

Street Address:

122 S. Front Street



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

Mailing Address:
Lazarus Gov. Center
P.O. Box 1049

State of Ohio Environmental Protection Agency

**RE: PERMIT TO INSTALL FINAL
MONTGOMERY COUNTY
Application No: 08-3796**

CERTIFIED MAIL

DATE: July 21, 1999

Stony Hollow Recycle & Disposal Facility
Greg Meyer
PO Box 460, WC Branch
Dayton, OH 45449

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,

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

cc: USEPA Regional Air Pollution Control Agency



STATE OF OHIO ENVIRONMENTAL PROTECTION AGENCY
FINAL PERMIT TO INSTALL 08-3796

Per
Title

Application Number: 08-3796
APS Premise Number: 0857043008
Permit Fee: **\$400**
Name of Facility: Stony Hollow Recycle & Disposal Facility
Person to Contact: Greg Meyer
Address: PO Box 460, WC Branch
Dayton, OH 45449

Location of proposed air contaminant source(s) [emissions unit(s)]:
2460 S Gettysburg Avenue
Dayton, OHIO

Description of proposed emissions unit(s):
SOLIDIFICATION PROCESS WITH BASIN; STORAGE PILES FOR SOLIDIFICATION.

Date of Issuance: **July 21, 1999**
Effective Date: **July 21, 1999**

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

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

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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.

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.

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

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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.

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- 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.
- 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.

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- iii. Compliance certifications shall contain such additional requirements as may be specified pursuant to sections 114(a)(3) and 504(b) of the Act.

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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 upset provision contained in any applicable requirement.

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.

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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

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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 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

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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 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 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

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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.

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>
Particulate	14.7
VOC	3.2

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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>
Solidification process with basin (surface area = 37.16 meters squared)	OAC rule 3745-17-07(B)	Visible emissions of fugitive dust shall not exceed 20% opacity, as a 3-minute average.
	OAC rule 3745-17-08(B)	Application of reasonably available control measures (RACM) to minimize or eliminate visible emissions of fugitive dust sufficient to comply with the VE requirements.

2. Additional Terms and Conditions

- 2.a. None.

II. Operational Restrictions

None.

III. Monitoring and/or Recordkeeping Requirements

None.

IV. Reporting Requirements

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None.

V. Testing Requirements

Compliance with the emissions limitations of these terms and conditions shall be determined in accordance with the following methods:

Emission Limitation

Visible emissions shall not exceed 20% opacity as a 3-minute average.

Applicable Compliance Method

Compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(3) using methods and procedures specified in USEPA Reference Method 9.

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>
Solidification process with basin (surface area = 37.16 meters squared)	OAC rule 3745-31-05	11.3 lbs/hr, 14.63 TPY Particulates; and 3.2 TPY VOC Visible emissions of fugitive dust shall not exceed 10% opacity, as a 3-minute average Minimize drop heights. Minimize the load-in and load-out rates. Good operating practices to minimize or eliminate visible emissions.

2. Additional Terms and Conditions

- 2.a. The permittee shall construct and maintain a 3-sided wind screen. The wind screen shall be constructed in accordance with the design criteria described in the "Control of Air Emissions from Superfund Sites", USEPA Office of Research and Development, EPA/625/R-92/012. The design parameters shall include, but not be limited to, the parameters listed in the following table:

Parameter	Design Criteria
Porosity	50% porous
Minimum Height	One foot above highest drop height (i.e. for a 9' drop height, fence needs to be 10')
Minimum Length	Five times the expected solidification basin diameter
Location	Wind screens shall be of equal length on 3-sides and perpendicular to the predominant wind direction (i.e. wind screens shall be perpendicular to wind directions from the north, west and south). In addition, wind screen sides shall be attached.
Maximum Distance from solidification basin to screen	Two times the maximum pile height (i.e. for a maximum 9' pile, pile location shall not exceed 18' from screen)

- b. The permittee shall locate this emissions unit within the confines of the 3-sided wind screen.

II. Operational Restrictions

1. The allowable VOC emission rate for this emissions unit was established through the USEPA Chemdat8 Disposal Impoundment Model, EPA-453/C-94-080B, using the proposed dimensions of the solidification basin with a surface area of 37.16 meters squared and a depth of 2.6 meters. Therefore, the dimensions of the solidification basin must not increase without notification to the Regional Air Pollution Control Agency.
2. The maximum hours of operation for this emissions unit shall not exceed 2,600 hours.
3. The permittee shall not accept liquid waste for solidifying and disposing with a VOC content exceeding 3% by volume.
4. Liquid waste sampling/analytical requirements:
 - a. Before accepting any liquid waste at this facility, the permittee or generator shall sample and analyze each liquid waste stream for total VOC content by volume at least once. The analytical method to be employed shall be USEPA Reference Method 8015, or other analytical method pre-approved by the Regional Air Pollution Control Agency. For any liquid waste stream exceeding a VOC content of 2.7% by volume, the permittee or generator shall sample and analyze each

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shipment prior to accepting that liquid waste stream. If after three successive analyses demonstrating that the liquid waste stream contains a VOC content less than 2.7% by volume, the permittee may cease analyzing each shipment of the affected waste stream and proceed with term 4.b.

- b. The permittee shall sample each incoming shipment of liquid waste. The sampling frequency shall be one properly labeled 500 ml sample for each container delivery. The sample shall be taken and retained for at least 14 days from the date sampled. In addition, the samples shall be maintained in accordance with USEPA Reference Method 8015.
- c. The Regional Air Pollution Control Agency may require and/or conduct, detailed chemical analyses through an independent laboratory of any liquid waste received at the facility, of any sample retained, as required above, at the permittee's expense.

