



State of Ohio Environmental Protection Agency

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

CERTIFIED MAIL

Street Address:

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

Mailing Address:

Lazarus Gov. Center

Application No: 15-01444

DATE: 12/19/2000

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

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
Field Operations and Permit Section
Division of Air Pollution Control

CC: USEPA

Canton LAA



STATE OF OHIO ENVIRONMENTAL PROTECTION AGENCY

Permit To Install

Issue Date: 12/19/2000

FINAL PERMIT TO INSTALL 15-01444

Application Number: 15-01444
APS Premise Number: 1576001579
Permit Fee: **\$6000**
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):

Emission unit F004 is a storage pile for binding agent and F005 is a solidification pit used to solidify non-hazardous liquid wastes landfilling. This PTI supercedes PTI 15-1282 dated 3/26/97.

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 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 recordkeeping 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.11 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. 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 thirty (30) 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.

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 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 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. 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. 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.

5. 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.

6. 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.

7. 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.

8. 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).

9. 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.

10. 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 - Storage pile for binding agent used in the solidification process for non-hazardous wastes prior to landfilling.	OAC rule 3745-31-05(A)(3) OAC rule 3745-17-07(B)(1)	70 tons PM/year See sections I.2.a and I.2.b See section I.2.c

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 BAT for this emissions unit also includes the use of minimization of drop height during handling of binding agent, watering as needed to minimize emissions and tarping of the storage pile when loading to or unloading from the pile is not occurring in order to minimize wind erosion of the pile's surface.
- 2.c 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.d The permittee shall employ reasonably available control measures during unloading material to the storage pile, during removal of material from the storage pile and for wind erosion from the surface of the storage pile for the purpose of ensuring compliance with the applicable emission limitations and control measures. Nothing in this permit shall prohibit the permittee from employing other control measures to ensure compliance.

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

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binding
agent.
Water
shall be
sprayed
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minimize
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limitations
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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 section

II.1.b;

- 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; and
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 Recordkeeping Requirements

1. Monitoring Requirements

The permittee or his agent shall perform visible particulate emissions readings whenever necessary during the operation of this emissions unit and whenever necessary according to the methods listed in Additional Special Term and Condition V.1.a. or V.1.b. as appropriate, to determine when watering is necessary and to prove that there are no visible particulate emissions violations. The person who performs the visible particulate emissions readings shall be a certified visible emissions evaluator.

2. Record keeping Requirements

- a. A record of water applications required by this permit shall be maintained by the permittee. The records of water applications shall be maintained in a bound logbook at the facility site for a period of not less than three years and shall be made available to the Director, or any authorized representative of the Director, for review during normal business hours. The record of each water application shall include the type of material being watered, the date of the water application, and if the watering was being done for wind erosion.

Emissions Unit ID: F004

- b. The records of all visible particulate emissions readings required by this permit shall be maintained in a bound logbook at the facility site for a period of not less than three years and shall be made available to the Director, or any authorized representative of the Director, for review during normal business hours. The record of visible particulate emissions readings shall include the items recommended to be recorded as specified in the appropriate method.
- c. The permittee shall maintain daily records of the number of tons of binding agent unloaded. These records shall be maintained in a bound logbook at the facility site for a period of not less than three years and shall be made available to the Director, or any authorized representative of the Director, for review during normal business hours.
- d. The permittee shall maintain records of the calculated annual PM emissions rate. This emissions rate shall be calculated by multiplying the total annual binding agent handling rate for this emissions unit, in tons binding agent per year by the emission factor

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IV. Reporting Requirements

1. The permittee shall submit quarterly deviation(excursion) reports which identify any visible particulate emission readings in excess of the emission limitations specified in section A.2.a. All reports shall be sent to the Canton local air agency within 30 days following the end of the quarter.
2. The permittee shall submit annual deviation(excursion)reports which identify any calculated annual emissions in excess of 70 tons PM/year. Annual reports shall be sent to the Canton local air agency by January 31 of each calendar year.
3. The permittee shall submit an 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.

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. Emission limitation: 70 tons PM/year

Applicable Compliance Method: Compliance shall be demonstrated by the monitoring and Record keeping requirements in sections III.2.d.

- b. Emission limitation: 20% opacity limit, as a six minute average, for 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. 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 US EPA Method 22(40 CFR Part 60, Appendix A) as specified in OAC rule 3745-17-03(B)(4) and the record keeping requirements

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.

