



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

PLAN APPROVAL

Issue Date: July 7, 2026

Effective Date: July 7, 2026

Revision Date: July 7, 2026

Expiration Date: July 2, 2027

Revision Type: Extension

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. 48-00123A

Federal Tax Id - Plant Code: 93-4731063-1

Owner Information

Name: CHRINERGY POWER LLC

Mailing Address: 1225 INDUSTRIAL DR
EASTON, PA 18042-6829

Plant Information

Plant: CHRINERGY POWER LLC/GLENDON BUSINESS CNTR

Location: 48 Northampton County 48919 Glendon Borough

SIC Code: 4911 Trans. & Utilities - Electric Services

Responsible Official

Name: CHARLES R CHRIN

Title: VICE PRESIDENT

Phone: (610) 258 - 8737

Email: charliec@chrin.org

Plan Approval Contact Person

Name: JOSEPH KLOBUSICKY

Title: ENVIRONMENTAL MANAGER

Phone: (610) 258 - 8737

Email: jklobusicky@chrin.org

[Signature] _____

MARK J. WEJKSZNER, NORTHEAST REGION AIR PROGRAM MANAGER



Plan Approval Description

This plan approval extension is issued for the continued construction of two (2) Caterpillar G3502C 2,242 bhp landfill gas-fired, lean burn engine/generator sets, at a proposed 3.2 MW electric power generation station.



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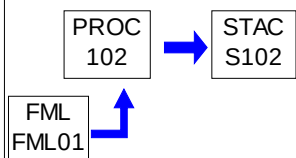
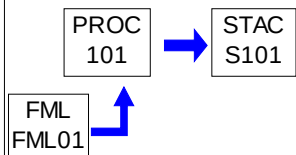
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Source ID	Source Name	Capacity/Throughput	Fuel/Material
101	IC ENGINE #1	600.000 CF/HR	Landfill Gas
102	IC ENGINE #2	600.000 CF/HR	Landfill Gas
FML01	LANDFILL GAS		
S101	STACK ENGINE #1		
S102	STACK ENGINE #2		

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 30 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(a)(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(a)(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 § 121.7]**Prohibition of Air Pollution**

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

#014 [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**

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

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

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

The permittee may not permit fugitive particulate matter to be emitted into the outdoor atmosphere from a source specified in Site Level Condition #001 if such emissions are visible at the point the emissions pass outside the person's property.

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

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

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

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

- (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.

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

The limitations of 123.41 (relating to limitations) shall not apply to a visible emission in any of the following instances:

- (1) When the presence of uncombined water is the only reason for failure of the emission to meet the limitations.
- (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 123.1(a)(1) -- (9) (relating to prohibition of certain fugitive emissions).

**SECTION C. Site Level Plan Approval Requirements****# 006 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The facility wide emissions of the following pollutants may never be exceeded the following limits, based on a 12 month rolling sum.

- a. NO_x, SO₂, and PM (including PM₁₀/PM_{2.5}) - 100 Tons/yr
- b. VOC's - 50 Tons/yr
- c. Total HAP's - 25 Tons/yr

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

If at any time the Department has cause to believe that air contaminant emissions from the aforementioned source(s) may be in excess of the limitations specified in, or established to, any applicable rule or regulation contained in Article III of the Rules and Regulations of the Department of Environmental Protection, the company shall be required to conduct whatever tests are deemed necessary by the Department to determine the actual emission rate(s). Such testing shall be conducted in accordance with the revisions of Chapter 139 of the Rules and Regulations of the Department of Environmental Protection, where applicable, and in accordance with any restrictions or limitations established by the Department at such time as it notifies the company that testing is required.

008 [25 Pa. Code §139.1]**Sampling facilities.**

Upon the request of the Department, the person responsible for a source 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.

009 [25 Pa. Code §139.11]**General requirements.**

The following are applicable to source tests for determining emissions from stationary sources:

- (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.
- (2) The Department will consider 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:
 - (i) A thorough source description, including a description of any air cleaning devices and the flue.
 - (ii) 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 affect emissions from the process.
 - (iii) The location of the sampling ports.
 - (iv) Effluent characteristics, including velocity, temperature, moisture content, gas density (percentage CO, CO₂, O₂ and N₂), static and barometric pressures.
 - (v) 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.
 - (vi) Laboratory procedures and results.
 - (vii) Calculated results.

