



State of Ohio Environmental Protection Agency

RECEIVED

MAY 09 2005

CANTON CITY HEALTH DEPT.  
AIR POLLUTION DIVISION Mailing Address:

Street Address:

Lazarus Gov. Center  
122 S. Front Street  
Columbus, OH 43215

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

Lazarus Gov. Center  
P.O. Box 1049  
Columbus, OH 43216-1049

RE: FINAL PERMIT TO INSTALL MODIFICATION

CERTIFIED MAIL

STARK COUNTY  
Application No: 15-01444  
Fac ID: 1576001579

TOXIC REVIEW
PSD
SYNTHETIC MINOR
CEMS
MACT
NSPS
NESHAPS
NETTING
MAJOR NON-ATTAINMENT
MODELING SUBMITTED
GASOLINE DISPENSING FACILITY

DATE: 5/5/2005

Countywide RDF  
Tim Vandersall  
3619 Gracemont Avenue  
East Sparta, OH 44626

Enclosed Please find a modification to the Ohio EPA Permit To Install referenced above which will modify the terms and conditions.

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  
309 South Fourth Street, Room 222  
Columbus, Ohio 43215

Sincerely,

Michael W. Ahern, Manager  
Permit Issuance and Data Management Section  
Division of Air Pollution Control

cc: USEPA

Canton LAA

FINAL ADMINISTRATIVE MODIFICATION OF PERMIT TO INSTALL 15-01444

Application Number: 15-01444  
Facility ID: 1576001579  
Permit Fee: \$0  
Name of Facility: Countywide RDF  
Person to Contact: Tim Vandersall  
Address: 3619 Gracemont Avenue  
East Sparta, OH 44626

Location of proposed air contaminant source(s) [emissions unit(s)]:  
**3619 Gracemont Avenue**  
**East Sparta, Ohio**

Description of proposed emissions unit(s):  
**Administrative modification for F004, F005, and F006 for incorporating AP-42 emission calculation methodologies.**

The above named entity is hereby granted a modification to the permit to install described above pursuant to Chapter 3745-31 of the Ohio Administrative Code. Issuance of this modification 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 source(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 included in the application, the above described source(s) of pollutants will be granted the necessary operating permits.

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 Record keeping 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 of federally enforceable 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 record keeping requirements specified in this permit, (ii) the probable cause of such deviations, and (iii) any corrective actions or preventive measures taken, shall be made to the appropriate Ohio EPA District Office or local air agency. 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. See B.9 below if no deviations occurred during the quarter.

- iii. Written reports, which identify any deviations from the federally enforceable monitoring, record keeping, 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. 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 shall be submitted pursuant to 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 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 disclosure to the public of confidential information consistent with ORC section 3704.08.
  - 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.
- 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.

## 10. Permit To Operate Application

- a. If the permittee is required to apply for a Title V permit 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. However, if the proposed new or modified source(s) would be prohibited by the terms and conditions of an existing Title V permit, a Title V permit modification must be obtained before the operation of such new or modified source(s) pursuant to OAC rule 3745-77-04(D) and OAC rule 3745-77-08(C)(3)(d).

- b. If the permittee is required to apply for permit(s) pursuant to OAC Chapter 3745-35, the source(s) identified in this Permit To Install is (are) permitted to operate for a period of up to one year from the date the source(s) commenced operation. Permission to operate is granted only if the facility complies with all requirements contained in this permit and all applicable air pollution laws, regulations, and policies. Pursuant to OAC Chapter 3745-35, the permittee shall submit a complete operating permit application within ninety (90) days after commencing operation of the source(s) covered by this permit.

**11. 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.

**12. 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.

**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**

The permittee shall submit required reports in the following manner:

- a. Reports of any required monitoring and/or record keeping of state-only enforceable 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 state-only required emission limitations, operational restrictions, and control device operating parameter limitations that have been detected by the testing, monitoring, and record keeping 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. 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.

**4. 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.

**5. 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 cannot meet the requirements of this permit 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 cannot meet the requirements of this permit or cannot meet applicable standards.

