



State of Ohio Environmental Protection Agency

**RE: FINAL PERMIT TO INSTALL
HAMILTON COUNTY**

CERTIFIED MAIL

Street Address:

Lazarus Gov. Center TELE: (614) 644-3020 FAX: (614) 644-2329

Mailing Address:

Lazarus Gov.
Center

Application No: 14-4771

DATE: August 11, 1999

Rumpke Sanitary Landfill, Inc.
Ron Strube
10795 Hughes Road
Cincinnati, OH 45251

Enclosed please find an Ohio EPA Permit to Install which will allow you to install the described source(s) in a manner indicated in the permit. Because this permit contains several conditions and restrictions, I urge you to read it carefully.

The Ohio EPA is urging companies to investigate pollution prevention and energy conservation. Not only will this reduce pollution and energy consumption, but it can also save you money. If you would like to learn ways you can save money while protecting the environment, please contact our Office of Pollution Prevention at (614) 644-3469.

You are hereby notified that this action by the Director is final and may be appealed to the Ohio Environmental Review Appeals Commission pursuant to Chapter 3745.04 of the Ohio Revised Code. The appeal must be in writing and set forth the action complained of and the grounds upon which the appeal is based. It must be filed within thirty (30) days after the notice of the Directors action. A copy of the appeal must be served on the Director of the Ohio Environmental Protection Agency within three (3) days of filing with the Commission. An appeal may be filed with the Environmental Review Appeals Commission at the following address:

Environmental Review Appeals Commission
236 East Town Street, Room 300
Columbus, Ohio 43215

Very truly yours,
Field Operations and Permit Section
Division of Air Pollution Control

cc: USEPA
HAMILTON COUNTY DEPT. OF ENV SERVICES



**Permit To Install
Terms and
Conditions**

Issue Date: August 11, 1999
Effective Date: August 11, 1999

FINAL PERMIT TO INSTALL 14-4771

Application Number: 14-4771
APS Premise Number: 1431092049
Permit Fee: **\$ 5000**
Name of Facility: Rumpke Sanitary Landfill, Inc.
Person to Contact: Ron Strube
Address: 10795 Hughes Road
Cincinnati, OH 45251

Location of proposed air contaminant source(s) [emissions unit(s)]:
**10795 Hughes Road
Cincinnati, Ohio**

Description of proposed emissions unit(s):
150 TON/HR AND 250 TON/HR MOBILE SOIL SHREDDERS, THREE 160 HP DIESEL ENGINES.

The above named entity is hereby granted a Permit to Install for the above described emissions unit(s) pursuant to Chapter 3745-31 of the Ohio Administrative Code. Issuance of this permit does not constitute expressed or implied approval or agreement that, if constructed or modified in accordance with the plans included in the application, the above described emissions unit(s) of environmental pollutants will operate in compliance with applicable State and Federal laws and regulations, and does not constitute expressed or implied assurance that if constructed or modified in accordance with those plans and specifications, the above described emissions unit(s) of pollutants will be granted the necessary permits to operate (air) or NPDES permits as applicable.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Director

Rumpke Sanitary Landfill, Inc.

PTI Application: 14-4771

August 11, 1999

Facility ID: 1431092049

Part I - GENERAL TERMS AND CONDITIONS

A. State and Federally Enforceable Permit To Install General Terms and Conditions

1. Monitoring and Related Recordkeeping and Reporting Requirements

- a. Except as may otherwise be provided in the terms and conditions for a specific emissions unit, the permittee shall maintain records that include the following, where applicable, for any required monitoring under this permit:
 - i. The date, place (as defined in the permit), and time of sampling or measurements.
 - ii. The date(s) analyses were performed.
 - iii. The company or entity that performed the analyses.
 - iv. The analytical techniques or methods used.
 - v. The results of such analyses.
 - vi. The operating conditions existing at the time of sampling or measurement.
- b. Each record of any monitoring data, testing data, and support information required pursuant to this permit shall be retained for a period of five years from the date the record was created. Support information shall include, but not be limited to, all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. Such records may be maintained in computerized form.
- c. Except as may otherwise be provided in the terms and conditions for a specific emissions unit, the permittee shall submit required reports in the following manner:
 - i. Reports of any required monitoring and/or recordkeeping information shall be submitted to the appropriate Ohio EPA District Office or local air agency.
 - ii. Quarterly written reports of (i) any deviations from federally enforceable emission limitations, operational restrictions, and control device operating parameter limitations, excluding deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06, that have been detected by the testing, monitoring and recordkeeping requirements specified in this permit, (ii) the probable cause of such deviations, and (iii) any corrective actions or preventive measures taken, shall be promptly made to the appropriate Ohio EPA District Office or local air agency. These quarterly written reports shall satisfy the requirements of OAC rule 3745-77-07(A)(3)(c)(i) and (ii) pertaining to the submission of monitoring reports every six months and OAC rule

3745-77-07(A)(3)(c)(iii) pertaining to the prompt reporting of all deviations except malfunctions, which shall be reported in accordance with OAC rule 3745-15-06. The written reports shall be submitted quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.) See B.14 below if no deviations occurred during the quarter.

