



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
AIR QUALITY PROGRAM

PLAN APPROVAL

Issue Date:

Effective Date:

Expiration Date:

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

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

Plan Approval No. 17-00068B

Federal Tax Id - Plant Code: 81-0637187-1

Owner Information

Name: PA WASTE LLC  
Mailing Address: 175 BUSTLETON PIKE  
FEASTERVILLE, PA 19053-6456

Plant Information

Plant: PA WASTE LLC/CAMP HOPE RUN LDFL  
Location: 17 Clearfield County 17908 Boggs Township  
SIC Code: 4953 Trans. & Utilities - Refuse Systems

Responsible Official

Name: ROBERT ROVNER  
Title: PRESIDENT & CHMN  
Phone: (215) 953 - 2726

Plan Approval Contact Person

Name: ROBERT ROVNER  
Title: PRESIDENT & CHMN  
Phone: (215) 953 - 2726

[Signature] \_\_\_\_\_

MUHAMMAD Q. ZAMAN, ENVIRONMENTAL PROGRAM MANAGER, NORTHCENTRAL REGION



[Plan Approval Description](#)

This plan approval is for the construction and operation of a landfill with a gas collection system (Source P101). The air contaminants will be controlled by an enclosed flare (Control Device C101).

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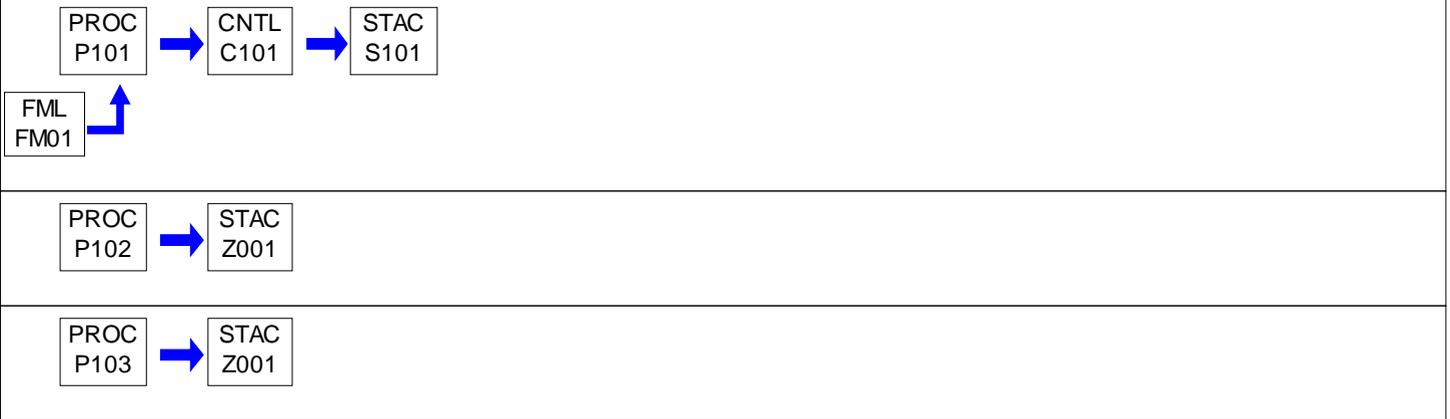
**Section G. Miscellaneous**



**SECTION A. Plan Approval Inventory List**

Source ID	Source Name	Capacity/Throughput	Fuel/Material
P101	LANDFILL		
P102	HAUL ROADS		
P103	LEACHATE TREATMENT SYSTEM		
C101	ENCLOSED FLARE		
FM01	PROPANE TANKS		
S101	ENCLOSED FLARE STACK		
Z001	FUGITIVE EMISSIONS		

**PERMIT MAPS**



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

Words and terms that are not otherwise defined in this plan approval 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 § 127.12b (a) (b)]****Future Adoption of Requirements**

The issuance of this plan approval does not prevent the future adoption by the Department of any rules, regulations or standards, or the issuance of orders necessary to comply with the requirements of the Federal Clean Air Act or the Pennsylvania Air Pollution Control Act, or to achieve or maintain ambient air quality standards. The issuance of this plan approval shall not be construed to limit the Department's enforcement authority.