**6. 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.

**7. 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).

**8. Construction Compliance Certification**

If applicable, the applicant shall provide Ohio EPA with a written certification (see enclosed form if applicable) 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.

9. **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	140

**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>
F004 - Modification - Storage pile for binding agent used in the solidification process for non-hazardous wastes prior to landfilling.	OAC rule 3745-31-05	70 tons PM/year See sections A.I.2.a, A.I.2.b and A.I.2.c.
	OAC rule 3745-17-07(B)(1)	See section A.I.2.b.
	OAC rule 3745-17-03(B)(4)	See section A.V.1.b.
This PTI is an Administrative Modification of PTI 15-01444 issued 12/9/2000. It is issued to incorporate AP-42 emission calculation methodologies.	OAC rule 3745-77-07	See section A.VI.1.
PTI 15-01444 issued 12/19/2000 superceded PTI 15-01282 issued on 03/26/1997.		

**2. Additional Terms and Conditions**

- 2.a** There shall be no visible emissions except for a period of time not to exceed one minute during any sixty-minute operating period during periods when the storage pile is dormant. The pile is dormant when there is no unloading of binding agent from delivery vehicles into or around the pile, no removal of binding agent from the pile, and no placement of binding agent in and around the pile.
- 2.b** Visible particulate emissions from this emissions unit shall not exceed 20% opacity, as a six minute average, for more than six consecutive minutes during unloading of binding

agent from delivery vehicles into or around the pile, removal of binding agent from the pile, and the placement of binding agent in and around the pile.

- 2.c As BAT for this emissions unit, the permittee is required to minimize the drop height during handling of the binding agent, water as needed to minimize fugitive emissions during loading and unloading, and when loading to or unloading from the pile is not occurring, tarp the storage pile in order to minimize wind erosion of the pile's surface. Nothing in this permit shall prohibit the permittee from employing additional control measures to ensure compliance.
- 2.d This facility is located in Pike Township of Stark County, Ohio, which is not one of the listed Appendix A areas designated in OAC rule 3745-17-08. Therefore, the requirements of OAC rules 3745-17-07(B) and 3745-17-08(B) do not apply to this emissions unit.

## II. Operational Restrictions

- 1. In order to minimize visible particulate emissions of fugitive dust, the permittee shall:
  - a. Minimize drop height during the unloading of binding agent from delivery vehicles into or around the pile, removal of binding agent from the pile, and the placement of binding agent in and around the pile;
  - b. Maintain and operate a watering system consisting of a permanent water storage tank, hoses, nozzles, and any other necessary equipment to spray water on the select solid wastes and binding agent. Water shall be sprayed whenever necessary to minimize visible particulate emissions of fugitive dust such that there are no violations of the visible particulate emissions limitations in this permit;
  - c. Keep the storage pile covered with a tarp when the storage pile is dormant. Watering as described in the paragraph above shall be conducted as necessary according to Part III, Section II.1.b; and
  - d. Not dump binding agent or dusty materials during periods when the wind speed exceeds 20 MPH unless the material has been watered prior to the dumping and will be watered during the dumping operation. The permittee shall utilize the wind speed indicator required for the operation of emissions unit F002, Landfill Operations, to obtain wind speed reading.
- 2. This emissions unit shall be operated such that emissions generated from the handling of the binding agent are minimized in accordance with good engineering judgment.

### III. Monitoring and/or Record keeping Requirements

1. Except as otherwise provided in this section, the permittee shall perform inspections of each load-in operation at each storage pile in accordance with the following frequencies:

<u>Storage Pile Identification</u>	<u>Minimum Load-in Inspection Frequency</u>
Binding Agent Storage Pile	Daily

2. Except as otherwise provided in this section, the permittee shall perform inspections of each load-out operation at each storage pile in accordance with the following frequencies:

<u>Storage Pile Identification</u>	<u>Minimum Load-out Inspection Frequency</u>
Binding Agent Storage Pile	Daily

3. Except as otherwise provided in this section, the permittee shall perform inspections of wind erosion from pile surfaces associated with each storage pile in accordance with the following frequencies:

<u>Storage Pile Identification</u>	<u>Minimum Erosion Inspection Frequency</u>
Binding Agent Storage Pile	Daily

4. No inspection shall be necessary for wind erosion from the 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 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;

## V. Testing Requirements

### 1. Compliance Methods:

Compliance with the annual mass emissions limitation(s) and control requirements in this Permit to Install shall be determined in accordance with the following method(s):

- a. Emissions Limitation: 70 tons PM/year

Applicable Compliance Method: Compliance shall be demonstrated by using the calculation methodology prescribed in Monitoring and/or Record keeping Requirements Section . A.III.9 of this permit.