- iii. Written reports, which identify any deviations from the federally enforceable monitoring, recordkeeping, and reporting requirements contained in this permit shall be submitted to the appropriate Ohio EPA District Office or local air agency every six months, i.e., by January 31 and July 31 of each year for the previous six calendar months. These semi-annual written reports shall satisfy the requirements of OAC rule 3745-77-07(A)(3)(c)(i) and (ii) pertaining to the reporting of any deviations related to the monitoring, recordkeeping, and reporting requirements. If no deviations occurred during a six-month period, the permittee shall submit a semi-annual report, which states that no deviations occurred during that period.
- iv. Each written report shall be signed by a responsible official certifying that, based on information and belief formed after reasonable inquiry, the statements and information in the report are true, accurate, and complete.

2. Scheduled Maintenance/Malfunction Reporting

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. The malfunction, i.e., upset, of any emissions units or any associated air pollution control system(s) shall be reported to the appropriate Ohio EPA District Office or local air agency in accordance with paragraph (B) of OAC rule 3745-15-06. (The definition of an upset condition shall be the same as that used in OAC rule 3745-15-06(B)(1) for a malfunction.) The verbal and written reports submitted pursuant to OAC rule 3745-15-06 shall satisfy the requirements of OAC rule 3745-77-07(A)(3)(c)(iii) pertaining to the prompt reporting of deviations caused by malfunctions or upsets.

Except as provided in that rule, any scheduled maintenance or malfunction necessitating the shutdown or bypassing of any air pollution control system(s) shall be accompanied by the shutdown of the emission unit(s) that is (are) served by such control system(s).

3. Risk Management Plans

If the permittee is required to develop and register a risk management plan pursuant to section 112(r) of the Clean Air Act, as amended, 42 U.S.C. 7401 et seq. ("Act"), the permittee shall comply with the requirement to register such a plan.

Rumpke Sanitary Landfill, Inc.

PTI Application: 14-4771

August 11, 1999

Facility ID: 1431092049

4. Title IV Provisions

If the permittee is subject to the requirements of 40 CFR Part 72 concerning acid rain, the permittee shall ensure that any affected emissions unit complies with those requirements. Emissions exceeding any allowances that are lawfully held under Title IV of the Act, or any regulations adopted thereunder, are prohibited.

5. Severability Clause

A determination that any term or condition of this permit is invalid shall not invalidate the force or effect of any other term or condition thereof, except to the extent that any other term or condition depends in whole or in part for its operation or implementation upon the term or condition declared invalid.

6. General Requirements

- a. The permittee must comply with all terms and conditions of this permit. Any noncompliance with the federally enforceable terms and conditions of this permit constitutes a violation of the Act, and is grounds for enforcement action or for permit revocation, revocation and reissuance, or modification, or for denial of a permit renewal application.
- b. It shall not be a defense for the permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the federally enforceable terms and conditions of this permit.
- c. This permit may be modified, reopened, revoked, or revoked and reissued, for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or revocation, or of a notification of planned changes or anticipated noncompliance does not stay any term and condition of this permit.
- d. This permit does not convey any property rights of any sort, or any exclusive privilege.
- e. The permittee shall furnish to the Director of the Ohio EPA, or an authorized representative of the Director, upon receipt of a written request and within a reasonable time, any information that may be requested to determine whether cause exists for modifying, reopening or revoking this permit or to determine compliance with this permit. Upon request, the permittee shall also furnish to the Director or an authorized representative of the Director, copies of records required to be kept by this permit. For information claimed to be confidential in the submittal to the Director, if the Administrator of the U.S. EPA requests such information, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality.

Rumpke Sanitary Landfill, Inc.

PTI Application: **14-4771**

August 11, 1999

Facility ID: **1431092049**

7. Fees

The permittee shall pay fees to the Director of the Ohio EPA in accordance with ORC section 3745.11 and OAC Chapter 3745-78. The permittee shall pay all applicable Permit To Install fees within 30 days after the issuance of this Permit To Install.

