

Facility ID: 1667010007 Issuance type: Title V Preliminary Proposed Permit

This version of facility specific terms and conditions was converted from a database format to an HTML file during an upgrade of the Ohio EPA, Division of Air Pollution Control's permitting software. Every attempt has been made to convert the terms and conditions to look and substantively conform to the permit issued or being drafted in STARS. However, the format of the terms may vary slightly from the original. In addition, although it is not expected, there is a slight possibility that a term and condition may have been inadvertently "left out" of this reproduction during the conversion process. Therefore, if this version is to be used as a starting point in drafting a new version of a permit, it is imperative that the entire set of terms and conditions be reviewed to ensure they substantively mimic the issued permit. The official version of any permit issued final by Ohio EPA is kept in the Agency's Legal section. The Legal section may be contacted at (614) 644-3037.

In addition to the terms and conditions, hyperlinks have been inserted into the document so you may more readily access the section of the document you wish to review.

Finally, the term language under "Part III" and before "I. Applicable Emissions Limitations..." has been added to aid in document conversion, and was not part of the original issued permit.

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## Part II - Specific Facility Terms and Conditions

### a State and Federally Enforceable Section

1. None

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### b State Only Enforceable Section

1. The following insignificant emissions units are located at this facility:  
Z002 - 10,000 gallon diesel fuel tank  
Each insignificant emissions unit at this facility must comply with all applicable State and federal regulations, as well as any emission limitations and/or control requirements contained within a Permit to Install for the emissions unit.  
The following insignificant emissions units are located at this facility:  
Z002 - 10,000 gallon diesel fuel tank  
Each insignificant emissions unit at this facility must comply with all applicable State and federal regulations, as well as any emission limitations and/or control requirements contained within a Permit to Install for the emissions unit.
2. The permittee shall not cause or allow any open burning at this location.  
The permittee shall not cause or allow any open burning at this location.
3. The permittee shall not initiate or allow any salvage operation to be conducted at this location without prior approval of the Ohio EPA. This excludes recycling or energy recovery, unless Ohio EPA approval is needed.  
The permittee shall not initiate or allow any salvage operation to be conducted at this location without prior approval of the Ohio EPA. This excludes recycling or energy recovery, unless Ohio EPA approval is needed.
4. The permittee shall operate this facility in such a manner that it does not become offensive or objectionable to the public in violation of OAC rule 3745-15-07. If an odor resulting from construction activities is detected at the property line, the permittee shall institute all available mitigation measures. Odor mitigation measures deemed appropriate by the Director to protect the comfort, repose, health or safety of the public shall be implemented upon request.  
The permittee shall operate this facility in such a manner that it does not become offensive or objectionable to the public in violation of OAC rule 3745-15-07. If an odor resulting from construction activities is detected at the property line, the permittee shall institute all available mitigation measures. Odor mitigation measures deemed appropriate by the Director to protect the comfort, repose, health or safety of the public shall be implemented upon request.

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**Part III - Terms and Conditions for Emissions Units**

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Facility ID: 1667010007 Emissions Unit ID: F001 Issuance type: Title V Preliminary Proposed Permit

**A. State and Federally Enforceable Section**

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

**I. Applicable Emissions Limitations and/or Control Requirements**

- 1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Clay storage piles	none	none

**2. Additional Terms and Conditions**

- a. This facility is not located in an Appendix A area as described in OAC rule 3745-17-08; therefore, OAC rules 3745-17-07 and 3745-17-08 do not apply to this fugitive emissions unit.

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**II. Operational Restrictions**

- 1. None

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**III. Monitoring and/or Record Keeping Requirements**

- 1. None

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**IV. Reporting Requirements**

- 1. None

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**V. Testing Requirements**

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**VI. Miscellaneous Requirements**

- 1. None

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Facility ID: 1667010007 Emissions Unit ID: F001 Issuance type: Title V Preliminary Proposed Permit

**B. State Enforceable Section**

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

**I. Applicable Emissions Limitations and/or Control Requirements**

- 1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Clay storage piles	OAC rule 3745-31-05 See B.VI below.	25.0 tons/year of particulate matter 0.14 pound of particulate matter per ton of material stored See B.I.2 below.