**SECTION C. Site Level Plan Approval Requirements****III. MONITORING REQUIREMENTS.****# 010 [25 Pa. Code §123.43]****Measuring techniques**

Visible emissions may be measured using either of the following:

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

011 [25 Pa. Code §127.511]**Monitoring and related recordkeeping and reporting requirements.**

Visible and Fugitive Emissions

(a) The permittee shall conduct weekly monitoring of the plant property, while the facility is in operation, for the presence of:

- (1) Visible emissions in excess of the limits stated in SECTION C - Condition #004.
- (2) The presence of fugitive emissions visible beyond the boundaries of the facility, as stated in SECTION C – Condition #002.

(b) All detected fugitive emissions and visible emissions shall be reported to the plant supervisor.

012 [25 Pa. Code §127.511]**Monitoring and related recordkeeping and reporting requirements.**

Visible emissions may be measured according to the methods specified in SECTION C - Condition #010 or alternatively, plant personnel who observe any visible emissions in excess of SECTION C - Condition #004 will report the incident of visible emissions to the Department within four (4) hours of each incident and make arrangements for a certified observer to verify the opacity of the emissions.

IV. RECORDKEEPING REQUIREMENTS.**# 013 [25 Pa. Code §127.511]****Monitoring and related recordkeeping and reporting requirements.**

Visible Emissions

The permittee shall maintain a record of all reports of fugitive and visible emissions and the corrective action taken to abate the deviation or prevent future occurrences.

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

The company, within one hour of occurrence, shall notify the Department, at 610-861-2070, of any malfunction of the source(s) or associated air cleaning devices(s) which results in, or may possibly be resulting in, the emission of air contaminants in excess of the limitations specified in, or established pursuant to, any applicable rule or regulations contained in Article III of the Rules and Regulations of the Department of Environmental Protection. A written report shall be submitted to the Department within five working days following the incident describing the malfunctions and corrective actions taken.

015 [25 Pa. Code §127.511]**Monitoring and related recordkeeping and reporting requirements.**

Visible Emissions

On a semi-annual basis, the permittee shall compile a report of all logged instances of deviations from the fugitive and visible emissions, to be submitted to the Department. If no deviations were detected this report shall be retained on site and made available to the Department upon request.

**SECTION C. Site Level Plan Approval Requirements****# 016 [25 Pa. Code §127.513]****Compliance certification.**

Title V permits shall contain the following elements with respect to compliance:

- (1) Consistent with this article, compliance certification, testing, monitoring, reporting and recordkeeping requirements sufficient to assure compliance with the terms and conditions of the permit. Documents, including reports, required by a Title V permit shall contain a certification by a responsible official.
- (2) Inspection and entry requirements that require that, upon presentation of credentials and other documents as may be required by law, the permittee shall allow the Department or an authorized representative of the Department to perform the following:
 - (i) 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 the permit.
 - (ii) Have access to and copy or remove, at reasonable times, records that are kept under the conditions of the permit.
 - (iii) Inspect at reasonable times facilities, equipment, including monitoring and air pollution control equipment, practices or operations regulated or required under the permit.
 - (iv) 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 act or the regulations adopted under the Clean Air Act or the act.
- (3) A schedule of compliance consistent with 127.445 (relating to operating permit compliance schedules).
- (4) Progress reports consistent with the applicable schedule of compliance to be submitted at least semiannually, or at a more frequent period if specified in the applicable requirement or by the Department. The progress reports shall contain the following:
 - (i) The dates for achieving the activities, milestones or compliance required in the schedule of compliance, and dates when the activities, milestones or compliance were achieved.
 - (ii) An explanation of why dates in the schedule of compliance were not or will not be met, and the preventive or corrective measures adopted or proposed to be adopted.
- (5) Requirements for compliance certification with terms and conditions contained in the permit, including emission limitations, standards or work practices. Permits shall include the following:
 - (i) The frequency, not less than annually or more frequent periods as specified in the applicable requirement or by the Department, of submissions of compliance certifications.
 - (ii) A means of monitoring the compliance of the source with its emissions limitations, standards and work practices, consistent with the requirements of this article.
 - (iii) A requirement that the compliance certification include the following:
 - (A) The identification of each term or condition of the permit that is the basis of the certification.
 - (B) The compliance status.
 - (C) The methods used for determining the compliance status of the source, currently and over the reporting period.
 - (D) Whether compliance was continuous or intermittent.

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

(E) Other facts the Department may require to determine the compliance status of the source.

(iv) A requirement that compliance certifications be submitted to the Administrator of the EPA, as well as to the Department.

(v) Additional requirements as may be specified under sections 114(a)(3) and 504(b) of the Clean Air Act (42 U.S.C.A. 7414(a)(3) and 7661(c).

