



State of Ohio Environmental Protection Agency

O.E.P.A.
S.E.D.O.

STREET ADDRESS:

1800 WaterMark Drive
Columbus, OH 43215-1099

TELE: (614) 644-3020 FAX: (614) 644-2329

MAILING ADDRESS:

P.O. Box 1049
Columbus, OH 43216-1049

99 JUL 13 PM 12:57

Re: Permit to Install
Jackson County
Application No: 06-5712
NSPS
SYNTHETIC MINOR

CERTIFIED MAIL

July 8, 1999

RUMPKE WASTE, INC.
RONALD H. STRUBE
10795 HUGHES ROAD
CINCINNATI, OH 45251-4598

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 with the Environmental Review Appeals Commission within thirty (30) days after notice of the Director's 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. It is also requested by the Director that a copy of the appeal be served upon the Environmental Enforcement Section of the Office of the Attorney General. 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,

Thomas G. Rigo

Thomas G. Rigo, Manager
Field Operations & Permit Section
Division of Air Pollution Control

cc: Bruce Downard, Beech Hollow
Sanitary Landfill
Bonnie Huffman/Chris Walton,
Sands Hill Wastes Inc

cc: US EPA
SOUTHEAST DISTRICT OFFICE, DAPC
SEDO, DIV OF SOLID WASTE MGMT
George V. Monevich, Governor
Nancy P. Hollister, Lt. Governor
Donald R. Schregardus, Director

Page 2 of 26

Facility Name: **Rumpke Waste, Inc.**

Application Number: 06-5712

Date: July 8, 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.

Facility Name: Rumpke Waste, Inc.

Application Number: 06-5712

Date: July 8, 1999

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.

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.

Facility Name: **Rumpke Waste, Inc.**

Application Number: **06-5712**

Date: **July 8, 1999**

<u>Ohio EPA Source Number</u>	<u>Source Identification Number</u>	<u>BAT Determination</u>	<u>Applicable Federal & OAC Rules</u>	<u>Permit Allowable Mass Emissions and/or Control/Usage Requirements</u>
P001 Cont'd				(1.12 pound/hour OC's) (1.68 TPY OC's)
			3745-17-07 (A)	Visible particulate emissions shall not exceed 20 percent opacity, as a 6-minute average, except as provided by rule (See Additional Special Terms and Conditions)
F003	150 TPH soil (clay) Crusher (transfer points in the crushing process and the crushing compartment)	Use of water sprays and/or moisture content of material	3745-31-05 40 CFR 60.672 (NSPS-000)	Fugitive emissions shall not exceed 10 percent opacity Fugitive emissions shall not exceed 15 percent opacity (See Additional Special Terms and Conditions) Particulate emissions shall
			Transfer points in the crushing process	
			Crushing compartment	

Facility Name: Rumpke Waste, Inc.
 Application Number: 06-5712
 Date: July 8, 1999

SUMMARY
 TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS

<u>Pollutant</u>	<u>Tons/Year</u>
Particulate (TSP)	34.70
PM10 (P001 only)	1.44
NOx	20.54
S02	1.35
Organic Compounds	1.68
CO	4.43

CONSTRUCTION STATUS

The Ohio EPA, Southeast District Office shall be notified in writing as to (a) the construction starting date, (b) the construction completion date, and (c) the date the facilities were placed into operation for the following sources: P001 - 440 HP diesel engine for 150 TPH mobile soil crusher; F004 - crushed soil storage piles; and, F005 - crushed soil - miscellaneous material handling operations.

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>
F003	150 TPH mobile soil crusher	000

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:

Facility Name: **Rumpke Waste, Inc.**

Application Number: **06-5712**

Date: **July 8, 1999**

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, Southeast District Office, 2195 Front Street, Logan, OH 43138.**

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.