**#003 [25 Pa. Code § 127.12b]****Plan Approval Temporary Operation**

This plan approval authorizes temporary operation of the source(s) covered by this plan approval provided the following conditions are met.

(a) When construction, installation, modification, or reactivation is being conducted, the permittee shall provide written notice to the Department of the completion of the activity approved by this plan approval and the permittee's intent to commence operation at least five (5) working days prior to the completion of said activity. The notice shall state when the activity will be completed and when the permittee expects to commence operation. When the activity involves multiple sources on different time schedules, notice is required for the commencement of operation of each source.

(b) Pursuant to 25 Pa. Code § 127.12b (d), temporary operation of the source(s) is authorized to facilitate the shakedown of sources and air cleaning devices, to permit operations pending the issuance of a permit under 25 Pa. Code Chapter 127, Subchapter F (relating to operating permits) or Subchapter G (relating to Title V operating permits) or to permit the evaluation of the air contaminant aspects of the source.

(c) This plan approval authorizes a temporary operation period not to exceed 180 days from the date of commencement of operation, provided the Department receives notice from the permittee pursuant to paragraph (a), above.

(d) The permittee may request an extension of the 180-day shakedown period if further evaluation of the air contamination aspects of the source(s) is necessary. The request for an extension shall be submitted, in writing, to the Department at least 15 days prior to the end of the initial 180-day shakedown period and shall provide a description of the compliance status of the source, a detailed schedule for establishing compliance, and the reasons compliance has not been established. This temporary operation period will be valid for a limited time and may be extended for additional limited periods, each not to exceed 180 days.

(e) The notice submitted by the permittee pursuant to subpart (a) above, prior to the expiration of the plan approval, shall modify the plan approval expiration date on Page 1 of this plan approval. The new plan approval expiration date shall be 180 days from the date of commencement of operation.

**#004 [25 Pa. Code § 127.12(a) (10)]****Content of Applications**

The permittee shall maintain and operate the sources and associated air cleaning devices in accordance with good engineering practice as described in the plan approval application submitted to the Department.

**#005 [25 Pa. Code §§ 127.12(c) and (d) & 35 P.S. § 4013.2]****Public Records and Confidential Information**

(a) The records, reports or information obtained by the Department or referred to at public hearings shall be available to the public, except as provided in paragraph (b) of this condition.

(b) Upon cause shown by the permittee that the records, reports or information, or a particular portion thereof, but not emission data, to which the Department has access under the act, if made public, would divulge production or sales figures or methods, processes or production unique to that person or would otherwise tend to affect adversely the

**SECTION B. General Plan Approval Requirements**

competitive position of that person by revealing trade secrets, including intellectual property rights, the Department will consider the record, report or information, or particular portion thereof confidential in the administration of the act. The Department will implement this section consistent with sections 112(d) and 114(c) of the Clean Air Act (42 U.S.C.A. § § 7412(d) and 7414(c)). Nothing in this section prevents disclosure of the report, record or information to Federal, State or local representatives as necessary for purposes of administration of Federal, State or local air pollution control laws, or when relevant in a proceeding under the act.

**#006 [25 Pa. Code § 127.12b]****Plan Approval terms and conditions.**

[Additional authority for this condition is derived from 25 Pa. Code Section 127.13]

(a) This plan approval will be valid for a limited time, as specified by the expiration date contained on Page 1 of this plan approval. Except as provided in § § 127.11a and 127.215 (relating to reactivation of sources; and reactivation), at the end of the time, if the construction, modification, reactivation or installation has not been completed, a new plan approval application or an extension of the previous approval will be required.