(6) Other provisions the Department may require.

017 [25 Pa. Code §135.21]**Emission statements**

(a) Except as provided in subsection (d), this section applies to stationary sources or facilities:

(1) Located in an area designated by the Clean Air Act as a marginal, moderate, serious, severe or extreme ozone nonattainment area and which emit oxides of nitrogen or VOC.

(2) Not located in an area described in subparagraph (1) and included in the Northeast Ozone Transport Region which emit or have the potential to emit 100 tons or more oxides of nitrogen or 50 tons or more of VOC per year.

(b) The owner or operator of each stationary source emitting oxides of nitrogen or VOC's shall provide the Department with a statement, in a form as the Department may prescribe, for classes or categories of sources, showing the actual emissions of oxides of nitrogen and VOCs from that source for each reporting period, a description of the method used to calculate the emissions and the time period over which the calculation is based. The statement shall contain a certification by a company officer or the plant manager that the information contained in the statement is accurate.

(c) Annual emission statements are due by March 1 for the preceding calendar year beginning with March 1, 1993, for calendar year 1992 and shall provide data consistent with requirements and guidance developed by the EPA. The guidance document is available from: United States Environmental Protection Agency, 401 M. Street, S.W., Washington, D.C. 20460. The Department may require more frequent submittals if the Department determines that one or more of the following applies:

(1) A more frequent submission is required by the EPA.

(2) Analysis of the data on a more frequent basis is necessary to implement the requirements of the act.

(d) Subsection (a) does not apply to a class or category of stationary sources which emits less than 25 tons per year of VOC's or oxides of nitrogen, if the Department in its submissions to the Administrator of the EPA under section 182(a)(1) or (3)(B)(ii) of the Clean Air Act (42 U.S.C.A. 7511a(a)(1) or (3)(B)(ii)) provides an inventory of emissions from the class or category of sources based on the use of the emission factors established by the Administrator or other methods acceptable to the Administrator. The Department will publish in the Pennsylvania Bulletin a notice of the lists of classes or categories of sources which are exempt from the emission statement requirement under this subsection.

018 [25 Pa. Code §135.3]**Reporting**

(a) A person who owns or operates a source to which this chapter applies, and who has previously been advised by the Department to submit a source report, shall submit by March 1 of each year a source report for the preceding calendar year. The report shall include information for all previously reported sources, new sources which were first operated during the proceeding calendar year and sources modified during the same period which were not previously reported.

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

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

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

019 [25 Pa. Code §135.4]**Report format**

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

VI. WORK PRACTICE REQUIREMENTS.**# 020 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

(a) The permittee shall take all reasonable actions to prevent particulate matter from becoming airborne. These actions shall include, but not be limited to, the following:

- (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, water 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.

021 [25 Pa. Code §129.14]**Open burning operations**

- (a) Air basins. No person may permit the open burning of material in an air basin.
- (b) Exceptions: The requirements of subsections (a) do not apply where the open burning operations result from:
- (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) A fire set for the purpose 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 for the purpose of burning domestic refuse, when the fire is on the premises of a structure occupied solely as a dwelling by two families or less and when the refuse results from the normal occupancy of such structure.
 - (6) A fire set solely for recreational or ceremonial purposes.
 - (7) A fire set solely for cooking food.

VII. ADDITIONAL REQUIREMENTS.

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

VIII. COMPLIANCE CERTIFICATION.

No additional compliance certifications exist except as provided in other sections of this plan approval including Section B

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

(relating to Plan Approval General Requirements).

IX. COMPLIANCE SCHEDULE.

No compliance milestones exist.

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

Source ID: 101

Source Name: IC ENGINE #1

Source Capacity/Throughput:

600.000 CF/HR

Landfill Gas

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

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

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

Source ID: 102

Source Name: IC ENGINE #2

Source Capacity/Throughput:

600.000 CF/HR

Landfill Gas

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

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

II. TESTING REQUIREMENTS.

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

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this plan approval including Section B (Plan Approval General Requirements) and/or Section E (Source Group Restrictions).

**SECTION E. Source Group Plan Approval Restrictions.**

Group Name: GROUP 1

Group Description: Engines

Sources included in this group

ID	Name
101	IC ENGINE #1
102	IC ENGINE #2

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

[Additional authority for this plan approval condition is derived from 25 Pa. Code Sections 127.1 and 127.12. Compliance with this streamlined plan approval condition assures compliance with the requirements of 25 Pa. Code Sections 123.21 and 123.13, 40 CFR Part 60 Subpart JJJJ and 40 CFR Part 63 Subpart ZZZZ.]