NOTICE OF INTENT TO RELOCATE

Pursuant to OAC Rule 3745-31-03(A)(1)(n), the owner or operator of the portable or mobile source identified within this Permit to Install may relocate within the state of Ohio without first obtaining a Permit to Install providing the following criteria are met:

- a. the source is equipped with the Best Available Control Technology for such source;
- b. the source is operating pursuant to a currently effective Permit to Operate;
- c. the applicant has provided proper notice of intent to relocate the source to the Director within a minimum of 30 days prior to the scheduled relocation; and

Facility Name: Rumpke Waste, Inc.

Application Number: 06-5712

Date: July 8, 1999

1-8	55000
1-9	60000
1-10	64000
1-11	66000
1-12	68000

After the first 12 calendar months of operation, compliance with the annual gallons fuel usage shall be based upon a rolling 12-month summation of the gallons of fuel used figures.

3. The permittee shall be required to burn only No. 2 diesel fuel containing less than, or equal to, 0.5 percent sulfur by weight and a minimum heat content of 137,000 BTU/gal.

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain the following information:
 - a. the permittee shall collect or require the oil supplier to collect a representative grab sample of oil that is received for burning in emissions unit P001, once each calendar quarter the source is operational; and,
 - b. annually, each oil supplier shall certify that all oil shipments are in compliance with the percent sulfur content and heat content (BTU/gallon) requirements in this permit.
2. The permittee shall maintain monthly records of the total monthly gallons and the rolling 12-month period of total gallons of fuel burned in this emission unit.

D. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which identify all exceedances of the rolling 12-month limitation and , for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative fuel usage levels.
2. The Permittee shall report the use of any diesel fuel containing more than 0.5 percent sulfur by weight or less than 137,000 BTU per gallon. This report shall indicate the cause of the excursion and the corrective action

Facility Name: Rumpke Waste, Inc.

Application Number: 06-5712

Date: July 8, 1999

Applicable Compliance Method:

Compliance shall be determined by multiplying the emission factor(s) contained in AP-42 Table 3.3-1 (10/96) by the average BTU/gallon fuel value for the reporting period, in turn multiplied by the amount of fuel (gallons) used during the period. No emission(s) testing is specifically required to demonstrate compliance with this emission limit but, may be requested pursuant to OAC 3745-15-04(A).

Emission Limitation:

Visible Particulate emissions shall not exceed 20 percent opacity, as a 6-minute average, except as provided by rule.

Applicable Compliance Method:

If required, compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1). No emission(s) testing is specifically required to demonstrate compliance with this emission limit but, may be requested pursuant to OAC 3745-15-04(A).

Emission Limitation:

Fuel requirements of 0.5 percent sulfur by weight and 137,000 BTU per gallon.

Applicable Compliance Method:

Compliance with the fuel requirements shall be determined by the records kept in accordance with the Monitoring and Recordkeeping Requirements contained in this permit.

F. Miscellaneous Requirements

1. Pursuant to OAC rule 3745-35-07(B)(2), Additional Special Terms and Conditions A-F of this permit to operate shall be federally enforceable. The applicant has requested that such restrictions, as specified in OAC rule 3745-35-07(C), be imposed in order to limit the potential to emit.

Facility Name: Rumpke Waste, Inc.

Application Number: 06-5712

Date: July 8, 1999

4. The permittee shall perform daily observations for any visible particulate emissions from the emission unit, other than water vapor. The presence or absence of any visible emissions shall be recorded in an operations log. When visible emissions are observed in excess of the allowable opacity rate(s), corrective actions shall be taken to correct the problem and these action(s) shall be recorded in the operations log.
5. The permittee shall record the total daily tons of material throughput.

D. Reporting Requirements

1. The permittee shall comply with the Reporting and Recordkeeping requirements contained in 40 CFR 60.676.
2. 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. each instance when the hourly operating rate was exceeded.

The deviation reports shall be submitted within 45 days from the end of the month in which the deviation occurred.

3. The permittee shall submit an annual exceedance report which identifies any exceedances of the above conditions, (Sections A, B, C) as well as the corrective actions that were taken to achieve compliance. These reports shall be submitted by January 31 of each year. If an exceedance did not occur during the reporting period, then a report stating that fact is required.

For each excursion event, the following information shall be provided:

- a. the date of the excursion;

Facility Name: Rumpke Waste, Inc.