(b) If construction has commenced, but cannot be completed before the expiration of this plan approval, an extension of the plan approval must be obtained to continue construction. To allow adequate time for departmental action, a request for the extension shall be postmarked at least thirty (30) days prior to the expiration date. The request for an extension shall include the following:

- (i) A justification for the extension,
- (ii) A schedule for the completion of the construction

If construction has not commenced before the expiration of this plan approval, then a new plan approval application must be submitted and approval obtained before construction can commence.

(c) If the construction, modification or installation is not commenced within 18 months of the issuance of this plan approval or if there is more than an 18-month lapse in construction, modification or installation, a new plan approval application that meets the requirements of 25 Pa. Code Chapter 127, Subchapter B (related to plan approval requirements), Subchapter D (related to prevention of significant deterioration of air quality), and Subchapter E (related to new source review) shall be submitted. The Department may extend the 18-month period upon a satisfactory showing that an extension is justified.

**#007 [25 Pa. Code § 127.32]****Transfer of Plan Approvals**

(a) This plan approval may not be transferred from one person to another except when a change of ownership is demonstrated to the satisfaction of the Department and the Department approves the transfer of the plan approval in writing.

(b) Section 127.12a (relating to compliance review) applies to a request for transfer of a plan approval. A compliance review form shall accompany the request.

(c) This plan approval is valid only for the specific source and the specific location of the source as described in the application.

**#008 [25 Pa. Code § 127.12(4) & 35 P.S. § 4008 & § 114 of the CAA]****Inspection and Entry**

(a) 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.

(b) The permittee shall also allow the Department to have access at reasonable times to said sources and associated air cleaning devices with such measuring and recording equipment, including equipment recording visual observations, as the Department deems necessary and proper for performing its duties and for the effective enforcement of the Air Pollution Control Act and regulations adopted under the act.

**SECTION B. General Plan Approval Requirements**

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

**#009 [25 Pa. Code 127.13a]****Plan Approval Changes for Cause**

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

- (a) The permittee constructs or operates the source subject to the plan approval in violation of the act, the Clean Air Act, the regulations promulgated under the act or the Clean Air Act, a plan approval or permit or in a manner that causes air pollution.
- (b) The permittee fails to properly or adequately maintain or repair an air pollution control device or equipment attached to or otherwise made a part of the source.
- (c) The permittee fails to submit a report required by this plan approval.
- (d) The Environmental Protection Agency determines that this plan approval is not in compliance with the Clean Air Act or the regulations thereunder.

**#010 [25 Pa. Code §§ 121.9 & 127.216]****Circumvention**

- (a) The permittee, 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 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 plan approval, 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.

**#011 [25 Pa. Code § 127.12c]****Submissions**

Reports, test data, monitoring data, notifications shall be submitted to the:

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

**#012 [25 Pa. Code § 127.12(9) & 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 facility. The permittee shall submit the RMP to the Environmental Protection Agency according to the following schedule and requirements:
  - (1) The permittee shall submit the first RMP to a central point specified by the Environmental Protection Agency no later than the latest of the following:

**SECTION B. General Plan Approval Requirements**

- (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 the Environmental Protection Agency 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 plan approval 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.

**#013 [25 Pa. Code § 127.25]****Compliance Requirement**

A person may not cause or permit the operation of a source subject to § 127.11 (relating to plan approval requirements), unless the source and air cleaning devices identified in the application for the plan approval and the plan approval issued to the source, are operated and maintained in accordance with specifications in the application and conditions in the plan approval issued by the Department. A person may not cause or permit the operation of an air contamination source subject to this chapter in a manner inconsistent with good operating practices.