8. Federal and State Enforceability

Only those terms and conditions designated in this permit as federally enforceable, that are required under the Act, or any of its applicable requirements, including relevant provisions designed to limit the potential to emit of a source, are enforceable by the Administrator of the U.S. EPA, the State, and citizens under the Act. All other terms and conditions of this permit shall not be federally enforceable and shall be enforceable under State law only.

9. Compliance Requirements

- a. Any document (including reports) required to be submitted and required by a federally applicable requirement in this permit shall include a certification by a responsible official that, based on information and belief formed after reasonable inquiry, the statements in the document are true, accurate, and complete.
- b. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the Director of the Ohio EPA or an authorized representative of the Director to:
 - i. At reasonable times, enter upon the permittee's premises where a source is located or the emissions-related activity is conducted, or where records must be kept under the conditions of this permit.
 - ii. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit, subject to the protection from disclosure to the public of confidential information consistent with paragraph (E) of OAC rule 3745-77-03.
 - iii. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit.
 - iv. As authorized by the Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit and applicable requirements.

Rumpke Sanitary Landfill, Inc.

PTI Application: **14-4771**

August 11, 1999

Facility ID: **1431092049**

- c. The permittee shall submit progress reports to the appropriate Ohio EPA District Office or local air agency concerning any schedule of compliance for meeting an applicable requirement. Progress reports shall be submitted semiannually, or more frequently if specified in the applicable requirement or by the Director of the Ohio EPA. Progress reports shall contain the following:
 - i. Dates for achieving the activities, milestones, or compliance required in any schedule of compliance, and dates when such activities, milestones, or compliance were achieved.
 - ii. An explanation of why any dates in any schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.
- d. Compliance certifications concerning the terms and conditions contained in this permit that are federally enforceable emission limitations, standards, or work practices, shall be submitted to the appropriate Ohio EPA District Office or local air agency in the following manner and with the following content:
 - i. Compliance certifications shall be submitted on an annual basis unless the applicable requirement specifies more frequent submissions.
 - ii. Compliance certifications shall include the following:
 - (a) An identification of each term or condition of this permit that is the basis of the certification.
 - (b) The permittee's current compliance status.
 - (c) Whether compliance was continuous or intermittent.
 - (d) The method(s) used for determining the compliance status of the source currently and over the required reporting period.
 - (e) Such other facts as the Director of the Ohio EPA may require in the permit to determine the compliance status of the source.
 - iii. Compliance certifications shall contain such additional requirements as may be specified pursuant to sections 114(a)(3) and 504(b) of the Act.

10. Emergencies

The permittee shall have an affirmative defense of emergency to an action brought for noncompliance with technology-based emission limitations if the conditions of OAC rule 3745-77-07(G)(3) are met. This emergency defense provision is in addition to any emergency or

8

Rumpke Sanitary Landfill, Inc.

PTI Application: **14-4771**

August 11, 1999

Facility ID: **1431092049**

upset provision contained in any applicable requirement.

Rumpke Sanitary Landfill, Inc.

PTI Application: **14-4771**

August 11, 1999

Facility ID: **1431092049**

11. Title V Permit To Operate Application

Pursuant to OAC Chapter 3745-77, the permittee shall submit a complete Title V permit application or a complete Title V permit modification application within twelve (12) months after commencing operation of the emissions units covered by this permit.

Rumpke Sanitary Landfill, Inc.

PTI Application: 14-4771

August 11, 1999

Facility ID: 1431092049

B. State Only Enforceable Permit To Install General Terms and Conditions

1. Compliance Requirements

The emissions unit(s) identified in this Permit to Install shall remain in full compliance with all applicable State laws and regulations and the terms and conditions of this permit.

2. Reporting Requirements Related to Monitoring and Recordkeeping Requirements

The permittee shall submit required reports in the following manner:

- a. Reports of any required monitoring and/or recordkeeping information shall be submitted to the appropriate Ohio EPA District Office or local air agency.
- b. Except as otherwise may be provided in the terms and conditions for a specific emissions unit, quarterly written reports of (a) any deviations (excursions) from emission limitations, operational restrictions, and control device operating parameter limitations that have been detected by the testing, monitoring, and recordkeeping requirements specified in this permit, (b) the probable cause of such deviations, and (c) any corrective actions or preventive measures which have been or will be taken, shall be submitted to the appropriate Ohio EPA District Office or local air agency. If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.)

3. Records Retention Requirements

Each record of any monitoring data, testing data, and support information required pursuant to this permit shall be retained for a period of five years from the date the record was created. Support information shall include, but not be limited to, all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. Such records may be maintained in computerized form.