**2. Additional Terms and Conditions**

- a. The clay storage piles that are covered by this permit are listed below:
  - 1. NE Storage Piles
- b. There shall be no visible particulate emissions from any material storage pile except for a period of time not to exceed 1 minute during any 60-minute observation period.
- c. The permittee shall control fugitive dust by periodically applying water or another suitable dust suppression chemical, as needed, to comply with the particulate emission limitations. If no storage piles remain at this facility, then the permittee can discontinue the use of dust suppressants.
- d. The permittee shall maintain a cover of vegetation on the clay storage piles which is adequate to minimize erosion and visible particulate emissions.
- e. Since this landfill is closed to dumping and will no longer be accepting any material, and because this emissions unit is not located in an Appendix A area, the permittee shall not be required to implement a more detailed evaluation plan for determining when water or other suitable dust suppressant applications must be employed on the storage pile surfaces.

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**II. Operational Restrictions**

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**III. Monitoring and/or Record Keeping Requirements**

- 1. The permittee shall maintain records which include the following information for the clay storage piles:
  - a. the date dust suppressants were applied to the clay storage pile(s);
  - b. the clay storage pile(s) that were treated with dust suppressants;
  - c. the application rate of water and any chemical additives (gallons of each per square yard); and
  - d. the name of the equipment operator responsible for the application of the dust suppressants.

If no storage piles remain at this facility, then the permittee can discontinue the record keeping requirements.

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**IV. Reporting Requirements**

1. The permittee shall submit semi-annual reports to the Director (the appropriate Ohio EPA District Office or local air agency) which summarize the information required by B.III.1 above. These reports shall be submitted by January 31 and June 30 of each year and shall include information for the previous 6 calendar months.
2. If no storage piles remain at this facility, then the permittee can discontinue the reporting requirements.

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V. **Testing Requirements**

1. Compliance with the emission limitations in Sections B.I.1 and B.I.2 of these terms and conditions shall be determined in accordance with the following methods:
  - a. Emission Limitation:
 

25.0 tons/year of particulate matter

Applicable Compliance Method:

Total Emissions = Load-In + (1 - Percent Area Vegetated) \* Wind Erosion + Load-Out

    - i. Load-in  
Multiply the particulate emission factor of 0.0001 pound of particulates per ton of material by the maximum amount of clay material stored in all storage piles and convert to tons per year.
    - ii. Wind erosion  
Multiply the particulate emission factor of 0.8130 pound of particulates per ton of material by the maximum amount of clay material stored in all storage piles and convert to tons per year, then multiply the result by 1 minus the percentage of area vegetated (85%).
    - iii. Load-out  
Multiply the particulate emission factor of 0.0001 pound of particulates per ton of material by the maximum amount of clay material stored in all storage piles and convert to tons per year.

All particulate emission factors were obtained using RACM, Table 2.1.2-5.
  - b. Emission Limitation:
 

0.14 pound of particulate matter per ton of material stored

Applicable Compliance Method:

Compliance shall be demonstrated by the summation of the particulate emission factors in Section B.V.1.a, i.e., 0.1222 pound of particulate matter per ton of clay material stored.
  - c. Emission Limitation:
 

no visible particulate emissions

Applicable Compliance Method:

Compliance with the emission limitations for the clay storage piles identified above shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources," as such Appendix existed on July 1, 1996, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(c) of OAC rule 3745-17-03.\*

\*The procedures relating to Test Method 22 reflect the settlement agreement reached between Ohio EPA and the Ohio Electric Utilities concerning the Utilities' appeal to the Ohio Environmental Review Appeals Commission of the 1991 revisions and additions to OAC Chapter 3745-17. The revised rule containing the procedures was adopted by the Director of Ohio EPA in December, 1997. The USEPA and the Ohio Electric Utilities have agreed to consider the procedures as federally enforceable during the time from the effective date of this permit to the effective date of USEPA approval of the procedures as a revision to the Ohio SIP for particulate matter.

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VI. **Miscellaneous Requirements**

1. The following terms and conditions shall supersede all the air pollution control requirements for this emissions unit contained in permit to install 16-1103, as issued on November 1, 1995: A.I.2.a, B.I, B.III, B.IV, and B.V.