- a. Particulate Matter (PM/PM10/PM2.5)- 5.18 lbs/hr/engine, (10.37 pounds per hour, total)
- b. Nitrogen Oxides (NOx) - 2.47 lbs/hr/engine, (4.94 pounds per hour, total)
- c. Sulfur Dioxide (SO2) - 5.31 lbs/hr/engine (10.61 pounds per hour, total).
- d. Carbon Monoxide (CO) - 20.86 lbs/hr/engine, (41.72 pounds per hour, total)
- e. Volatile Organic Compounds: 4.84 lbs/hr/engine, (9.69 pounds per hour, total)
- f. Formaldehyde (HCHO) - 2.08 lbs/hr/engine (4.15 lbs/hr, total)
- g. Total HAPs - 2.22 lbs/hr/engine (4.44 lbs/hr, total)

These emission limits do not apply during the startup and shutdown of the internal combustion engines. Each startup and shutdown period is limited to a maximum of 30 minutes each.

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

The permittee shall limit the emissions from all two (2) engines (ID 101, 102) during any consecutive 12-month period to the following:

- a. Particulate Matter (PM) - 45.41 tons/year.
- b. Nitrogen Oxides (NOx) as NO2 - 21.65 tons/year.
- c. Sulfur Dioxide (SO2) - 46.47 tons/year.
- d. Carbon Monoxide (CO) - 182.72 tons/year.
- e. Volatile Organic Compounds (VOC) - 42.43 tons/year.
- f. Formaldehyde (HCHO) - 18.19 tons/year.
- g. Hazardous Air Pollutants (Total Combined HAPS) - 19.43 tons/year.

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

The permittee shall comply with all applicable Emission Standards requirements specified in 40 CFR Part 60 Subpart JJJJ 60.4233 through 60.4234.

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

The permittee shall comply with all applicable Emission Standards and Operating Limitations requirements specified in 40 CFR Part 63 Subpart ZZZZ 63.6600 through 63.6604.

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

[Additional authority for this plan approval condition is derived from 25 Pa. Code Sections 127.1 and 127.12. Compliance with this streamlined plan approval condition assures compliance with the requirements of 25 Pa. Code Section 123.41]

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

- (1) Equal to or greater than 10% for a period or periods aggregating more than three minutes in any 1 hour,
- (2) Equal to or greater than 30% at any time.

**SECTION E. Source Group Plan Approval Restrictions.****Fuel Restriction(s).****# 006 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The permittee shall only use landfill gas as fuel in each engine.

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

The permittee shall conduct a stack test for emissions utilizing methodology outlined in 25 Pa. Code Section 139 and the Department's Source Testing Manual or by other means approved by the Department. The source testing shall be performed while the source is operating at maximum capacity on the maximum rate of landfill gas, or as close to maximum as the engines will operate. At a minimum, the sources shall be tested for:

- a. Nitrogen Oxides (NO_x) as NO₂.
- d. Volatile Organic Compounds (VOC).
- c. Carbon Monoxide (CO).
- d. formahdehyde (HCHO)

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

1. Within 180 days of initial start-up, a stack test shall be performed in accordance with the provision of Chapter 139 of the Rules and Regulations of the Department of Environmental Protection to demonstrate the compliance with the emission limitations in this section for the engines. The stack tests shall be performed while the aforementioned sources are operating at the maximum rated capacity on each fuel as stated on the application. If testing is performed at a rate of less than full production, operation is restricted to the process-input rate of testing at such level until a subsequent compliancetest is performed at a full production.
2. At least two-weeks prior to the test, the Regional Air Quality Program Manager shall be informed of the date and time of the test.
3. At least sixty (60) days prior to the test, a pre-test protocol shall be submitted to the Department for review.
4. Within sixty (60) days of the completion of the test, two copies of the complete test report, including all operating conditions, shall be submitted to the Regional Air Quality Program Manager.
5. If at any time the Department has cause to believe that air contaminant emissions from the aforementioned source(s) may be in excess of the limitations specified in, or established pursuant to, any applicable rule or regulation contained in Article III of the Rules and Regulations of the Department of Environmental Protection, the company shall be required to conduct whatever tests are deemed necessary by the Department to determine the actual emission rate(s). Such testing shall be conducted in accordance with the revisions of Chapter 139 of the Rules and Regulations Environmental Protection, where applicable, and in accordance with any restrictions or limitations established by the Department at such time as it notifies the company that testing is required.