4. Inspections and Information Requests

The Director of the Ohio EPA, or an authorized representative of the Director, may, subject to the safety requirements of the permittee and without undue delay, enter upon the premises of this source at any reasonable time for purposes of making inspections, conducting tests, examining

Rumpke Sanitary Landfill, Inc.

PTI Application: **14-4771**

August 11, 1999

Facility ID: **1431092049**

records or reports pertaining to any emission of air contaminants, and determining compliance with any applicable State air pollution laws and regulations and the terms and conditions of this permit. The permittee shall furnish to the Director of the Ohio EPA, or an authorized representative of the Director, upon receipt of a written request and within a reasonable time, any information that may be requested to determine whether cause exists for modifying, reopening or revoking this permit or to determine compliance with this permit. Upon verbal or written request, the permittee shall also furnish to the Director of the Ohio EPA, or an authorized representative of the Director, copies of records required to be kept by this permit.

5. Scheduled Maintenance/Malfunction Reporting

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. The malfunction of any emissions units or any associated air pollution control system(s) shall be reported to the appropriate Ohio EPA District Office or local air agency in accordance with paragraph (B) of OAC rule 3745-15-06. Except as provided in that rule, any scheduled maintenance or malfunction necessitating the shutdown or bypassing of any air pollution control system(s) shall be accompanied by the shutdown of the emissions unit(s) that is (are) served by such control system(s).

6. Permit Transfers

Any transferee of this permit shall assume the responsibilities of the prior permit holder. The appropriate Ohio EPA District Office or local air agency must be notified in writing of any transfer of this permit.

7. Air Pollution Nuisance

The air contaminants emitted by the emissions units covered by this permit shall not cause a public nuisance, in violation of OAC rule 3745-15-07.

8. Termination of Permit To Install

This permit to install shall terminate within eighteen months of the effective date of the permit to install if the owner or operator has not undertaken a continuing program of installation or modification or has not entered into a binding contractual obligation to undertake and complete within a reasonable time a continuing program of installation or modification. 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.

9. Construction of New Sources(s)

The proposed emissions unit(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

Rumpke Sanitary Landfill, Inc.

PTI Application: **14-4771**

August 11, 1999

Facility ID: **1431092049**

lead to such sanctions and penalties as provided under Ohio law. Approval of these plans does not constitute an assurance

Rumpke Sanitary Landfill, Inc.

PTI Application: **14-4771**

August 11, 1999

Facility ID: **1431092049**

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 emissions unit(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 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 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 prove to be inadequate or cannot meet applicable standards.

10. 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.

11. Applicability

This Permit to Install is applicable only to the emissions unit(s) identified in the Permit To Install. Separate application must be made to the Director for the installation or modification of any other emissions unit(s).

12. 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.

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

Rumpke Sanitary Landfill, Inc.

PTI Application: **14-4771**

August 11, 1999

Facility ID: **1431092049**

Rumpke Sanitary Landfill, Inc.

Facility ID: **1431092049**

PTI Application: **14-4771**

August 11, 1999

14. Additional Reporting Requirements When There Are No Deviations of Federally Enforceable Emission Limitations, Operational Restrictions, or Control Device Operating Parameter Limitations (See Section A of This Permit)

If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters.

C. Permit To Install Summary of Allowable Emissions

The following information summarizes the total allowable emissions, by pollutant, based on the individual allowable emissions of each air contaminant source identified in this permit.

**SUMMARY (for informational purposes only)
TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS**

<u>Pollutant</u>	<u>Tons Per Year</u>
PM	80.81
PM ₁₀	41.03
SO ₂	1.20
NO _x	18.12
CO	3.90
VOC	1.47

Rumpke Sanitary Landfill, Inc.

Facility ID: **1431092049**

PTI Application: **14-4771**

August 11, 1999

Part II - FACILITY SPECIFIC TERMS AND CONDITIONS

A. State and Federally Enforceable Permit To Install Facility Specific Terms and Conditions

None.

B. State Only Enforceable Permit To Install Facility Specific Terms and Conditions

None.

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 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>
150 Ton/hour soil shredding operation including material handling, screening and storage	40 CFR Part 60, Subpart OOO	See Term A.2.2.a and A.2.2.b

2. Additional Terms and Conditions

- 2.a Fugitive particulate emissions from any transfer point on belt conveyors and from any other emissions point (excluding crushers and truck dumping) where process materials are not saturated, shall not exceed 10 percent opacity, except as provided by rule 40 CFR 60.672.
- 2.b Fugitive particulate emissions from any crusher shall not exceed 15 percent opacity.
- 2.c The application and enforcement of the provisions of the New Source Performance Standards (NSPS), as promulgated by the United States Environmental Protection Agency, 40 CFR Part 60, are delegated to the Ohio Environmental Protection Agency. The requirements of 40 CFR Part 60 are also federally enforceable.