- b. Emissions Limitation: No visible emissions except for a period of time not to exceed one minute during any sixty-minute period during periods when the pile lies dormant.

Applicable Compliance Method: Compliance shall be demonstrated by conformance with the Operational Restrictions in Part III, Section A., II, The Monitoring and/or Record keeping Requirements in Part III, Section A, III, the Reporting Requirements in Part III, Section A, IV., and US EPA Method 22 (40 CFR Part 60, Appendix A) as specified in OAC rule 3745-17-03(B)(4).

- c. Emissions Limitation: 20% opacity limit, as a six-minute average, for not more than six consecutive minutes during truck unloading of binding agent, removal of binding agent from the pile, and placement of binding agent in and around the pile. .

Applicable Compliance Method: Compliance shall be demonstrated by conformance with the Operational Restrictions in Part III, Section A., II, The Monitoring and/or Record keeping Requirements in Part III, Section A, III, the Reporting Requirements in Part III, Section A, IV., and, if necessary, EPA Method 9 (40 CFR Part 60, Appendix A) as specified in OAC rule 3745-17-03(B)(5).

## VI. Miscellaneous Requirements

### 1. Authority to Enter

Pursuant to the authority in OAC rule 3745-77-07(C)(2) or ORC section 3704.03 (L), any representative of the Director may, upon presentation of proper identification, enter at any reasonable time upon any portion of the property where this landfill is located, including any improvements thereon, to make inspections, take samples, conduct tests and examine records or reports pertaining to any emissions of air contaminants and any monitoring equipment, emissions control equipment or methods. No operator or agent of this landfill shall act in any manner to refuse, hinder, or thwart this legal right of entry.

- 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 of days where snow and/or ice or precipitation were sufficient not to require the control measure(s).

The information required in section A.III.6.d shall be kept separately for (i) the load-in operations, (ii) the load-out operations, and (iii) the pile surfaces (wind erosion) and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

- 7. A daily record of water applications required by this permit shall be maintained by the permittee. The record of each water application shall include the date of water application, the amount of water applied, and if the watering was being done for wind erosion.
- 8. The permittee shall maintain daily records of the number of tons of binding agent unloaded.
- 9. The permittee shall maintain records of the calculated annual PM emissions rate. The emissions shall be calculated by using AP-42 (Fifth edition, 1/95), Section 13.2.4.3, Equation 1. The value used for moisture shall be a representative number for auto fluff obtained either by direct measurement of representative auto fluff samples or obtained from relevant scientific or engineering literature. The source of the value used shall be documented.

#### IV. Reporting Requirements

- 1. The permittee shall submit deviation reports that identify any of the following occurrences:
  - a. Each day during which an inspection was not performed by the required frequency, excluding an inspection that was not performed due to an exemption for snow, and/or ice cover or precipitation; and
  - b. Each instance when a control measure that was to be implemented as a result of an inspection was not implemented.
- 2. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.
- 3. The permittee shall submit annual deviation (excursion) reports that identify any calculated annual emissions in excess of 70 tons PM/year. Annual reports shall be sent to the Canton local air agency by April 15 of each calendar year.
- 4. The permittee shall submit a semi-annual water application report containing the records of each water application required, including if the watering was performed for wind erosion, the material being watered and the date of the water application. Semi-annual reports shall be sent to the Canton local air agency by January 31 and July 31 of each calendar year.

2. The permittee shall not process liquid wastes that are hazardous wastes, radioactive wastes, regulated polychlorinated biphenyl (PCB) wastes, or asbestos-containing wastes.