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 1667010007 Emissions Unit ID: F002 Issuance type: Title V Preliminary Proposed Permit

**A. State and Federally Enforceable Section**

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

**I. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Existing MSW landfill, landfill cells (NW and SW fill areas) constructed 1993, gas collection and control system	OAC rule 3745-18-06 See A.VI below.	104.4 lbs/hr SO2
	OAC rule 3745-21-08 See A.VI below.	See A.I.2.a below.
	40 CFR 60 Subpart WWW	no visible emissions from the flare

**2. Additional Terms and Conditions**

- a. The permittee shall minimize the carbon monoxide emissions from this emissions unit by the use of the best available control techniques and operating practices in accordance with best current technology.
- b. Design, construction and siting of the gas extraction wells and gas collection system shall be in accordance with Ohio's Chapter 111(d) plan as approved by the US EPA, BFI's gas collection and control system design plan submitted pursuant to Chapter 111(d), and standard industry methods and practices currently in use. In addition, the gas collection system shall:
  - i. be designed to handle the maximum expected gas flow rate over the lifetime of the gas control or treatment system equipment from the entire area of the landfill that warrants control over the equipment lifetime;
  - ii. collect gas from each area of the landfill in which refuse has been placed for a period of 2 years or more when the adjacent gas monitoring probes indicate offsite migration; and
  - iii. collect gas at a sufficient extraction rate.
- c. The collected gas shall be routed to a control system designed and operated within the parameters demonstrated in the performance test to reduce NMOCs by 98 weight-percent, at maximum inlet concentration. The NMOC concentration shall be determined by Method 25.
- d. All landfill gas collected shall be directed to the flare station.
- e. The equipment that constitutes the gas collection and control system shall be properly maintained and kept in good operating condition at all times.
- f. Drawings of the landfill gas collection system, as built, shall be submitted to the Ohio EPA Northeast District Office within 90 days after the issuance of this permit and shall be maintained on site. The drawings shall include locations of wells and trenches, well depths, pipe lengths, diameters, condensate traps, layout of the system, and other relevant information.
- g. The permittee shall submit an initial design capacity report in accordance with 60.757(a).

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**II. Operational Restrictions**

1. Whenever the flare is in operation, a temperature of at least 1400 degrees F (or higher temperature needed to ensure a 98 weight-percent destruction of the NMOCs), measured by the temperature indicator, must be maintained.
2. The total quantity of landfill gas burned in the flare system shall not exceed 3.91 million cubic feet per day.
3. If the temperature monitor detects a no flame condition which cannot be immediately restarted, the system shall automatically shut down the flow of landfill gas.
4. All recording devices shall be synchronized based on the time of day.

5. The skin temperature of the flare shroud within four feet of all the source test ports shall not exceed 250 degrees Fahrenheit. If a heat shield is required to meet the requirement, its design shall be approved by the Ohio EPA prior to its construction. The heat shield, if required to meet the temperature requirement, shall be in place whenever a source test is conducted for the Ohio EPA.
6. The gas collection system shall be operated at negative pressure to ensure that all landfill gas is directed to the flare station as required by A.1.2.d above.

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**III. Monitoring and/or Record Keeping Requirements**

1. The permittee shall operate and maintain a continuous temperature monitor and recorder which measures and records the combustion temperature within the thermal incinerator when the emissions unit is in operation. Units shall be in degrees Fahrenheit. The monitoring and recording devices shall be capable of accurately measuring the desired parameter. The temperature monitor and recorder shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, with any modifications deemed necessary by the permittee.  
  
The permittee shall collect and record the following information for each day:
  - a. all 3-hour blocks of time during which the average combustion temperature within the thermal incinerator, when the emissions unit was in operation, was less than 1400 degrees F; and
  - b. a log of the downtime for the capture (collection) system, control device, and monitoring equipment, when the associated emissions unit was in operation.
2. This facility shall operate and maintain a continuous gas flow monitor and recorder which measures and records the gas flow to the control device at least every 15 minutes. The gas flow monitor and recorder shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions and operating manuals.  
  
The permittee shall record, on a daily basis, the total volume of landfill gas burned in the flare system.
3. The permittee shall install a sampling port at each well and measure and record the gauge pressure in the gas collection header on a monthly basis.
4. The permittee shall, on a weekly basis, visually inspect the flare during peak operating conditions and record whether or not any visible emissions are present.