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

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

- (1) Construction or demolition of buildings or structures,
- (2) Grading, paving and maintenance of roads and streets,
- (3) Use of roads and streets. Emissions from material in or on trucks, railroad cars and other vehicular equipment are not considered as emissions from use of roads and streets,
- (4) Clearing of land,
- (5) Stockpiling of materials,
- (6) Open burning operations.
- (7) Blasting in open pit mines. Emissions from drilling are not considered emission from blasting.
- (8) Sources and classes of sources other than those identified above, for which the permittee has obtained a determination from the Department that fugitive emissions from the source, after appropriate control, meet the following requirements:
  - (a) The emissions are of minor significance with respect to causing air pollution,
  - (b) 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**

A person may not permit fugitive particulate matter to be emitted into the outdoor atmosphere from a source specified in Condition #001(1)-(8) above, if the emissions are visible at the point the emissions pass outside the person's property.

**# 003 [25 Pa. Code §123.41]****Limitations**

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

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

**# 004 [25 Pa. Code §123.42]****Exceptions**

The emission limitations of 25 Pa. Code Section 123.41 shall not apply when:

- (1) The presence of uncombined water is the only reason for failure of the emission to meet the limitations,
- (2) The emission results from the operation of equipment used solely to train and test persons in observing the opacity of visible emissions,
- (3) The emission results from sources specified in 25 Pa. Code Section 123.1(a)(1)-(9).

**SECTION C. Site Level Plan Approval Requirements****II. TESTING REQUIREMENTS.****# 005 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

(a) At least sixty (60) days prior to the performance of any stack testing required by this permit, the permittee shall submit two (2) copies of a pretest protocol to the Department for review. This protocol shall contain a description of the proposed test methods and procedures and shall include dimensioned drawings or sketches showing the sampling port locations. This protocol shall also identify all air contaminant source and air cleaning device operating parameters to be monitored and recorded during the testing.

(b) The Department shall be given at least fourteen (14) days advance notice of the actual date(s) and time(s) on which testing will occur so that Department personnel can arrange to be present during testing. The Department is under no obligation to accept the results of any testing performed without proper prior notification having been given.

(c) Within sixty (60) days of the completion of any stack testing required by this permit, the permittee shall submit two (2) copies of a test report to the Department. This report shall contain the results of the testing, a description of the test methods and procedures actually used for the performance of the testing, copies of all raw data, copies of all process data and control device operating data collected during the testing and a copy of all calculations generated during data analysis.

**# 006 [25 Pa. Code §139.1]****Sampling facilities.**

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

**# 007 [25 Pa. Code §139.11]****General requirements.**

(a) As specified in 25 Pa. Code Section 139.11(1), performance tests shall be conducted while the source is operating at maximum routine operating conditions or under such other conditions, within the capacity of the equipment, as may be requested by the Department.

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

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

**III. MONITORING REQUIREMENTS.****# 008 [25 Pa. Code §123.43]****Measuring techniques**

Visible emissions may be measured using either of the following:

**SECTION C. Site Level Plan Approval Requirements**

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

**IV. RECORDKEEPING REQUIREMENTS.****# 009 [25 Pa. Code §135.5]****Recordkeeping**

- (a) The permittee shall maintain such records, including computerized records, as may be necessary to comply with 25 Pa. Code Section 135.3. These may include records of production, fuel usage, equipment maintenance or other information determined by the Department to be necessary for the identification and quantification of air contaminant emissions.
- (b) All records generated pursuant to this permit condition shall be retained for a minimum of five (5) years and shall be made available to the Department upon request.

**V. REPORTING REQUIREMENTS.****# 010 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The permittee shall submit all requested reports in accordance with the Department's suggested format.