**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>
<p>F004 Modification -- Storage pile for binding agent used in the solidification process for non-hazardous wastes prior to landfilling.</p>	None	None
<p>This PTI is an Administrative Modification of PTI 15-01444 issued 12/9/2000. It is issued to incorporate AP-42 emission calculation methodologies.</p>		

2. **Additional Terms and Conditions**

- 2.a None

**II. Operational Restrictions**

None

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

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

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**

- 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>
F005 - Modification - Solidification Pit #1 for the processing of liquid non-hazardous industrial waste prior to landfilling. (This emissions unit involves the placement of the binding agent into an in-ground, open topped, mixing tank and mixing the blending agent with liquid non-hazardous industrial wastes in the tank to produce solid waste.)	OAC rule 3745-31-05	35 tons PM/year See Part III, Section A.I.2.b and c
	OAC rule 3745-17-07	See Part III, Section A.I.2.b
	OAC rule 3745-17-03	See Part III, Section A.V.1.c.
	OAC rule 3745-77-07	See Part III, Section A.VI.1.
	OAC rule 3745-15-05	See Part III, Section A.VI.3
This PTI is an Administrative Modification of PTI 15-01444 issued 12/9/2000. It is issued to incorporate AP-42 emission calculation methodologies.		
PTI 15-01444 issued 12/19/2000 superceded PTI 15-01282 issued on 03/26/1997.		

**2. Additional Terms and Conditions**

- 2.a** Visible particulate emissions from this emissions unit shall not exceed 20 % opacity as a six minute average for more than six consecutive minutes during the placement of the binding agent or solid waste into the in-ground solidification tank and during the mixing process.
- 2.b** BAT for this emissions unit includes weekly observations when the emissions unit is in operation when the weather conditions allow, for any visible particulate emissions from the pit
- 2.c** BAT for this emissions unit also includes the use of minimization of drop height during handling of the binding agent and watering as needed to minimize emissions. Nothing in this permit shall prohibit the permittee from employing additional control measures to ensure compliance.
- 2.d** This facility is located in Pike Township of Stark County, Ohio, which is not one of the listed Appendix A areas designated in OAC rule 3745-17-08. Therefore, the requirements of OAC rules 3745-17-07(B) and 3745-17-08(B) do not apply to this emissions unit.

**II. Operational Restrictions**

- 1.** In order to minimize visible particulate emissions of fugitive dust:
  - a.** The permittee shall conduct mixing of the liquid wastes and solid wastes and binding agent in the in-ground tank only;
  - b.** The permittee shall minimize the drop height during the loading of the in-ground tank;
  - c.** The permittee shall maintain and operate a watering system consisting of a permanent water storage tank, hoses, nozzles, and any other necessary equipment to spray water on the binding agents. Water shall be sprayed whenever necessary to minimize or eliminate visible particulate emissions of fugitive dust such that there are no violations of the visible particulate emissions limitations in this permit; and
  - d.** The permittee shall not dump dusty materials into the in-ground tank during periods when wind speed exceeds 20 MPH unless the material has been watered prior to the dumping and will be watered during the dumping operation. The permittee shall utilize the wind speed indicator required for the operation of emissions unit F002, Landfill Operations, to obtain wind speed reading.
- 2.** This emissions unit shall be operated such that emissions generated from the handling of the binding agent are minimized in accordance with good engineering judgment.

### III. Monitoring and/or Record keeping Requirements

1. Except as otherwise provided in this section, in order to minimize visible particulate emissions of fugitive dust for material handling operations that are not adequately enclosed, the permittee shall perform inspections of such operations in accordance with the following frequencies:

<u>Material Handling Operation(s)</u>	<u>Minimum Inspection Frequency</u>
Adding and Mixing Binding Agent	Daily

2. The above-mentioned inspections shall be performed during representative, normal operating conditions.
3. 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 measures were implemented; and
  - d. On a calendar quarter basis, the total number of days the control measure(s) were implemented.

The information required in Part III Section A.III.3.d shall be kept separately for each material handling operation identified above and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

4. A daily record of water applications required by this permit shall be maintained by the permittee. The record of each water application shall include the date of the water application, the amount of water applied, and the material being watered.
5. The permittee shall maintain daily records of the quantity, in tons, of the binding agent mixed in the in-ground tank.
6. The permittee shall maintain records of the calculated annual PM emissions rate. The PM emissions rate shall be calculated according to Part III, Section A.V.1.a.