II. Operational Restrictions

None.

III. Monitoring and/or Recordkeeping Requirements

18

Rump

PTI A₁

August 11, 1999

Emissions Unit ID: **F007**

None.

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PTI A₁
August 11, 1999

Emissions Unit ID: **F007**

IV. Reporting Requirements

1. 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:

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

and

Department of Environmental Services
250 William Howard Taft Road
Cincinnati, Ohio 45219

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 within sixty days after the issuance of this permit.
 - b. The emission testing shall be conducted to demonstrate compliance with the 40 CFR Part 60 Subpart OOO.
 - c. Compliance with the opacity limits of this permit shall be determined by using US EPA Reference Test Method 9. The minimum distance between the observer and the emission source shall be 4.57 meters (15 feet).

Rumpke Sanitary Landfill, Inc.

PTI Application: **14-1771**

August

Facility ID: **1431092049**

Emissions Unit ID: **F007**

- d. The test(s) 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;

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).

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.

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).

VI. Miscellaneous Requirements

None.

B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 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>
150 Ton/hour soil shredding operation including material handling, screening and storage	OAC rule 3745-31-05	4.08 lbs. PM/hour, excluding storage 2.04 lbs. PM10/hour, excluding storage 38.53 TPY PM 19.26 TPY PM10 See term B.II.1 - B.II.4

2. **Additional Terms and Conditions**

- 2.a Compliance with OAC rule 3745-31-05 shall be demonstrated by maintaining the material in moist condition, reduced drop height of stackers and front end loaders, throughput limitation and visible emissions limitation.
- 2.b The hourly emission limitations outlined above are based upon the emissions unit's potential to emit. Therefore, no hourly records are required to demonstrate compliance with these limits

II. Operational Restrictions

1. Material processed through emissions unit F007 shall contain sufficient moisture to minimize or eliminate visible particulate emissions of fugitive dust at all times when emissions unit F007 is in operation.

Rumpke Sanitary Landfill, Inc.

PTI Application: 14-4771

August

Facility ID: 1431092049

Emissions Unit ID: **F007**

2. During the unloading onto or removal from the material storage piles, the drop height of the front end loader and stackers shall be minimized in order to minimize or eliminate visible particulate emissions of fugitive dust.
3. There shall be no visible particulate emissions of fugitive dust from any material storage pile at emissions unit F007, except for one minute during any sixty minute observation period.
4. The maximum annual amount of material processed in this emissions unit shall not exceed 500,000 tons/yr.

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain monthly records of the material processed in this emissions unit.

IV. Reporting Requirements

1. The permittee shall submit annual reports that identify any exceedances of the annual material processing limitation, as well as the corrective actions that were taken to achieve compliance. These reports shall be submitted by January 31 of each year.
2. The permittee shall submit annual reports which specify the total PM and PM10 emissions from this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year.

V. Testing Requirements

1. Compliance with the emission limitation(s) in Section B.I. of these terms and conditions shall be determined in accordance with the following method(s):

Emission Limitation:

38.53 tons particulate emissions/yr

19.26 tons PM10/yr

Applicable Compliance Method:

Compliance shall be determined by the emission factors, control efficiencies and the operational parameters as submitted in PTI application 14-4771 dated 06/11/99.

2. Compliance with the production limitations in term B.II.4 shall be demonstrated by the recordkeeping in term B.III.1.
3. Compliance with the visible emission limitation in term B.II.3 shall be determined in accordance with USEPA reference test method 22 (40 CFR Part 60, Appendix A).

Rumpke Sanitary Landfill, Inc.

PTI Application: **14-4771**

August

Facility ID: **1431092049**

Emissions Unit ID: **F007**

VI. Miscellaneous Requirements

None.

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S) [Continued]**A. State and Federally Enforceable Section****I. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operations(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 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>
250 Ton/hour soil shredding operation including material handling, screening and storage	40 CFR Part 60, Subpart OOO	See Term A.2.2.a and A.2.2.b

2. Additional Terms and Conditions

- 2.a Fugitive particulate emissions from any transfer point on belt conveyors and from any other emissions point (excluding crushers and truck dumping) where process materials are not saturated, shall not exceed 10 percent opacity, except as provided by rule 40 CFR 60.672.
- 2.b Fugitive particulate emissions from any crusher shall not exceed 15 percent opacity.
- 2.c The application and enforcement of the provisions of the New Source Performance Standards (NSPS), as promulgated by the United States Environmental Protection Agency, 40 CFR Part 60, are delegated to the Ohio Environmental Protection Agency. The requirements of 40 CFR Part 60 are also federally enforceable.