**# 011 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

- (a) The permittee shall report malfunctions which occur at this facility 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 that may result in an increase in the emissions of air contaminants. Failures that are caused in part by poor maintenance or careless operation are not malfunctions.
- (b) Failures that are caused in part by poor maintenance or careless operation shall be reported as excess emissions or deviations from this permit's requirements.
- (c) When the malfunction, excess emissions or deviation from this permit's requirements poses an imminent and substantial danger to the public health and safety or the environment, the permittee shall notify the Department by telephone no later than one (1) hour after the incident.
- (d) Unless otherwise required by the specific reporting requirements, any malfunction, excess emissions or deviation from this permit's requirements that is not subject to the notice requirements of subsection (c) of this permit condition shall be reported to the Department within 24 hours of discovery. In notifying the Department, the permittee shall describe the following:
  - (i) name and location of the facility;
  - (ii) nature and cause of the malfunction or breakdown;
  - (iii) time when the malfunction or breakdown was first observed;
  - (iv) expected duration of excess emissions;
  - (v) estimated rate of emissions; and
  - (vi) corrective actions or preventative measures taken.
- (e) The permittee shall notify the Department immediately when corrective measures have been accomplished.
- (f) Upon the request of the Department, the permittee shall submit a full written report to the Regional Air Program Manager within fifteen (15) days of the malfunction, excess emissions or deviations from this permit's requirements.



## SECTION C. Site Level Plan Approval Requirements

### VI. WORK PRACTICE REQUIREMENTS.

#### # 012 [25 Pa. Code §123.1]

##### Prohibition of certain fugitive emissions

The permittee shall take all reasonable actions to prevent particulate matter from becoming airborne as specified in 25 Pa. Code Section 123.1 subsection(s) (a)(1)-(7) or (a)(9). These actions shall include, but not be limited to, the following:

- (1) Use, where possible, of water or chemicals for control of dust in the demolition of buildings or structures, construction operations, the grading of roads or the clearing of land,
- (2) Application of asphalt, oil, or suitable chemicals on dirt roads, material stockpiles and other surfaces which may give rise to airborne dusts,
- (3) Paving and maintenance of roadways,
- (4) Prompt removal of earth or other material from paved streets onto which earth or other material has been transported by trucking or earth moving equipment, erosion by water, or other means.

### VII. ADDITIONAL REQUIREMENTS.

#### # 013 [25 Pa. Code §121.7]

##### Prohibition of air pollution.

The permittee shall not permit air pollution as that term is defined in the Pennsylvania Air Pollution Control Act (35 P.S. Sections 4001-4015).

#### # 014 [25 Pa. Code §123.31]

##### Limitations

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

#### # 015 [25 Pa. Code §127.12b]

##### Plan approval terms and conditions.

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, the permittee shall maintain a permanent truck wash station, which all vehicles must pass through prior to exiting the facility property. Tires and undercarriage of each vehicle shall be washed as needed to prevent carry out from the facility onto public roadways.

#### # 016 [25 Pa. Code §127.12b]

##### Plan approval terms and conditions.

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, all loaded trucks entering or exiting the facility via public roadways shall have the truck beds completely tarped or otherwise covered. The permittee shall post easily visible signs explaining the above requirement on the facility access road and elsewhere within the facility, as appropriate.

#### # 017 [25 Pa. Code §129.14]

##### Open burning operations

The permittee shall not permit the open burning of material at the facility unless in accordance with 25 Pa. Code Section 129.14.

### VIII. COMPLIANCE CERTIFICATION.

No additional compliance certifications exist except as provided in other sections of this plan approval including Section B (relating to Plan Approval General Requirements).

### IX. COMPLIANCE SCHEDULE.

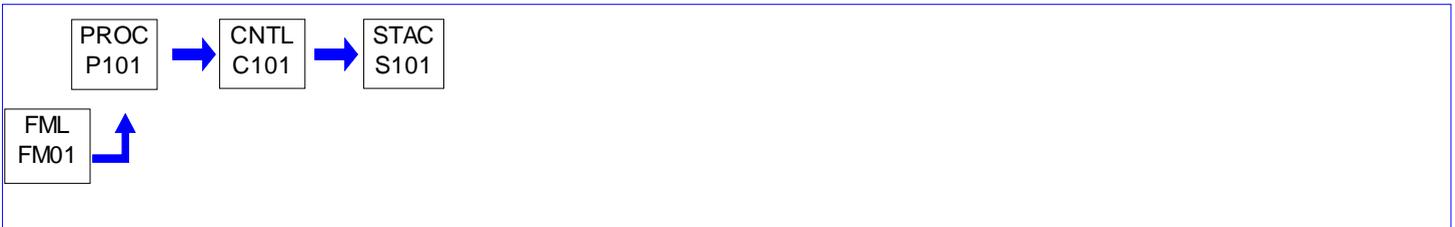
No compliance milestones exist.