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

In addition to the initial source testing requirement, every 2,500 hours of operation and no sooner than forty-five (45) days from the previous test, the owner or operator shall perform periodic monitoring for NO_x and CO emissions to verify continued compliance upon each of the respective engines which has a rated capacity greater than 500 brake horsepower and subject to the BAT. A Department-approved test that has been performed within 45 days prior to the scheduled periodic monitoring may be used in lieu of the periodic monitoring for that time period. A portable gas analyzer may be used to satisfy the requirements of this condition utilizing three test runs of twenty (20) minutes for each test run. The Department may alter the frequency of portable analyzer tests based on the test results. The frequency of portable gas analyzer tests may be altered with written Departmental approval. The portable gas analyzer shall be used and maintained according to the manufacturer's specifications and the procedures specified in ASTM D 6522 or equivalent as approved by the Department.

Within thirty (30) calendar days after the completion of periodic monitoring, the owner or operator shall submit the results to the appropriate DEP Regional Office. The Department reserves the right to require source tests in accordance with EPA reference methods should the data from the portable analyzer warrant such tests.

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

The permittee shall comply with all applicable Testing and Initial Compliance requirements specified in 40 CFR Part 63

**SECTION E. Source Group Plan Approval Restrictions.**

Subpart ZZZZ 63.6610 through 63.6630

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

[Compliance with this streamlined plan approval condition assures compliance with the initial performance test requirements of 40 CFR Part 60 Subpart JJJJ]

The permittee shall perform nitrogen oxide (NO_x, expressed as NO₂), carbon monoxide, volatile organic compound and formaldehyde source tests within 180 days from the commencement of operation of the source to verify compliance with the emission limitations specified in this plan approval. In addition to the site level testing requirements specified in Section C of this plan approval, the permittee shall also comply with the following:

- (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 EPA reference test methods acceptable to the Department and all testing is to be performed while the source is operating at least 90% of maximum capacity.

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

The permittee shall comply with all applicable Testing requirements specified in 40 CFR Part 60 Subpart JJJJ 60.4243. In accordance with 40 CFR 60.4243(b)(2)(ii), the permittee shall conduct subsequent performance tests every 8,760 hours of operation or 3 years, whichever comes first.

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

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

The permittee shall continuously monitor the following parameters whenever the engines are in operation:

- (a) landfill gas flow rate,
- (b) combustion air flow rate,
- (c) hours of operation.

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

The permittee shall record the following:

- a. Monthly amount of fuel fired in the engines.
- b. 12-month rolling total amount of fuel fired in the engines.
- c. Monthly hours of operation.
- d. Monthly emissions of particulate(PM/PM₁₀), NO_x, SO_x, CO, VOC and HAPs.
- e. 12-month rolling total emissions of particulate(PM/PM₁₀), NO_x, SO_x, CO, VOC and HAPs.
- f. The permittee shall maintain records of the maintenance conducted on each engine.
- g. All records generated pursuant to this plan approval condition shall be kept for a minimum of five (5) years and made available to the Department upon request.

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

The permittee shall calculate the emissions from the engines using the rates found in the application, or as approved by the Department. The emission rates may be reviewed after results of testing are approved by the Department. Emission rates from approved test results shall be used to calculate emissions once approved.

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

The permittee shall record each start-up, shutdown and malfunction of the engines. The records shall include the date, time, duration and type of event.

Note: "Malfunction" means 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 which causes, or has the potential to cause, the emission limitations in an applicable standard to be exceeded. Failures that are caused in part by poor maintenance or careless operation are not malfunctions.

**SECTION E. Source Group Plan Approval Restrictions.****V. REPORTING REQUIREMENTS.****# 017 [25 Pa. Code §127.12b]****Plan approval terms and conditions.**

The permittee shall comply with all applicable Notification, Reporting and Records requirements specified in 40 CFR Part 60 Subpart JJJJ 60.4245.

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

The permittee shall comply with all applicable Notification, Reporting and Records requirements specified in 40 CFR Part 63 Subpart ZZZZ 63.6645 through 63.6660.

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

The engines shall be:

- a. operated in such a manner as not to cause air pollution, as defined in 25 Pa. Code § 121.1.
- b. operated and maintained in a manner consistent with good operating and maintenance practices; and
- c. operated and maintained in accordance with the manufacturer's specifications and the applicable terms and conditions of this Permit.

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

Each engine shall be equipped with a non-resettable hour meter.

**SECTION F. Alternative Operation Requirements.**

No Alternative Operations exist for this Plan Approval facility.

**SECTION G. Emission Restriction Summary.**

No emission restrictions listed in this section of the permit.



SECTION H. Miscellaneous.



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