II. Operational Restrictions

None.

III. Monitoring and/or Recordkeeping Requirements

None.

August 11, 1999

IV. Reporting Requirements

1. 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:

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

and

Department of Environmental Services
250 William Howard Taft Road
Cincinnati, Ohio 45219

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 within sixty days after the issuance of this permit.
 - b. The emission testing shall be conducted to demonstrate compliance with the 40 CFR Part 60 Subpart OOO.
 - c. Compliance with the opacity limits of this permit shall be determined by using US EPA Reference Test Method 9. The minimum distance between the observer and the emission source shall be 4.57 meters (15 feet).

Emissions Unit ID: **F008**

- d. The test(s) 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;

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).

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.

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).

VI. Miscellaneous Requirements

None.

August 11, 1999

B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 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>
250 Ton/hour soil shredding operation including material handling, screening and storage	OAC rule 3745-31-05	6.80 lbs. PM/hour, excluding storage 3.40 lbs. PM10/hour, excluding storage 41.02 TPY PM 20.51 TPY PM10 See term B.II.1 - B.II.4

2. Additional Terms and Conditions

- 2.a** Compliance with OAC rule 3745-31-05 shall be demonstrated by maintaining the material in moist condition, reduced drop height of stackers and front end loaders, throughput limitation and visible emissions limitation.
- 2.b** The hourly emission limitations outlined above are based upon the emissions unit's potential to emit. Therefore, no hourly records are required to demonstrate compliance with these limits

II. Operational Restrictions

1. Material processed through emissions unit F008 shall contain sufficient moisture to minimize or eliminate visible particulate emissions of fugitive dust at all times when emissions unit F008 is in

August 11, 1999

operation.

2. During the unloading onto or removal from the material storage piles, the drop height of the front end loader and stackers shall be minimized in order to minimize or eliminate visible particulate emissions of fugitive dust.
3. There shall be no visible particulate emissions of fugitive dust from any material storage pile at emissions unit F008, except for one minute during any sixty minute observation period.
4. The maximum annual amount of material processed in this emissions unit shall not exceed 500,000 tons/yr.

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain monthly records of the material processed in this emissions unit.

IV. Reporting Requirements

1. The permittee shall submit annual reports that identify any exceedances of the annual material processing limitation, as well as the corrective actions that were taken to achieve compliance. These reports shall be submitted by January 31 of each year.
2. The permittee shall submit annual reports which specify the total PM and PM10 emissions from this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year.

V. Testing Requirements

1. Compliance with the emission limitation(s) in Section B.I. of these terms and conditions shall be determined in accordance with the following method(s):

Emission Limitation:

41.02 tons particulate emissions/yr
20.51 tons PM10/yr

Applicable Compliance Method:

Compliance shall be determined by the emission factors, control efficiencies and the operational parameters as submitted in PTI application 14-4771 dated 06/11/99.

Rumpke Sanitary Landfill, Inc.

DTI Application: 14-4771

Facility ID: 1431092049

Emissions Unit ID: F008

2. Compliance with the production limitations in term B.II.4 shall be demonstrated by the recordkeeping in term B.III.1.
3. Compliance with the visible emission limitation in term B.II.3 shall be determined in accordance with USEPA reference test method 22 (40 CFR Part 60, Appendix A).

VI. Miscellaneous Requirements

None.

August 11, 1999

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S) [Continued]**A. State and Federally Enforceable Section****I. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operations(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 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>
1.12 MMBtu/hr diesel engine	OAC rule 3745-17-07(A)(1)	visible particulate emissions from any stack shall not exceed twenty percent (20%) opacity, as a six minute average, except as specified by rule.
	OAC rule 3745-17-11(B)(5)	particulate emissions shall not exceed 0.310 lb/MMBtu of actual heat input
	OAC rule 3745-18-06(A)	exempt

2. Additional Terms and Conditions

None.

II. Operational Restrictions

None.

III. Monitoring and/or Recordkeeping Requirements

None.

IV. Reporting Requirements

August 11, 1999

None.