**SECTION D. Source Level Plan Approval Requirements**

Source ID: P101

Source Name: LANDFILL

Source Capacity/Throughput:

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, the permittee shall not permit the following air contaminant emissions from the exhaust of Control Device C101 associated with Source P101 in excess of the limitations listed below:

- (a) nitrogen oxides (NO<sub>x</sub>, expressed as NO<sub>2</sub>) – 0.06 pounds per million Btu of heat input,
- (b) carbon monoxide (CO) – 0.20 pounds per million Btu of heat input,
- (c) sulfur oxides (SO<sub>x</sub>, expressed as SO<sub>2</sub>) – 3.63 pounds per hour,
- (d) particulate matter (PMPM10/PM2.5) – 1.53 pounds per hour,
- (e) non-methane organic compounds (NMOC) – 0.47 pounds per hour.

**# 002 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, there shall be no visible emissions from Control Device C101 associated with Source P101, except for periods during startup and shut down not to exceed 10% opacity for a period or periods aggregating more than three minutes in any 1 hour.

**Fuel Restriction(s).****# 003 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, Control Device ID C101 shall be equipped with an automatic pilot ignition system that utilizes propane or natural gas as a separate fuel source which ensures complete and immediate combustion of the landfill gas.

**Control Device Efficiencies Restriction(s).****# 004 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12 and 40 CFR Part 60 Subpart XXX Sections 60.760 through 60.769, Control Device C101 associated with Source P101 shall reduce the non-methane organic compound emissions by 98% or greater, or reduce the outlet non-methane organic compound concentration to not equal or exceed 20 parts per million, by volume, dry basis (ppmdv) at 3% oxygen.

**II. TESTING REQUIREMENTS.****# 005 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The permittee shall perform nitrogen oxide, carbon monoxide and non-methane organic compound stack tests upon Control Device C101 associated with Source P101 within 120 days from the initial operation to verify compliance with the

**SECTION D. Source Level Plan Approval Requirements**

emission limitations for nitrogen oxide, carbon monoxide and non-methane hydrocarbon emissions from Control Device C101 associated with Source P101

(a) The performance test shall consist of three (3) separate test runs and each run shall last at least in one (1) hour in duration.

(b) All testing is to be done using reference method test procedures acceptable to the Department and all testing is to be performed while Control Device C101 is operating at maximum normal operational conditions.

**III. MONITORING REQUIREMENTS.****# 006 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12 and 40 CFR Part 60 Subpart XXX Sections 60.760 through 60.769, Control Device C101 shall be equipped with instrumentation to continuously monitor and record the combustion temperature and having a minimum accuracy of +/- one percent of the temperature being monitored.

**# 007 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12 and 40 CFR Part 60 Subpart XXX Sections 60.760 through 60.769, Control Device C101 shall be equipped with instrumentation to monitor the gas flow to the flare and record the flow once every 15 minutes.

**# 008 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, Control Device C101 shall be equipped with an ultraviolet scanner with controller to confirm that a flame is present anytime that landfill gas is present.

**IV. RECORDKEEPING REQUIREMENTS.****# 009 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

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

(1) The total emissions and supporting calculations of nitrogen oxides, carbon monoxides, sulfur oxides, particulate matter and non-methane organic compounds from Control Device C101 on a monthly basis to verify compliance with the respective annual emission limitations.