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain the following records for liquid waste received:
 - a. date of shipment;
 - b. the name and address of generator;
 - c. a copy of the original and any subsequent VOC content analyses for the waste stream;
 - d. the quantity of liquid waste received;
 - e. the generator's waste profile sheet;
 - f. type of container used to ship liquid waste; and,
 - g. type of mixing agent used to solidify liquid waste.
2. The permittee shall maintain monthly records of the hours of operation for this emissions unit.

IV. Reporting Requirements

The permittee shall submit annual reports which identify any exceedances of the annual hours of operation limitation (2,600 hours) for the solidification basin, as well as the corrective actions that were taken to achieve compliance. These reports shall be submitted by January 31 of each year.

V. Testing Requirements

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Emissions Unit ID: **P003**

Compliance with the emissions limitations of these terms and conditions shall be determined in accordance with the following methods:

1. Emission Limitation

11.3 pounds Particulate per hour

Applicable Compliance Method

Compliance shall be determined by multiplying the maximum hourly solidification material feed rate, 37.5 tons, by the emission factor, 1.5 pounds particulate per ton of material (AP-42, 5th Edition, Table 11.17-4). Then multiply the result, 56.25 pounds Particulate, by control efficiency reduction factor, (1 - 0.8).

2. Emission Limitation

14.63 tons Particulate per year

Applicable Compliance Method

Compliance shall be determined by multiplying the maximum hourly solidification material feed rate, 37.5 tons, by the emission factor, 1.5 pounds Particulate per ton of material (AP-42, 5th Edition, Table 11.17-4). Then multiply the result, 56.25 pounds particulate, by the control efficiency reduction factor, (1 - 0.8). Next, multiply the result, 11.25 pounds per hour, by the maximum hours per year, 2,600, and convert pounds to tons by dividing the result by 2000 lbs/ton.

3. Emission Limitation

Visible emissions shall not exceed 10% opacity, as a 3-minute average.

Applicable Compliance Method

Compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(3) using methods and procedures specified in USEPA Reference Method 9.

4. Emission Limitation

3.2 tons VOC per year

Applicable Compliance Method

Compliance shall be determined by employing the USEPA Chemdat8 Disposal Impoundment Model (EPA-453/C-94-080B, November 1994).

VI. Miscellaneous Requirements

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Emissions Unit ID: **P003**

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>
Storage piles for solidification process	OAC rule 3745-17-07(B)(6) OAC rule 3745017-08(B)	There shall be no visible emissions of fugitive dust except for a period of time not to exceed 13 minutes during any 60-minute observation period. Application of reasonably available control measures (RACM) to minimize or eliminate visible emissions of fugitive dust sufficient to comply with the VE requirements.

2. Additional Terms and Conditions

- 2.a. None.

II. Operational Restrictions

None.

III. Monitoring and/or Recordkeeping Requirements

None.

IV. Reporting Requirements

None.

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V. Testing Requirements

Compliance with the emissions limitations of these terms and conditions shall be determined in accordance with the following methods:

Emission Limitation

There shall be no visible emissions of fugitive dust except for a period of time not to exceed 13 minutes during any 60-minute observation period.

Applicable Compliance Method

Compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(4) using methods and procedures specified in USEPA Reference Method 22.

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>
Storage piles for solidification process	OAC rule 3745-31-05	0.07 TPY Particulate There shall be no visible particulate emissions except for a period of time not to exceed 1 minute during any 60-minute observation period.

2. Additional Terms and Conditions

- 2.a. The permittee shall construct and maintain a 3-sided wind screen. The wind screen shall be constructed in accordance with the design criteria described in the "Control of Air Emissions from Superfund Sites", USEPA Office of Research and Development, EPA/625/R-92/012. The design parameters shall include, but not be limited to, the parameters listed in the following table:

Parameter	Design Criteria
Porosity	50% porous
Minimum Height	One foot above highest pile height (i.e. for a 9' pile, fence needs to be 10')
Minimum Length	Five times the expected pile diameter

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Location	Wind screens shall be of equal length on 3-sides and perpendicular to the predominant wind direction (i.e. wind screens shall be perpendicular to wind directions from the north, west and south). In addition, wind screens shall be attached.
Maximum Distance from material storage pile to screen	Two times the maximum pile height (i.e. for a maximum 9' pile, pile location shall not exceed 18' from screen)

- b. The permittee shall locate this emissions unit within the confines of the 3-sided wind screened.

II. Operational Restrictions

The material storage piles shall be covered at all times with a geosynthetic tarpaulin except for periods of loading and unloading.

III. Monitoring and/or Recordkeeping Requirements

None.

IV. Reporting Requirements

None.

V. Testing Requirements

Compliance with the emissions limitations of these terms and conditions shall be determined in accordance with the following methods:

1. Emission Limitation
0.07 ton Particulate per year

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Applicable Compliance Method

Compliance shall be determined by multiplying the area of the storage piles, 0.1 acre, by the emission factor, 13.2 lbs Particulate per acre per day (AP-42, 4th Edition, Section 18.19). Then divide the result, 1.32 lbs/day, by 24 hours per day. Next, multiply the hourly emission rate, 0.055 pound, by the control efficiency reduction factor, (1 - 0.7). Finally, multiply the result, 0.0165 pound, by the maximum hours of operation, 8760, and convert pounds to tons by dividing the result by 2000 lbs/ton.

2. Emission Limitation

There shall be no visible emissions of particulate matter except for a period of time not to exceed 1 minute during any 60-minute observation period.

Applicable Compliance Method

Compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(4) using methods and procedures specified in USEPA Reference Method 22.

VI. Miscellaneous Requirements

None.