### IV. Reporting Requirements

1. The permittee shall submit deviation reports that identify any of the following occurrences:
  - a. Each day during which an inspection was not performed at the required frequency; and

- b. Each instance when a control measure that was to be implemented as a result of an inspection was not implemented.
2. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.
3. The permittee shall submit annual deviation (excursion) reports that identify any calculated annual emissions in excess of 35 tons PM/year. Annual reports shall be sent to the Canton local air agency by April 15 of each calendar year.
4. The permittee shall submit a semi-annual water application report containing the records of each water application, including if the watering was performed for wind erosion, the material being watered, and the date of the water application. Semi-annual reports shall be sent to the Canton local air agency by January 31 and July 31 of each calendar year.

## V. Testing Requirements

### 1. Compliance Methods:

Compliance with the mass emissions limitation and control requirements in this Permit to Install shall be determined in accordance with the following method(s):

#### a. Emissions Limitation: 35 TPY PM

Applicable Compliance Method: The emissions shall be calculated by using AP-42 (Fifth Edition, 1/95), Section 13.2.4.3, Equation 1. The value used for moisture shall be a representative number for auto fluff obtained either by direct measurement of representative auto fluff samples or obtained from relevant scientific or engineering literature. The source of the value used shall be documented.

#### b. The presence or absence of any visible emissions shall be noted. If visible emissions are observed, the permittee shall also note the following in the operations log:

- i. The color of the emissions
- ii. whether the emissions are representative of normal operations
- iii. The total duration of any visible emission incident
- iv. Any corrective actions taken to eliminate the visible emissions

#### c. Emission Limitation: Visible particulate emissions from this emissions unit shall not exceed 20 % opacity, as a six minute average, during the placement of the binding agents or solid waste into the in-ground solidification tank and during the mixing process.

Applicable Compliance Method: Compliance shall be demonstrated by the Operational Restrictions in Section II., 1. and 2., the Monitoring and Record Keeping requirements in section III., 1.-6., and, if necessary, US EPA Method 9 (40 CFR Part 60, Appendix A) as specified in OAC rule 3745-17-03(B)(5).

## VI. Miscellaneous Requirements

### 1. Authority to Enter

Pursuant to the authority in OAC rule 3745-77-07(C)(2) and ORC section 3704.03 (L), any representative of the Director may, upon presentation of proper identification, enter at any reasonable time upon any portion of the property where this landfill is located, including any improvements thereon, to make inspections, take samples, conduct tests and examine records or reports pertaining to any emissions of air contaminants and any monitoring equipment, emissions control equipment or methods. No operator or agent of this landfill shall act in any manner to refuse, hinder, or thwart this legal right of entry.

2. The permittee shall not process liquid wastes that are hazardous wastes, radioactive wastes, regulated polychlorinated biphenyl (PCB) wastes, or asbestos-containing wastes.
3. The permittee shall not utilize any combination of select solid wastes or mixing agents and liquid wastes in emissions unit F005 that will result in the emissions of any air contaminant, except particulate matter, in excess of the DeMinimis amounts in accord with the DeMinimis Rule, OAC 3745-15-05, unless a Permit to Install (PTI) or PTI modification is obtained from the Ohio EPA prior to beginning such utilization. In addition, the permittee shall not utilize the solid waste from an aluminum foundry known as hot cake as a select solid waste to mix with non-hazardous liquid waste unless a Permit to Install (PTI) or PTI modification is obtained from the Ohio EPA prior to beginning such utilization. The permittee may utilize the solid waste from an aluminum foundry which has been previously weathered as a select solid waste to mix with non-hazardous liquid waste.