(2) The combustion temperature of Control Device C101 on a continuous basis

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

**V. REPORTING REQUIREMENTS.**

No additional reporting requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

**VI. WORK PRACTICE REQUIREMENTS.****# 010 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12 and 40 CFR Part 60 Subpart XXX Sections 60.760 through 60.769, Control Device C101 associated with Source P101 shall maintain, for each 3-hour period of operation based on rolling hourly data, an average combustion temperature of no more than 28°C (50.4°F)

**SECTION D. Source Level Plan Approval Requirements**

below the average combustion temperature.

**VII. ADDITIONAL REQUIREMENTS.****# 011 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

(a) Source P101 consist of the fields of the municipal solid waste landfill which includes the landfill gas collection system.

(b) Control Device C101 is a 3,000 standard cubic foot per minute (scfm) LFG Specialties, Inc. Model EF1050I02 enclosed flare.

**# 012 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, the combustion chamber temperature of Control Device C101 shall not be less than 1,600°F, at any time.

**# 013 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, the residence time of the air contaminants in Control Device C101 shall not be less than 1.13 seconds.

**# 014 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12 and 40 CFR Part 60 Subpart XXX Sections 60.760 through 60.769, Control Device C101 shall be equipped with a bypass line valve in the closed position with a car-seal or a lock-and-key type configuration. A visible inspection of the seal or closure mechanism shall be performed at least once per month to ensure the valve is maintained in the closed position and that the gas flow is not diverted through the bypass line.

**# 015 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, Control Device C101 shall be equipped with an automatic shut-off mechanism designed to immediately stop the flow of gases when a flame-out occurs. During restart or start-up, there should be sufficient flow of auxiliary fuel to the burners such that unburned landfill gases are not emitted to the atmosphere.

**# 016 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, Control Device C101 shall be designed such that there are no visible flames during normal operation.

**# 017 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, The piping incorporated in the landfill gas collection system incorporated in Source P101 shall be sized to accommodate the maximum gas generation rate to be associated with the respective field(s). The gas collection rate shall at no time be less than the gas generation rate of the respective field.

**# 018 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, Control Device C101 shall be equipped with a propane enrichment system to allow propane fuel to be bled into the landfill gas.

**# 019 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12 and 40 CFR Part 60

**SECTION D. Source Level Plan Approval Requirements**

Subpart XXX Sections 60.760 through 60.769, the landfill gas collection system shall be operated so that the methane concentration is less than 500 parts per million above background at the surface of the landfill.

**# 020 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12 and 40 CFR Part 60 Subpart XXX Sections 60.760 through 60.769, each well associated with the gas collection system incorporated in Source P101 shall be installed no later than 60 days after the date on which the initial solid waste has been in place.

**# 021 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The permittee shall submit a plan approval application for the installation of another control device to control the higher flow rates once the actual LFG flow rate equals 2,500 cubic feet per minute.

**# 022 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

Pursuant to the Best Available Technology requirements of 25 Pa. Code Sections 127.1 and 127.12, the horizontal collection lines in the landfill gas collection system incorporated in Source P101 shall be located no more than 150 feet apart laterally and 50 feet apart vertically. The vertical well spacing in the landfill gas collection system incorporated in Source P101 shall not exceed a lateral spacings of 215 feet unless otherwise demonstrated as acceptable pursuant to the methods outlined in Appendix E of 40 CFR Part 60 Subpart WWW.

**# 023 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, gas collection and destruction in a field incorporated in Source P101 shall commence no later than two (2) years after refuse has first been deposited within that field. At that time all wells within the field shall be tied into the gas collection system associated with Source P101. No gas well shall be vented directly to the atmosphere from a field at any time after gas collection is required to commence.

**# 024 [40 CFR Part 60 Standards of Performance for New Stationary Sources §40 CFR 60.760]****Subpart XXX - Standards of Performance for Municipal Solid Waste Landfills That Commenced Construction, Reconstruction, or Modification After July 17, 2014****Applicability, designation of affected source, and delegation of authority.**

Source P101 is subject to the requirements of 40 CFR Part 60 Subpart XXX Sections 60.760 through 60.769. The permittee shall comply with all applicable requirements of 40 CFR Sections 60.760 through 60.769.