V. Testing Requirements

1. Compliance with the emission limitation(s) in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):

Emission Limitation:

20% opacity from stack

Applicable Compliance Method:

Compliance with OAC rule 3745-17-07(A)(1) shall be determined using the methods outlined in US EPA Reference Test Method 9 (40 CFR Part 60, Appendix A).

2. Emission Limitation:

0.310 lb particulate emissions/MMBtu actual heat input

Applicable Compliance Method:

Compliance shall be determined by using the particulate emission factor from USEPA reference document AP-42, Table 3.3-1, October, 1996 edition.

VI. Miscellaneous Requirements

None.

August 11, 1999

B. State Only Enforceable Section**I. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operations(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 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>
1.12 MMBtu/hr diesel engine	OAC rule 3745-31-05	0.35 lb PM/hr, 0.42 ton PM/yr; 0.35 lb PM-10/hr, 0.42 ton PM-10/yr; 0.32 lb SO ₂ /hr, 0.40 ton SO ₂ /yr; 4.94 lbs NO _x /hr, 6.04 tons NO _x /yr; 1.06 lbs CO/hr, 1.30 tons CO/yr; 0.40 lb VOC/hr, 0.49 ton VOC/yr.

2. Additional Terms and Conditions

- 2.a Compliance with OAC rule 3745-31-05 shall be demonstrated by the use of #2 fuel oil, the fuel oil usage limitation and compliance with specified emission limits.

II. Operational Restrictions

1. The maximum annual fuel oil usage for this emissions unit shall not exceed 20,000 gallons.

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain monthly records of the total quantity of oil combusted in this emissions unit.

IV. Reporting Requirements

1. The permittee shall submit annual reports that identify any exceedances of the annual fuel oil usage limitation, as well as the corrective actions that were taken to achieve compliance.

These reports shall be submitted by January 31 of each year.

August 11, 1999

V. Testing Requirements

1. Compliance with the emission limitation(s) in Section B.I. of these terms and conditions shall be determined in accordance with the following method(s):

Emission Limitation:

Emissions limits specified in Section B.I.1

Applicable Compliance Method:

Compliance shall be determined using emission factors from USEPA reference document AP-42, Table 3.3-1, October, 1996 edition. The sulfur emissions are based on using a sulfur content of 0.5%.

2. Compliance with the fuel oil usage limitations in term B.II.1 shall be demonstrated by the recordkeeping in term B.III.1.

VI. Miscellaneous Requirements

None.

August 11, 1999

Emissions Unit ID: **P007**

August 11, 1999

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S) [Continued]**A. State and Federally Enforceable Section****I. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operations(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 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>
1.12 MMBtu/hr diesel engine	OAC rule 3745-17-07(A)(1)	visible particulate emissions from any stack shall not exceed twenty percent (20%) opacity, as a six minute average, except as specified by rule.
	OAC rule 3745-17-11(B)(5)	particulate emissions shall not exceed 0.310 lb/MMBtu of actual heat input
	OAC rule 3745-18-06(A)	exempt

2. Additional Terms and Conditions

None.

II. Operational Restrictions

None.

III. Monitoring and/or Recordkeeping Requirements

None.

August 11, 1999

IV. Reporting Requirements

None.

V. Testing Requirements

1. Compliance with the emission limitation(s) in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):

Emission Limitation:

20% opacity from stack

Applicable Compliance Method:

Compliance with OAC rule 3745-17-07(A)(1) shall be determined using the methods outlined in US EPA Reference Test Method 9 (40 CFR Part 60, Appendix A).

2. Emission Limitation:

0.310 lb particulate emissions/MMBtu actual heat input

Applicable Compliance Method:

Compliance shall be determined by using the particulate emission factor from USEPA reference document AP-42, Table 3.3-1, October, 1996 edition.

VI. Miscellaneous Requirements

None.

August 11, 1999

B. State Only Enforceable Section**I. Applicable Emissions Limitations and/or Control Requirements**

- The specific operations(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 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>
1.12 MMBtu/hr diesel engine	OAC rule 3745-31-05	0.35 lb PM/hr, 0.42 ton PM/yr; 0.35 lb PM-10/hr, 0.42 ton PM-10/yr; 0.32 lb SO ₂ /hr, 0.40 ton SO ₂ /yr; 4.94 lbs NO _x /hr, 6.04 tons NO _x /yr; 1.06 lbs CO/hr, 1.30 tons CO/yr; 0.40 lb VOC/hr, 0.49 ton VOC/yr.

2. Additional Terms and Conditions

- Compliance with OAC rule 3745-31-05 shall be demonstrated by the use of #2 fuel oil, the fuel oil usage limitation and compliance with specified emission limits.