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**IV. Reporting Requirements**

1. Any breakdown or malfunction of the landfill gas flare resulting in the emission of raw landfill gas from the gas collection and control system shall be reported to the Ohio EPA within one hour after the occurrence, or as soon as reasonably possible, and immediate remedial measures shall be undertaken to correct the problem and prevent further emissions to the atmosphere.
2. In the event of a potential emergency, such as a fire within the landfill, wells affected may be temporarily shut off, which could result in a positive gauge pressure. The Ohio EPA field office shall be notified within one working day of any shutdowns of any wells.
3. The permittee shall submit semi-annual reports which include an identification of any weekly record showing that visible emissions were present. The reports shall be submitted by January 31 and July 31 of each year and shall cover the previous 6 calendar months.
4. The permittee shall submit deviation (excursion) reports which include the following information:
  - a. an identification of each month during which the gauge pressure in the gas collection header gave a positive pressure reading and the actual gauge pressure reading for each such month;
  - b. an identification of each period during which the temperature in the combustion device was less than 1400 degrees F, and the actual temperature reading for each such period; and
  - c. an identification of each day during which the total volume of landfill gas burned by the flare exceeded 3.91 million cubic feet, and the actual total volume of landfill gas burned for each such day.

These reports shall be submitted in accordance with the requirements specified in Part I - General Term and Condition A.1.c of this permit.

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**V. Testing Requirements**

1. The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:
  - a. The emission testing shall be conducted 6 months prior to permit renewal.
  - b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission

rates for SO<sub>2</sub> and NMOC.

c. The following test methods shall be employed to demonstrate compliance with the allowable mass emission rates:

for SO<sub>2</sub> - Method 6 or 6C of 40 CFR Part 60, Appendix A; and  
for NMOC - Method 25C of 40 CFR Part 60, Appendix A.

Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.

d. The tests shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency.

2. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test(s).
3. Personnel from the appropriate Ohio EPA District Office or local air agency shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.
4. A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the appropriate Ohio EPA District Office or local air agency.
5. Compliance with the emission limitation in Section A.I.1 of these terms and conditions shall be determined in accordance with the following method:
  - a. Emission Limitation:
 

104.4 lbs/hr SO<sub>2</sub>

Applicable Compliance Method:

Compliance with the allowable mass emission rate for SO<sub>2</sub> shall be determined in accordance with 40 CFR Part 60, Appendix A, Method 6 or 6C.
  - b. Emission Limitation:
 

no visible emissions

Applicable Compliance Method:

OAC rule 3745-17-03(B)(4)
  - c. Emission Limitation:
 

98 weight-percent destruction of NMOC

Applicable Compliance Method:

Compliance with the allowable destruction of NMOC shall be determined in accordance with 40 CFR Part 60, Appendix A, Method 25C.

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VI. **Miscellaneous Requirements**

1. The following terms and conditions shall supersede all the air pollution control requirements for this emissions unit contained in the following permits to install:
 

16-1155, as issued on September 21, 1994: A.I.1, A.I.2.a - A.I.2.f, A.II, A.III, A.IV, A.V.1 - A.V.5.a, B.I.1, and B.V.1 - B.V.5.g; and

16-1103, as issued on November 1, 1995: A.I.1, B.I, B.III., B.IV, and B.V.5.h - B.V.5.i.

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Facility ID: 1667010007 Emissions Unit ID: F002 Issuance type: Title V Preliminary Proposed Permit

**B. State Enforceable Section**

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

**I. Applicable Emissions Limitations and/or Control Requirements**

- 1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Existing MSW landfill, landfill cells (NW and SW fill areas) constructed 1993, gas collection and control system	OAC rule 3745-31-05 See A.VI.	2.18 lbs/hr NMOC 5.92 lbs/hr NOx 3.24 lbs/hr SO2 29.61 lbs/hr CO 2.26 lbs/hr HCl 0.01 lb/hr benzene 0.03 lb/hr vinyl chloride (refers to control system)  2.0 tons/year of particulate matter 0.059 ton of particulate matter per acre of cell per year (refers to landfill cells)  See B.I.2.a - B.I.2.c below.

**2. Additional Terms and Conditions**

- a. The landfill cells that are covered by this permit are listed below:
  - 1. existing landfill cells;  
NW fill area, constructed 1993; and  
SW fill area, constructed 1993
  - b. The permittee shall employ reasonably available control measures for wind erosion from area surfaces associated with the landfill cells for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to treat the landfill cells with water and/or any other suitable dust suppression chemicals at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
  - c. The above-mentioned control measures shall be employed for wind erosion from each area if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measures are necessary to ensure compliance with the above-mentioned applicable requirements. Implementation of the control measures shall not be necessary for a landfill area that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements.

