual report. This estimate shall include the current amount of solid waste-in-place and the estimated waste acceptance rate for each year of the 5 years for which an NMOC emission rate is estimated. All data and calculations upon which this estimate is based shall be provided to the Administrator. This estimate shall be revised at least once every 5 years. If the actual waste acceptance rate exceeds the estimated waste acceptance rate in any year reported in the 5-year estimate, a revised 5-year estimate shall be submitted to the Administrator. The revised estimate shall cover the 5-year period beginning with the year in which the actual waste acceptance rate exceeded the estimated waste acceptance rate.

60.757(b)(2) The NMOC emission rate report shall include all the data, calculations, sample reports and measurements used to estimate the annual or 5-year emissions.

60.757(b)(3) Each owner or operator subject to the requirements of this subpart is exempted from the requirements of paragraphs (b)(1) and (2) of this section, after the installation of a collection and control system in compliance with § 60.752(b)(2), during such time as the collection and control system is in operation and in compliance with §§ 60.753 and 60.755.

60.757(c) Each owner or operator subject to the provisions of § 60.752(b)(2)(i) shall submit a collection and control system design plan to the Administrator within 1 year of the first report required under paragraph (b) of this section in which the emission rate equals or exceeds 50 megagrams per year, except as follows:

60.757(c)(1) If the owner or operator elects to recalculate the NMOC emission rate after Tier 2 NMOC sampling and analysis as provided in § 60.754(a)(3) and the resulting rate is less than 50 megagrams per year, annual periodic reporting shall be resumed, using the Tier 2 determined site-specific NMOC concentration, until the calculated emission rate is equal to or greater than 50 megagrams per year or the landfill is closed. The revised NMOC emission rate report, with the recalculated emission rate based on NMOC sampling and analysis, shall be submitted within 180 days of the first calculated exceedance of 50 megagrams per year.

60.757(c)(2) If the owner or operator elects to recalculate the NMOC emission rate after determining a site-specific methane generation rate constant (k), as provided in Tier 3 in § 60.754(a)(4), and the resulting NMOC emission rate is less than 50 Mg/yr, annual periodic reporting shall be resumed. The resulting site-specific methane generation rate constant (k) shall be used in the emission rate calculation until such time as the emissions rate calculation results in an exceedance.

**SECTION E. Source Group Restrictions.**

The revised NMOC emission rate report based on the provisions of § 60.754(a)(4) and the resulting site-specific methane generation rate constant (k) shall be submitted to the Administrator within 1 year of the first calculated emission rate exceeding 50 megagrams per year.

60.757(d) Each owner or operator of a controlled landfill shall submit a closure report to the Administrator within 30 days of waste acceptance cessation. The Administrator may request additional information as may be necessary to verify that permanent closure has taken place in accordance with the requirements of 40 CFR 258.60. If a closure report has been submitted to the Administrator, no additional wastes may be placed into the landfill without filing a notification of modification as described under § 60.7(a)(4).

60.757(e) [NA - NOT SUBJECT TO THE PROVISIONS OF § 60.752(b)(2)]

60.757(f) [NA - NOT SUBJECT TO THE PROVISIONS OF § 60.752(b)(2)]

60.757(g) [NA - NOT SUBJECT TO THE PROVISIONS OF § 60.752(b)(2)]

[61 FR 9919, Mar. 12, 1996, as amended at 63 FR 32752, June 16, 1998; 65 FR 18909, Apr. 10, 2000]

**# 007 [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.**

60.758(a) through 60.758(e) [NA - NOT SUBJECT TO THE PROVISIONS OF § 60.752(b)(2)]

60.758(f) Landfill owners or operators who convert design capacity from volume to mass or mass to volume to demonstrate that landfill design capacity is less than 2.5 million megagrams or 2.5 million cubic meters, as provided in the definition of "design capacity", shall keep readily accessible, on-site records of the annual recalculation of site-specific density, design capacity, and the supporting documentation. Off-site records may be maintained if they are retrievable within 4 hours. Either paper copy or electronic formats are acceptable.

[61 FR 9919, Mar. 12, 1996, as amended at 63 FR 32752, June 16, 1998; 65 FR 18909, Apr. 10, 2000]

**# 008 [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.**

[NA - NOT SUBJECT TO THE PROVISIONS OF § 60.752(b)(2)]

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



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.**

#001

This permit supersedes Title V Operating Permit No. 06-05112, issued on 11/12/20.

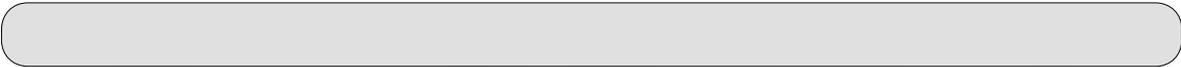
#002

The following sources have been found to be of minor significance and require no additional requirements:

- a. Boiler
- b. Leachate Treatment Plant
- c. Leachate Storage Tanks (2)
 - 1. 700,000 gallons
 - 2. 320,000 gallons
- d. Diesel Storage Tank
 - 1,000 gallons
- e. Gasoline Storage Tanks
 - 1. 500 gallons
 - 2. 265 gallons

#003

The design inlet gas capacity of the enclosed ground flare (C03) is 1,200 scfm.



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