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Facility Name: **USA Waste - Geneva Landfill**

Application Number: **02-2039**

Date: **March 24, 1999**

**GENERAL PERMIT CONDITIONS**

**TERMINATION OF PERMIT TO INSTALL**

Substantial construction for installation must take place within 18 months of the effective date of this permit. This deadline may be extended by up to 12 months if application is made to the Director within a reasonable time before the termination date and the party shows good cause for any such extension.

**NOTICE OF INSPECTION**

The Director of the Ohio Environmental Protection Agency, or his authorized representatives, may enter upon the premises of the above-named applicant during construction and operation at any reasonable time for the purpose of making inspections, conducting tests, or to examine records or reports pertaining to the construction, modification or installation of the source(s) of environmental pollutants identified within this permit.

**CONSTRUCTION OF NEW SOURCES**

The proposed source(s) shall be constructed in strict accordance with the plans and application submitted for this permit to the Director of the Ohio Environmental Protection Agency. There may be no deviation from the approved plans without the express, written approval of the Agency. Any deviations from the approved plans or the above conditions may lead to such sanctions and penalties as provided under Ohio law. Approval of these plans does not constitute an assurance that the proposed facilities will operate in compliance with all Ohio laws and regulations. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed sources are inadequate or cannot meet applicable standards.

If the construction of the proposed source(s) has already begun or has been completed prior to the date the Director of the Environmental Protection Agency approves the permit application and plans, the approval does not constitute expressed or implied assurance that the proposed facility has been constructed in accordance with the approved plans. The action of beginning and/or completing construction prior to obtaining the Director's approval constitutes a violation of Ohio Administrative Code (OAC) Rule 3745-31-02. Furthermore, issuance of the Permit to Install does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. Approval of the plans in any case is not to be construed as

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an approval of the facility as constructed and/or completed. Moreover, issuance of the Permit to Install is not to be construed as a waiver of any rights that the Ohio Environmental Protection Agency (or other persons) may have against the applicant for starting construction prior to the effective date of the permit. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed facilities cannot meet applicable standards.

### **PERMIT TO INSTALL FEE**

In accordance with Ohio Revised Code 3745.11, the specified Permit to Install fee must be remitted within 30 days of the effective date of this permit to install.

### **PUBLIC DISCLOSURE**

The facility is hereby notified that this permit, and all agency records concerning the operation of this permitted source, are subject to public disclosure in accordance with OAC Rule 3745-49-03.

### **APPLICABILITY**

This Permit to Install is applicable only to the contaminant sources identified. Separate application must be made to the Director for the installation or modification of any other contaminant sources.

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### **BEST AVAILABLE TECHNOLOGY**

As specified in OAC Rule 3745-31-05, all new sources must employ Best Available Technology (BAT). Compliance with the terms and conditions of this permit will fulfill this requirement.

### **PERMIT TO OPERATE APPLICATION**

A Permit to Operate application must be submitted to the appropriate field office for each air contaminant source in this Permit to Install. In accordance with OAC Rule 3745-35-02, the application shall be filed no later than thirty days after commencement of operation.

### **SOURCE OPERATION AFTER COMPLETION OF CONSTRUCTION**

This facility is permitted to operate each source described by this permit to install for a period of up to one year from the date the source commenced operation. This permission to operate is granted only if the facility complies with all requirements contained in this permit and all applicable air pollution laws and regulations.

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<u>Ohio EPA Source Number</u>	<u>Source Identification Number</u>	<u>BAT Determination</u>	<u>Applicable Federal &amp; OAC Rules</u>	<u>Permit Allowable Mass Emissions and/or Control/Usage Requirements</u>
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AIR EMISSION SUMMARY

The air contaminant emissions units listed below comprise the Permit to Install for **USA Waste - Geneva Landfill** located in **Ashtabula** County. The emissions units listed below shall not exceed the emission limits/control requirements contained in the table. This condition in no way limits the applicability of any other state or federal regulations. Additionally, this condition does not limit the applicability of additional special terms and conditions of this permit.

(Mod)

<u>Ohio EPA Source Number</u>	<u>Source Identification Description</u>
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F001 (Mod)	Roadways and parking areas
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F002  
(Mod)

F002	Landfill operations
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<u>Ohio EPA Source Number</u>	<u>Source Identification Number</u>	<u>BAT Determination</u>	<u>Applicable Federal &amp; OAC Rules</u>	<u>Permit Allowable Mass Emissions and/or Control/Usage Requirements</u>
		percent opacity as a 6 minute average.		
	<u>BAT Determination</u>	Compliance with the NSPS		
		No visible emissions from any unpaved roadway or parking areas except for a period of time not to exceed three minutes during any sixty-minute observation period.		
		No visible emissions from any paved roadway or parking area except for a period of time not to exceed one minute during any sixty-minute observation period.		
		Visible emissions not to exceed 10		