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**II. Operational Restrictions**

- 1. None

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**III. Monitoring and/or Record Keeping Requirements**

- 1. Except as otherwise provided in this section, the permittee shall perform inspections of the wind erosion from landfill surfaces associated with each cell in accordance with the following frequencies:  
landfill cell identification minimum wind erosion inspection frequency  
  
existing landfill cells weekly  
NW fill areas weekly  
SW fill areas weekly
- 2. No inspection shall be necessary for wind erosion from the surface of a cell when the cell is covered with snow and/or ice and for any landfill cell activity if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Any required inspection that is not performed due to any of the above identified events shall be performed as soon as such event(s) has

(have) ended, except if the next required inspection is within one week.

3. The permittee may, upon receipt of written approval from the appropriate Ohio EPA District Office or local air agency, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements. Such modified inspection frequencies would not be considered a minor or significant modification that would be subject to the Title V permit modification requirements in paragraphs (C)(1) and (C)(3) of OAC rule 3745-77-08.
4. The permittee shall maintain records of the following information:
  - a. the date and reason any required inspection was not performed, including those inspections that were not performed due to snow and/or ice cover or precipitation;
  - b. the date of each inspection where it was determined by the permittee that it was necessary to implement the control measures;
  - c. the dates the control measures were implemented; and
  - d. on a calendar quarter basis, the total number of days the control measures were implemented and the total number of days where snow and/or ice cover or precipitation were sufficient to not require the control measures.

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#### IV. Reporting Requirements

1. The permittee shall submit deviation reports that identify any of the following occurrences:
  - a. each day during which an inspection was not performed by the required frequency, excluding an inspection which was not performed due to an exemption for snow and/or ice cover or precipitation; and
  - b. each instance when a control measure, that was to be implemented as a result of an inspection, was not implemented.

The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.
2. If no landfill cells remain at this facility, then the permittee can discontinue the reporting requirements.

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#### V. Testing Requirements

1. The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:
  - a. The emission testing shall be conducted 6 months prior to permit renewal.
  - b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rates for NMOC, NOx, SO<sub>2</sub>, CO, HCl, benzene, and vinyl chloride.
  - c. The following test methods shall be employed to demonstrate compliance with the allowable mass emission rates:
    - for NMOC - Method 25C of 40 CFR Part 60, Appendix A;
    - for NOx - Method 7 or 7E of 40 CFR Part 60, Appendix A;
    - for SO<sub>2</sub> - Method 6 or 6C of 40 CFR Part 60, Appendix A;
    - for CO - Method 10 of 40 CFR Part 60, Appendix A;
    - for HCl - Method 26 or 26A of 40 CFR Part 60, Appendix A;
    - for benzene - Method 18 of 40 CFR Part 60, Appendix A; and
    - for vinyl chloride - Method 18 of 40 CFR Part 60, Appendix A.

Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.
  - d. The tests shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency.
2. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test(s).
3. Personnel from the appropriate Ohio EPA District Office or local air agency shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.
4. A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s). The permittee may request additional time for the

submittal of the written report, where warranted, with prior approval from the appropriate Ohio EPA District Office or local air agency.

5. Compliance with the emission limitations in Section B.I.1 of these terms and conditions shall be determined in accordance with the following methods:
  - a. Emission Limitation:  
2.18 lbs/hr NMOC  
  
Applicable Compliance Method:  
  
Compliance with the allowable mass emission rate for NMOC shall be determined in accordance with 40 CFR Part 60, Appendix A, Method 25C.
  - b. Emission Limitation:  
5.92 lbs/hr NO<sub>x</sub>  
  
Applicable Compliance Method:  
  
Compliance with the allowable mass emission rate for NO<sub>x</sub> shall be determined in accordance with 40 CFR Part 60, Appendix A, Method 7 or 7E.
  - c. Emission Limitation:  
3.24 lbs/hr SO<sub>2</sub>  
  
Applicable Compliance Method:  
  
Compliance with the allowable mass emission rate for SO<sub>2</sub> shall be determined in accordance with 40 CFR Part 60, Appendix A, Method 6 or 6C.
  - d. Emission Limitation:  
29.61 lbs/hr CO  
  
Applicable Compliance Method:  
  