**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>
<p>F005 - Modification - Solidification Pit for the processing of liquid non-hazardous industrial waste prior to landfilling.</p> <p>This PTI is an Administrative Modification of PTI 15-01444 issued 12/9/2000. It is issued to incorporate AP-42 emission calculation methodologies.</p>	None	None

**2. Additional Terms and Conditions**

2.a None

**II. Operational Restrictions**

None

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

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

Page 25 of 32

**Countywide RDF**

**PTI Application: 15-01444**

**Modification Issued: 5/5/2005**

**Facility ID: 1576001579**

**Emissions Unit ID: F005**

**VI. Miscellaneous Requirements**

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>
<p>F006 - Modification - Solidification Pit #2 for the processing of liquid non-hazardous industrial waste prior to landfilling. (This emissions unit involves the placement of the binding agent into an in-ground, open topped, mixing tank and mixing the blending agent with liquid non-hazardous industrial wastes in the tank to produce solid waste.)</p> <p>This PTI is an administrative Modification of PTI 15-01444 issued 12/19/2000.</p> <p>PTI 15-01444 issued 12/19/2000 superceded PTI 15-01282 issued on 03/26/1997.</p>	OAC rule 3745-31-05	35 tons PM/year See section A.I.2.b and c
	OAC rule 3745-17-07	See section A.I.2.b and c
	OAC rule 3745-17-03	See section A.V.1.c
	OAC rule 3745-77-07	See section A.VI.1.
	OAC rule 3745-15-05	See section A.VI.3

**2. Additional Terms and Conditions**

- 2.a Visible particulate emissions from this emissions unit shall not exceed 20 % opacity as a six minute average for more than six consecutive minutes during the placement of the binding agent or solid waste into the in-ground solidification tank and during the mixing process.

- 2.b BAT for this emissions unit includes weekly observations when the emissions unit is in operation when the weather conditions allow, for any visible particulate emissions from the pit
- 2.c BAT for this emissions unit also includes the use of minimization of drop height during handling of the binding agent and watering as needed to minimize emissions. Nothing in this permit shall prohibit the permittee from employing additional control measures to ensure compliance.
- 2.d This facility is located in Pike Township of Stark County, Ohio, which is not one of the listed Appendix A areas designated in OAC rule 3745-17-08. Therefore, the requirements of OAC rules 3745-17-07(B) and 3745-17-08(B) do not apply to this emissions unit.

## II. Operational Restrictions

- 1. In order to minimize visible particulate emissions of fugitive dust:
  - a. The permittee shall conduct mixing of the liquid wastes and solid wastes and binding agent in the in-ground tank only;
  - b. The permittee shall minimize the drop height during the loading of the in-ground tank;
  - c. The permittee shall maintain and operate a watering system consisting of a permanent water storage tank, hoses, nozzles, and any other necessary equipment to spray water on the binding agents. Water shall be sprayed whenever necessary to minimize or eliminate visible particulate emissions of fugitive dust such that there are no violations of the visible particulate emissions limitations in this permit; and
  - d. The permittee shall not dump dusty materials into the in-ground tank during periods when wind speed exceeds 20 MPH unless the material has been watered prior to the dumping and will be watered during the dumping operation. The permittee shall utilize the wind speed indicator required for the operation of emissions unit F002, Landfill Operations, to obtain wind speed reading.
- 2. This emissions unit shall be operated such that emissions generated from the handling of the binding agent are minimized in accordance with good engineering judgment.

### III. Monitoring and/or Record keeping Requirements

1. Except as otherwise provided in this section, in order to minimize visible particulate emissions of fugitive dust for material handling operations that are not adequately enclosed, the permittee shall perform inspections of such operations in accordance with the following frequencies:

<u>Material Handling Operation(s)</u>	<u>Minimum Inspection Frequency</u>
Adding and Mixing Binding Agent	Daily

2. The above-mentioned inspections shall be performed during representative, normal operating conditions.
3. 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 measures were implemented; and
  - d. On a calendar quarter basis, the total number of days the control measure(s) were implemented.

The information required in Part III Section A.III.3.d shall be kept separately for each material handling operation identified above and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

4. A daily record of water applications required by this permit shall be maintained by the permittee. The record of each water application shall include the date of the water application, the amount of water applied, and the material being watered.
5. The permittee shall maintain daily records of the quantity, in tons, of the binding agent mixed in the in-ground tank.
6. The permittee shall maintain records of the calculated annual PM emissions rate. The PM emissions rate shall be calculated according to Part III, Section A.V.1.a.