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<u>Ohio EPA Source Number</u>	<u>Source Identification Number</u>	<u>BAT Determination</u>	<u>Applicable Federal &amp; OAC Rules</u>	<u>Permit Allowable Mass Emissions and/or Control/Usage Requirements</u>
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Applicable  
Federal &  
OAC Rules

3745-31-05

3745-17-08

3745-17-07

3745-31-05

40 CFR 60  
Subpart WWW

3745-17-08

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<u>Ohio EPA Source Number</u>	<u>Source Identification Number</u>	<u>BAT Determination</u>	<u>Applicable Federal &amp; OAC Rules</u>	<u>Permit Allowable Mass Emissions and/or Control/Usage Requirements</u>
	Permit Allowable Mass Emissions and/or Control/Usage Requirements	Terms and Conditions		
		shall not apply per 3745-17-08 (A) (i)		
		See BAT Determination, PM: 14.5 TPY shall not apply per 3745-17-08 (A) (1)		
		shall not apply per OAC 3745-17-07 (B) (ii) (d)		
		Use of reasonably available control measures 3.3 TPY of PM		
		See Additional		

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SUMMARY  
 TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS

<u>Pollutant</u>	<u>Tons/Year</u>
PM	17.8

**NSPS REQUIREMENTS**

The following sources are subject to the applicable provisions of the New Source Performance Standards (NSPS) as promulgated by the United States Environmental Protection Agency, 40 CFR Part 60.

<u>Source Number</u>	<u>Source Description</u>	<u>NSPS Regulation (Subpart)</u>
F002	Landfill operations	WWW

The application and enforcement of these standards are delegated to the Ohio EPA. The requirements of 40 CFR Part 60 are also federally enforceable.

Pursuant to the NSPS, the source owner/operator is hereby advised of the requirement to report the following at the appropriate times:

- a. construction date (no later than 30 days after such date);
- b. anticipated start-up date (not more than 60 days or less than 30 days prior to such date);
- c. actual start-up date (within 15 days after such date); and
- d. date of performance testing (If required, at least 30 days prior to testing).

Reports are to be sent to:

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Ohio Environmental Protection Agency  
DAPC - Permit Management Unit  
P.O. Box 163669  
Columbus, OH 43216-3669

and **Ohio EPA, Northeast District Office**  
**2110 E. Aurora Road**  
**Twinsburg, OH 44087**

#### **MAINTENANCE OF EQUIPMENT**

This source and its associated air pollution control system(s) shall be maintained regularly in accordance with good engineering practices and the recommendations of the respective manufacturers in order to minimize air contaminant emissions.

#### **MALFUNCTION/ABATEMENT**

In accordance with OAC RULE 3745-15-06, any malfunction of the source(s) or associated air pollution control system(s) shall be reported immediately to the **Ohio EPA, Northeast District Office, 2110 E. Aurora Road, Twinsburg, OH 44087.**

Except as provided by OAC Rule 3745-15-06(A)(3), scheduled maintenance of air pollution control equipment that requires the shutdown or bypassing of air pollution control system(s) must be accompanied by the shutdown of the associated air pollution sources.

#### **AIR POLLUTION NUISANCES PROHIBITED**

The air contaminant source(s) identified in this permit may not cause a public nuisance in violation of OAC Rule 3745-15-07.

#### **CONSTRUCTION COMPLIANCE CERTIFICATION**

The applicant shall provide Ohio EPA with a written certification (see enclosed form) that the facility has been constructed in accordance with the Permit to Install application and the terms and conditions of the Permit to Install. The certification shall

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be provided to Ohio EPA upon completion of construction but prior to startup of the source.

#### **ADDITIONAL SPECIAL TERMS AND CONDITIONS**

##### **A. Allowable Emissions Limitation(s)**

1. No visible emissions from any unpaved roadway or parking area except for a period of time not to exceed three minutes during any sixty-minute observation period.
2. No visible emissions from any paved roadway or parking area except for a period of time not to exceed one minute during any sixty minute observation period.
3. Visible emissions from the landfill operations shall not exceed 10 percent opacity as a six minute average.
4. The particulate emissions from the roadway and parking areas shall not exceed 14.5 tons per year.
5. The particulate emissions from the landfill operations shall not exceed 3.3 tons per year.

##### **B. Additional Terms and Conditions**

1. The paved roadways and parking areas that are covered by this permit and subject to the requirements of OAC 3745-31-05 are listed below:

###### **Paved Roadways**

All landfill paved roadways

###### **Paved Parking Areas**

All landfill paved parking areas

2. The unpaved roadways and parking areas that are covered by this permit and subject to the requirements of OAC 3745-31-05 are listed below:

###### **Unpaved Roadways**

All landfill unpaved roadways

###### **Unpaved Parking Areas**

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All landfill unpaved parking areas