Compliance with the allowable mass emission rate for CO shall be determined in accordance with 40 CFR Part 60, Appendix A, Method 10.
  - e. Emission Limitation:  
2.26 lbs/hr HCl  
  
Applicable Compliance Method:  
  
Compliance with the allowable mass emission rate for HCl shall be determined in accordance with 40 CFR Part 60, Appendix A, Method 26 or 26A.
  - f. Emission Limitation:  
0.01 lb/hr benzene  
  
Applicable Compliance Method:  
  
Compliance with the allowable mass emission rate for benzene shall be determined in accordance with 40 CFR Part 60, Appendix A, Method 18.
  - g. Emission Limitation:  
0.03 lb/hr vinyl chloride  
  
Applicable Compliance Method:  
  
Compliance with the allowable mass emission rate for vinyl chloride shall be determined in accordance with 40 CFR Part 60, Appendix A, Method 18.
  - h. Emission Limitation:  
2.0 tons/year particulate matter  
  
Applicable Compliance Method:  
  
Multiply the RACM, Table 2.1.2-5, particulate emission factor of 0.048 ton of particulates per acre per year by the maximum number of acres worked per year.

- i. mission Limitation:
  - 0.059 tons of particulate matter per acre of cell per year
  - Applicable Compliance Method:
    - Compliance shall be demonstrated by the RACM, Table 2.1.2-5, particulate emission factor of 0.048 tons of particulates per acre of cell per year.

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 1667010007 Emissions Unit ID: F003 Issuance type: Title V Preliminary Proposed Permit

**A. State and Federally Enforceable Section**

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. **Applicable Emissions Limitations and/or Control Requirements**

- 1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Paved roadways and parking areas	none	none
Unpaved roadways and parking areas	none	none

2. **Additional Terms and Conditions**

- a. This facility is not located in an Appendix A area as described in OAC rule 3745-17-08; therefore, OAC rules 3745-17-07 and 3745-17-08 do not apply to this fugitive emissions unit.

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II. **Operational Restrictions**

- 1. None

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III. **Monitoring and/or Record Keeping Requirements**

- 1. None

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IV. **Reporting Requirements**

- 1. None

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V. **Testing Requirements**

- 1. None

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VI. **Miscellaneous Requirements**

- 1. None

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**B. State Enforceable Section**

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

**I. Applicable Emissions Limitations and/or Control Requirements**

- 1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Roadways and parking areas, paved and unpaved (See B.I.2.a and B.I.2.b)	OAC rule 3745-31-05 See B.VI below.	35 tons/year of particulate matter  2.71 pounds of particulate matter per vehicle mile traveled (VMT)  no visible particulate emissions from any paved roadway or parking area except for a period of time not to exceed 1 minute during any 60-minute observation period  no visible particulate emissions from any unpaved roadway or parking area except for a period of time not to exceed 3 minutes during any 60-minute observation period

**2. Additional Terms and Conditions**

- a. The paved roadways and parking areas that are covered by this permit are listed below:
  - 1. Paved roadways:
    - entrance road
  - Paved parking areas:
    - paved parking area
- b. The unpaved roadways and parking areas that are covered by this permit are listed below:
  - Unpaved roadways:
    - main road
  - Unpaved parking areas:
    - unpaved parking area
- c. The permittee shall employ reasonably available control measures on all paved roadways and parking areas for the purpose of ensuring compliance with the above-mentioned applicable requirements. The permittee shall treat the paved roadways and parking areas by flushing with water, sweeping, and/or watering at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
 

Since this landfill is closed to dumping and will no longer be accepting any material, vehicular traffic is expected to be at a minimum, and because this emissions unit is not located in an Appendix A area, the

permittee will not be required to implement a more detailed evaluation plan for determining when water or other suitable dust suppressant applications must be employed on the road surfaces and parking areas.

A maximum speed limit of 15 miles per hour shall be posted and enforced on the property on all paved roadway and parking areas.

- d. The permittee shall employ reasonably available control measures on all unpaved roadways and parking areas for the purpose of ensuring compliance with the above-mentioned applicable requirements. The permittee shall treat the unpaved roadways and parking areas with water and/or any other suitable dust suppression chemicals at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

Since this landfill is closed to dumping and will no longer be accepting any material, vehicular traffic is expected to be at a minimum, and because this emissions unit is not located in an Appendix A area, the permittee will not be required to implement a more detailed evaluation plan for determining when water or other suitable dust suppressant applications must be employed on the road surfaces and parking areas.