II. Operational Restrictions

- The maximum annual fuel oil usage for this emissions unit shall not exceed 20,000 gallons.

III. Monitoring and/or Recordkeeping Requirements

- The permittee shall maintain monthly records of the total quantity of oil combusted in this emissions unit.

IV. Reporting Requirements

1. The permittee shall submit annual reports that identify any exceedances of the #2 fuel oil usage limitation, as well as the corrective actions that were taken to achieve compliance.

These reports shall be submitted by January 31 of each year.

August 11, 1999

V. Testing Requirements

1. Compliance with the emission limitation(s) in Section B.I. of these terms and conditions shall be determined in accordance with the following method(s):

Emission Limitation:

Emissions limits specified in Section B.I.1

Applicable Compliance Method:

Compliance shall be determined using emission factors from USEPA reference document AP-42, Table 3.3-1, October, 1996 edition. The sulfur emissions are based on using a sulfur content of 0.5%.

2. Compliance with the fuel oil usage limitations in term B.II.1 shall be demonstrated by the recordkeeping in term B.III.1.

VI. Miscellaneous Requirements

None.

August 11, 1999

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S) [Continued]**A. State and Federally Enforceable Section****I. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operations(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 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>
1.12 MMBtu/hr diesel engine	OAC rule 3745-17-07(A)(1)	Visible particulate emissions from any stack shall not exceed twenty percent (20%) opacity, as a six minute average, except as specified by rule.
	OAC rule 3745-17-11(B)(5)	particulate emissions shall not exceed 0.310 lb/MMBtu of actual heat input
	OAC rule 3745-18-06(A)	exempt

2. Additional Terms and Conditions

None.

II. Operational Restrictions

None.

III. Monitoring and/or Recordkeeping Requirements

None.

August 11, 1999

IV. Reporting Requirements

None.

V. Testing Requirements

1. Compliance with the emission limitation(s) in Section A.I. of these terms and conditions shall be determined in accordance with the following method(s):

Emission Limitation:

20% opacity from stack

Applicable Compliance Method:

Compliance with OAC rule 3745-17-07(A)(1) shall be determined using the methods outlined in US EPA Reference Test Method 9 (40 CFR Part 60, Appendix A).

2. Emission Limitation:

0.310 lb particulate emissions/MMBtu actual heat input

Applicable Compliance Method:

Compliance shall be determined by using the particulate emission factor from USEPA reference document AP-42, Table 3.3-1, October, 1996 edition.

VI. Miscellaneous Requirements

None.

August 11, 1999

B. State Only Enforceable Section**I. Applicable Emissions Limitations and/or Control Requirements**

1. The specific operations(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 specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control</u>
1.12 MMBtu/hr diesel engine	OAC rule 3745-31-05	0.35 lb PM/hr, 0.42 ton PM/yr; 0.35 lb PM-10/hr, 0.42 ton PM-10/yr; 0.32 lb SO ₂ /hr, 0.40 ton SO ₂ /yr; 4.94 lbs NO _x /hr, 6.04 tons NO _x /yr; 1.06 lbs CO/hr, 1.30 tons CO/yr; 0.40 lb VOC/hr, 0.49 ton VOC/yr.

2. Additional Terms and Conditions

- 2.a Compliance with OAC rule 3745-31-05 shall be demonstrated by the use of #2 fuel oil, the fuel oil usage limitation and compliance with specified emission limits.

II. Operational Restrictions

1. The maximum annual fuel oil usage for this emissions unit shall not exceed 20,000 gallons.

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain monthly records of the total quantity of oil combusted in this emissions unit.

IV. Reporting Requirements

Rumpke Sanitary Landfill, Inc.

DTI Application: **14 4771**

Facility ID: **1431092049**

Emissions Unit ID: **P009**

1. The permittee shall submit annual reports that identify any exceedances of the annual fuel oil usage limitation, as well as the corrective actions that were taken to achieve compliance.

These reports shall be submitted by January 31 of each year.

August 11, 1999

V. Testing Requirements

1. Compliance with the emission limitation(s) in Section B.I. of these terms and conditions shall be determined in accordance with the following method(s):

Emission Limitation:

Emissions limits specified in Section B.I.1

Applicable Compliance Method:

Compliance shall be determined using emission factors from USEPA reference document AP-42, Table 3.3-1, October, 1996 edition. The sulfur emissions are based on using a sulfur content of 0.5%.

2. Compliance with the fuel oil usage limitations in term B.II.1 shall be demonstrated by the recordkeeping in term B.III.1.

VI. Miscellaneous Requirements

None.