Application Number: 06-5712

Date: July 8, 1999

**Additional Special Terms and Conditions for Crushed Soil (Clay)
Storage Piles - F004**

**A. Applicable Emission Limitations and/or Control Requirements
(also see Air Emissions Summary)**

1. The storage piles that are covered by this permit and subject to the requirements of OAC rule 3745-31-05 are listed below:

CRUSHED SOIL (clay) STORAGE PILES

2. The permittee shall employ best available control measures on all load-in and load-out operations associated with the storage piles 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 controlled moisture content, minimizing drop heights and avoiding operations during windy conditions to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
3. The above-mentioned control measure(s) shall be employed for each load-in and load-out operation of each storage pile if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measure(s) are necessary to ensure compliance with the above-mentioned applicable requirements. Any required implementation of the control measure(s) shall continue during any such operation until further observation confirms that use of the measure(s) is unnecessary.
4. The permittee shall employ best available control measures for wind erosion from the surfaces of all storage piles 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 each storage pile with water and/or 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.
5. The above-mentioned control measure(s) shall be employed for wind erosion from each pile if the permittee

Facility Name: Rumpke Waste, Inc.

Application Number: 06-5712

Date: July 8, 1999

storage pile identification minimum wind erosion inspection frequency

All Crushed Soil Storage Piles (F004) daily

4. No inspection shall be necessary for wind erosion from the surface of a storage pile when the pile is covered with snow and/or ice and for any storage pile 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.
5. The purpose of the inspections is to determine the need for implementing the control measures specified in this permit for load-in and load-out of a storage pile, and wind erosion from the surface of a storage pile. The inspections shall be performed during representative, normal storage pile operating conditions.
6. The permittee may, upon receipt of written approval from the Ohio EPA, Southeast District Office, 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.
7. 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, for wind erosion from pile surfaces, the total number

Facility Name: **Rumpke Waste, Inc.**

Application Number: **06-5712**

Date: **July 8, 1999**

The permittee shall submit written reports of the results of all performance tests conducted to demonstrate compliance with opacity observations made using Method 9.

Emission Limitation :

27.41 tons per year of Particulate emissions

Applicable Compliance Method:

The ton per year limit was established based upon emission calculations using AP-42 (10/96) emission factors and shall be calculated using AP-42 emission factors or Ohio EPA RACM emissions factors for wind erosion and the appropriate operating information from the Monitoring and Recordkeeping Requirements contained in this permit.

F. Miscellaneous Requirements

None.

Facility Name: Rumpke Waste, Inc.

Application Number: 06-5712

Date: July 8, 1999

4. Implementation of the above-mentioned control measure(s) in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the requirements of OAC rule 3745-31-05.

B. Operational Restrictions

None.

C. Monitoring and/or Recordkeeping Requirements

1. Except as otherwise provided in this section, for material handling operations that are not adequately enclosed, the permittee shall perform inspections of such operations in accordance with the following minimum frequencies:

<u>material handling operation(s)</u>	<u>minimum inspection frequency</u>
Crushed Soil- Misc. Material Handling (F005)	daily

2. The above-mentioned inspections shall be performed during representative, normal operating conditions.
3. The permittee may, upon receipt of written approval from the Ohio EPA, Southeast District Office, 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.
4. The permittee shall maintain records of the following information:
 - a. the date and reason any required inspection was not performed;
 - b. the date of each inspection where it was determined by the permittee that it was necessary to implement the control measure(s);
 - c. the dates the control measure(s) was (were) implemented; and,
 - d. on a calendar quarter basis, the total number of days the control measure(s) was (were) implemented.

Facility Name: Rumpke Waste, Inc.

Application Number: 06-5712

Date: July 8, 1999

Applicable Compliance Method:

The ton per year limit was established based upon emission calculations using AP-42 (10/96) emission factors and shall be calculated using AP-42 emission factors or Ohio EPA RACM emission factors and the appropriate operating information from the Monitoring and Recordkeeping Requirements contained in this permit.

F. Miscellaneous Requirements

None.