3. The permittee shall employ reasonably available control measures on all paved roadways and parking areas for the purpose of ensuring compliance with the visible emission requirements. In accordance with the permittee's permit application, the permittee has committed to treat the paved roadways and parking areas by flushing with water, sweeping, 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.
4. The permittee shall employ reasonably available control measures when unloading waste at the landfill for the purposes of ensuring compliance with the visible emission limitations. These measures shall include minimizing the working face and ensuring the moisture content of the material is sufficient enough to prevent fugitive emissions. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
5. The permittee shall employ reasonably available control measures on all unpaved roadways and parking areas for the purpose of ensuring compliance with the visible emission requirements. In accordance with the permittee's permit application, the permittee has committed to treat the unpaved roadways and parking areas by resurfacing with gravel 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.
6. The needed frequencies of implementation of the control measures shall be determined by the permittee's inspections pursuant to the monitoring section of this permit. Implementation of the control measures shall not be necessary for a paved or unpaved roadway or parking 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 visible emission requirements. Implementation of any control measure may be suspended if unsafe or hazardous driving conditions would be created by its use.
7. 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

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the control measure(s) 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.

8. Open-bodied vehicles transporting materials on-site likely to become airborne shall have such materials covered at all times if the control measure is necessary for the materials being transported.
9. The permittee shall employ reasonably available control measures for wind erosion of the surface of the landfill for the purposes of ensuring compliance with the visible emission limitations.
10. 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.

**C. Operational Restrictions**

1. There shall be no open burning, in violation of OAC Chapter 3745-19, at this facility.
2. Waste oil shall not be applied as a dust suppressant on any roadways or parking areas.
3. A speed limit of 15 miles per hour shall be posted and enforced on all roadways and parking areas.
4. At the end of each operating day, the waste shall be covered with a 6 inch layer of soil or any other approved cover.

**D. Monitoring and/or Recordkeeping Requirements**

1. Upon the design capacity of the landfill meeting or exceeding 2.5 million cubic meters or 2.5 megagrams, the permittee shall maintain records of

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the annual non-methane organic compound, NMOC, emission rate from the landfill, per 40 CFR 60 Subpart WWW. These records shall be maintained until the landfill is closed, and shall be made available for review by the Director or his/her representative during normal business hours.

2. Except as otherwise provided in this section, the permittee shall perform inspections of the roadways and parking areas in accordance with the following frequencies:

<u>Roadway and/or Parking Area</u>	<u>Minimum Inspection Frequency</u>
Paved roadways and Parking Areas	Daily
Unpaved Roadways and Parking Areas	Daily

3. The purpose of the inspections is to determine the need for implementing the above-mentioned control measures. The inspections shall be performed during representative, normal traffic conditions. No inspection 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 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.
4. The permittee may, upon receipt of written approval from the Northeast District Office of the Ohio EPA, 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.
5. 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

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snow and/or ice cover or precipitation were sufficient to not require the control measures.

The information required in 5. shall be kept separately for (i) the paved roadways and parking areas and (ii) the unpaved roadways and parking areas, and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

#### **E. Reporting Requirements**

1. The permittee shall submit a report, with calculations, that includes the annual NMOC emission rate within 90 days of the expansion permit being granted. The report shall also contain the design capacity of the landfill. This report is required per 40 CFR 60.757(a)(1)(i).
2. The permittee must submit a Title V Application within twelve months of becoming subject to the Title V permit program, in accordance with 40 CFR Part 60, Subpart WWW and OAC rule 3745-77-04.
3. If the NMOC emission rate equals or exceeds 50 megagrams per year, the permittee shall submit, within 12 months, a collection and control system design plan in compliance with 40 CFR 60.752(b)(2).
4. Within 18 months of the submittal of the collection and control system design plan, the collection and control system shall be installed.
5. 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;
  - b. each instance when a control measure, that was to be implemented as a result of an inspection, was not implemented; and,
  - c. these reports shall be submitted within 30 days of the occurrence and shall include any corrective action or preventive measures taken.

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**F. Testing Requirements**

1. Emissions from the landfill roadways and parking areas shall be calculated by using the emission factors set forth in AP-42 sections 13.2.1 and 13.2.2, paved roads and unpaved roads, respectively.
2. Emissions from the landfill operations shall be calculated by using the emission factors set forth in AP-42 sections 13.2.4 and 13.2.5, aggregate handling and storage piles and industrial wind erosion, respectively,
3. The visible particulate emissions of fugitive dust from roadways and parking areas and material handling and covering operations described in these terms and conditions shall be determined by using USEPA Method 22 and Method 9 as specified in 40 CFR 60, Appendix A.
4. The NMOC emissions described in these terms and conditions shall be determined as specified in 40 CFR 60.754.

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**G. Miscellaneous Requirements**

1. Regulated asbestos shall not be accepted for disposal at this facility without prior Ohio EPA written approval.
2. The emissions from this facility are prohibited from causing a nuisance in accordance with OAC rule 3745-15-07. If Ohio EPA determines that emissions of odors from landfill operations are contributing to an odor nuisance, the permittee shall immediately undertake a program to reduce emissions or the impact of the emissions to eliminate the nuisance.