A maximum speed limit of 5 miles per hour shall be posted and enforced on the property on all unpaved roadway and parking areas.

- e. Any unpaved roadway or parking area, which during the term of this permit is paved or takes the characteristics of a paved surface due to the application of certain types of dust suppressants, may be controlled with the control measure specified above for paved surfaces. Any unpaved roadway or parking area that takes the characteristics of a paved roadway or parking area due to the application of certain types of dust suppressants shall remain subject to the visible emission limitation for unpaved roadways and parking areas. Any unpaved roadway or parking area that is paved shall be subject to the visible emission limitation for paved roadways and parking areas.
- f. The permittee shall promptly remove, in such a manner as to minimize or prevent resuspension, earth and/or other material from paved streets onto which such material has been deposited by trucking or earth moving equipment or erosion by water or other means.
- g. Open-bodied vehicles transporting materials likely to become airborne shall have such materials covered at all times if the control measure is necessary for the materials being transported.
- h. No treatment shall be necessary for a roadway or parking area that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to minimize or eliminate visible emissions of fugitive dust generated by vehicular traffic and to ensure compliance with the above-mentioned visible emission limitations.

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**II. Operational Restrictions**

1. None

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**III. Monitoring and/or Record Keeping Requirements**

1. The permittee shall maintain daily records for the roadways and parking areas. These records shall include the following information:
- the identification of each roadway or parking area that was treated;
  - the dates each roadway or parking area was treated and/or cleaned;
  - the application rate of water or dust suppressants (gallons sprayed per 100 sq. ft. area); and
  - the general weather conditions for each day.

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**IV. Reporting Requirements**

1. The permittee shall submit semi-annual reports to the Director (the appropriate Ohio EPA District Office or local air agency) which summarize the information required by B.III.1 above. These reports shall be submitted by January 31 and June 30 of each year and shall include information for the previous 6 calendar months.

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**V. Testing Requirements**

1. Compliance with the emission limitations in Sections B.I.1 and B.I.2 of these terms and conditions shall be determined in accordance with the following methods:
  - a. Emission Limitation:

35 tons/year of particulate matter

Applicable Compliance Method:

Total Emissions = Paved Emissions + Unpaved Emissions

    - i. Paved Emissions:  
Weighted emission factor: 0.04 pound per VMT
    - ii. Unpaved Emissions:  
Weighted emission factor: 2.16 pounds per VMT

Multiply the maximum number of miles traveled per year by the appropriate particulate emission factor and convert to tons per year.

All weighted particulate emission factors are based on the types of vehicles using the roadways and the applicable equations in RACM, Section 2.1.1 and AP-42, 5th edition, Sections 13.2.1 and 13.2.2.
  - b. Emission Limitation:

2.71 pounds of particulate matter per VMT

Applicable Compliance Method:

Compliance with the emission limitation will be demonstrated by the derived emission factors of 0.04 pound of particulate per VMT on paved surfaces and 2.16 pounds of particulate per VMT on unpaved surfaces.

All weighted particulate emission factors are based on the types of vehicles using the roadways and the applicable equations in RACM, Section 2.1.1 and AP-42, 5th edition, Sections 13.2.1 and 13.2.2.
  - c. Emission Limitation:

no visible particulate emissions

Applicable Compliance Method:

Compliance with the emission limitations for the paved and unpaved roadways and parking areas identified above shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources," as such Appendix existed on July 1, 1996, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(d) of OAC rule 3745-17-03.\*

\*The procedures relating to Test Method 22 reflect the settlement agreement reached between Ohio EPA and the Ohio Electric Utilities concerning the Utilities' appeal to the Ohio Environmental Review Appeals Commission of the 1991 revisions and additions to OAC Chapter 3745-17. The revised rule containing the procedures was adopted by the Director of Ohio EPA in December, 1997. The USEPA and the Ohio Electric Utilities have agreed to consider the procedures as federally enforceable during the time from the effective date of this permit to the effective date of USEPA approval of the procedures as a revision to the Ohio SIP for particulate matter.

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VI. **Miscellaneous Requirements**

1. The following terms and conditions shall supersede all the air pollution control requirements for this emissions unit contained in permit to install 16-1103, as issued on November 1, 1995: B.I, B.III, B.IV, and B.V.