**SECTION D. Source Level Plan Approval Requirements**

Source ID: P102

Source Name: HAUL ROADS

Source Capacity/Throughput:



**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

**II. TESTING REQUIREMENTS.**

No additional testing requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

**III. MONITORING REQUIREMENTS.**

No additional monitoring requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

**IV. RECORDKEEPING REQUIREMENTS.**

No additional record keeping requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

**V. REPORTING REQUIREMENTS.**

No additional reporting requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

**VI. WORK PRACTICE REQUIREMENTS.**

No additional work practice requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

**VII. ADDITIONAL REQUIREMENTS.**

**# 001 [25 Pa. Code §127.12b]  
Plan approval terms and conditions.**

Source P102 consists of 0.43 miles of paved and 2.32 miles of unpaved haul roads.

**# 002 [25 Pa. Code §127.12b]  
Plan approval terms and conditions.**

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, the permittee shall post speed limit signs indicating the speed limit on paved road to be 15 MPH and unpaved roads to be 10 MPH.

**# 003 [25 Pa. Code §127.12b]  
Plan approval terms and conditions.**

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, An operable water truck equipped with a pressurized spray mechanism shall be kept on-site and filled with water at all times (except when refilling the truck) and shall be used for the prevention and control of fugitive air contaminant emissions from site haul roads and construction/operation activities associated with the landfill. The permittee shall water each site haul road and construction/operation area at the facility when the facility is in operation at least every two hours during months of June through September and at least twice per day during rest of the calendar year.

**SECTION D. Source Level Plan Approval Requirements**

(b) The permittee may not water each site haul road and construction/operation area at the facility if the ground is frozen or the freezing rain has fallen during the day. If at any time the fugitive dust emissions exceed the limitations of 25 Pa. Code Section 123.1, the permittee shall take such control measures as are necessary to reduce the air contaminant emissions to within the acceptable limitations.

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

**# 004 [25 Pa. Code §127.12b]**

**Plan approval terms and conditions.**

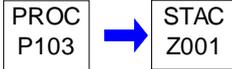
The permittee shall implement any effective winterization measure necessary to render this water truck capable of use under all weather conditions.

**SECTION D. Source Level Plan Approval Requirements**

Source ID: P103

Source Name: LEACHATE TREATMENT SYSTEM

Source Capacity/Throughput:

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, the ammonia emissions from the Source P103 shall not exceed 0.30 tons in any 12 consecutive month period.

**II. TESTING REQUIREMENTS.**

No additional testing requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

**III. MONITORING REQUIREMENTS.**

No additional monitoring requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

**IV. RECORDKEEPING REQUIREMENTS.****# 002 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

(a) The permittee shall keep records of the emission of ammonia from Source P103 on a monthly basis to verify compliance with the emission limitation in any 12 consecutive month period.

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

**V. REPORTING REQUIREMENTS.**

No additional reporting requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

**VI. WORK PRACTICE REQUIREMENTS.**

No additional work practice requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements).

**VII. ADDITIONAL REQUIREMENTS.****# 003 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

Source P103 is a Purestream, Inc. sequencing batch reactor.

**# 004 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

Pursuant to the best available technology requirements of 25 Pa. Code Sections 127.1 and 127.12, all leachate generated at the facility shall be treated in Source P103.



**SECTION E. Alternative Operation Requirements.**

No Alternative Operations exist for this Plan Approval facility.

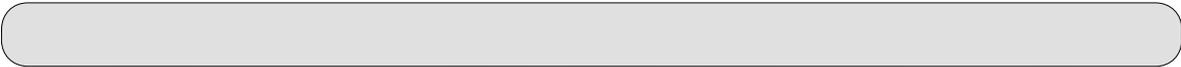


**SECTION F. Emission Restriction Summary.**

No emission restrictions listed in this section of the permit.



**SECTION G. Miscellaneous.**



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

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