### IV. Reporting Requirements

1. The permittee shall submit deviation reports that identify any of the following occurrences:
  - a. Each day during which an inspection was not performed at the required frequency; and

- b. Each instance when a control measure that was to be implemented as a result of an inspection was not implemented.
2. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.
3. The permittee shall submit annual deviation (excursion) reports that identify any calculated annual emissions in excess of 35 tons PM/year. Annual reports shall be sent to the Canton local air agency by April 15 of each calendar year.
4. The permittee shall submit a semi-annual water application report containing the records of each water application, including if the watering was performed for wind erosion, the material being watered, and the date of the water application. Semi-annual reports shall be sent to the Canton local air agency by January 31 and July 31 of each calendar year.

#### V. Testing Requirements

##### 1. Compliance Methods:

Compliance with the mass emissions limitation and control requirements in this Permit to Install shall be determined in accordance with the following method(s):

##### a. Emissions Limitation: 35 TPY PM

Applicable Compliance Method: The emissions shall be calculated by using AP-42 (Fifth Edition, 1/95), Section 13.2.4.3, Equation 1. The value used for moisture shall be a representative number for auto fluff obtained either by direct measurement of representative auto fluff samples or obtained from relevant scientific or engineering literature. The source of the value used shall be documented.

##### b. The presence or absence of any visible emissions shall be noted. If visible emissions are observed, the permittee shall also note the following in the operations log:

- i. The color of the emissions
- ii. Whether the emissions are representative of normal operations
- iii. The total duration of any visible emission incident
- iv. Any corrective actions taken to eliminate the visible emissions

##### c. Emission Limitation: Visible particulate emissions from this emissions unit shall not exceed 20 % opacity, as a six minute average, during the placement of the binding agents or solid waste into the in-ground solidification tank and during the mixing process.

Applicable Compliance Method: Compliance shall be demonstrated by the Operational Restrictions in Section II., 1. and 2., the Monitoring and Record Keeping requirements in section III., 1.-6., and, if necessary, US EPA Method 9 (40 CFR Part 60, Appendix A) as specified in OAC rule 3745-17-03(B)(5).

## VI. Miscellaneous Requirements

### 1. Authority to Enter

Pursuant to the authority in OAC rule 3745-77-07(C)(2) and ORC section 3704.03 (L), any representative of the Director may, upon presentation of proper identification, enter at any reasonable time upon any portion of the property where this landfill is located, including any improvements thereon, to make inspections, take samples, conduct tests and examine records or reports pertaining to any emissions of air contaminants and any monitoring equipment, emissions control equipment or methods. No operator or agent of this landfill shall act in any manner to refuse, hinder, or thwart this legal right of entry.

2. The permittee shall not process liquid wastes that are hazardous wastes, radioactive wastes, regulated polychlorinated biphenyl (PCB) wastes, or asbestos-containing wastes.
3. The permittee shall not utilize any combination of select solid wastes or mixing agents and liquid wastes in emissions unit F006 that will result in the emissions of any air contaminant, except particulate matter, in excess of the DeMinimis amounts in accord with the DeMinimis Rule, OAC 3745-15-05, unless a Permit to Install (PTI) or PTI modification is obtained from the Ohio EPA prior to beginning such utilization. In addition, the permittee shall not utilize the solid waste from an aluminum foundry known as hot cake as a select solid waste to mix with non-hazardous liquid waste unless a Permit to Install (PTI) or PTI modification is obtained from the Ohio EPA prior to beginning such utilization. The permittee may utilize the solid waste from an aluminum foundry which has been previously weathered as a select solid waste to mix with non-hazardous liquid waste.

**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>
<p>F006 - Modification - Solidification Pit for the processing of liquid non-hazardous industrial waste prior to landfilling.</p> <p>This PTI is an Administrative Modification of PTI 15-01444 issued 12/9/2000. It is issued to incorporate AP-42 emission calculation methodologies.</p>	None	None

**2. Additional Terms and Conditions**

2.a None

**II. Operational Restrictions**

None

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

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None