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>
F004 - Storage pile for binding agent used in the solidification process for non-hazardous wastes prior to landfilling.	NONE	NONE

2. Additional Terms and Conditions

2.a NONE

II. Operational Restrictions

NONE

III. Monitoring and/or Recordkeeping Requirements

NONE

IV. Reporting Requirements

NONE

V. Testing Requirements

NONE

VI. Miscellaneous Requirements

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Issued: 12/19/2000

Emissions Unit ID: F004

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>
F005 - Solidification Pit for the processing of liquid non-hazardous industrial waste prior to landfilling.	OAC rule 3745-31-05(A)(3)	35 tons PM/year See section I.2.a
	OAC rule 3745-17-07(B)(1)	See section I.2.b

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 also includes the use of minimization of drop height during handling of binding agent and watering as needed to minimize emissions.
- 2.c The permittee shall employ reasonably available control measures during loading of material into the in-ground tank for the purpose of ensuring compliance with the applicable emission limitations and control measures. Nothing in this permit shall prohibit the permittee from employing other control measures to ensure compliance.

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 select solid wastes and 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;
 - 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; and
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 Recordkeeping Requirements

1. Monitoring Requirements

The permittee or his agent shall perform visible particulate emissions readings whenever necessary during the operation of emissions unit F005 and whenever necessary according to the methods listed in Additional Special Term and Condition V.1.a. or V.1.b. as appropriate, to determine

Emissions Unit ID: F005

when watering is necessary and to prove that there are no visible particulate emissions violations. The person who performs the necessary visible particulate emissions readings shall be a certified visible emissions evaluator.

2. Record keeping Requirements

- a. A record of water applications required by this permit shall be maintained by the permittee. The records of water applications shall be maintained in a bound logbook at the facility site for a period of not less than three years and shall be made available to the Director, or any authorized representative of the Director, for review during normal business hours. The record of each water application shall include the type of material(s) being watered and the date of the water application.
- b. The records of the visible particulate emissions readings required by this permit shall be maintained in a bound logbook at the facility site for a period of not less than three years and shall be made available to the Director, or any authorized representative of the Director, for review during normal business hours. The record of visible particulate emissions readings shall include the items recommended to be recorded within the appropriate method.
- c. The permittee shall maintain daily records of the quantity of binding agent mixed in the in-ground tank in tons. These records shall be maintained in a bound logbook at the facility site for a period of not less than three years and shall be made available to the Director, or any authorized representative of the Director, for review during normal business hours.
- d. The permittee shall maintain records of the calculated annual PM emissions rate. This emissions rate shall be calculated by multiplying the total annual binding agent handling rate in tons/year for emissions unit F005 by the emission factor of 1.5 pounds of PM/ton of binding agent (EPA AP-42, Fifth Edition, Chapter 11.17, Table 11.17-4)

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation(excursion) reports which identifies any visible particulate emission readings in excess of the emission limitations specified in section I.2.a. All reports shall be sent to the Canton local air agency within 30 days following the end of the quarter.
2. The permittee shall submit annual deviation(excursion)reports which identify any calculated annual emissions in excess of 35 tons PM/year. Annual reports shall be sent to the Canton local air agency by January 31 of each calendar year.
3. The permittee shall submit a semi-annual water application report containing the records of each water application required including if the the date of the water application and the material being watered. 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

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. Emission Limitation: 35 TPY PM

Applicable Compliance Method: Compliance shall be demonstrated by the and the monitoring and Record keeping requirements in sections III.2.e.

- b. Emission Limitation: Visible particulate emissions from this emissions unit shall not exceed 20 % opacity, as a six minute average, for more than 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 US EPA Method 22(40 CFR Part 60, Appendix A) as specified in OAC rule 3745-17-03(B)(4) and the monitoring and record keeping requirements in section III.1 and III.2.b.

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

Emissions Unit ID: F005

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, which 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>
F005 - Solidification Pit for the processing of liquid non-hazardous industrial waste prior to landfilling.	NONE	NONE

2. Additional Terms and Conditions

2.a NONE

II. Operational Restrictions

NONE

III. Monitoring and/or Recordkeeping Requirements

NONE

IV. Reporting Requirements

None

V. Testing Requirements

NONE

VI. Miscellaneous Requirements

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County

PTI A₁

Issued: 12/19/2000

Emissions Unit ID: F005

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>
F006 - Solidification Pit for the processing of liquid non-hazardous industrial waste prior to landfilling.	OAC rule 3745-31-05(A)(3)	35 tons PM/year See section I.2.a
	OAC rule 3745-17-07(B)(1)	See section I.2.b

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 also includes the use of minimization of drop height during handling of binding agent and watering as needed to minimize emissions.
- 2.c The permittee shall employ reasonably available control measures during loading of material into the in-ground tank for the purpose of ensuring compliance with the applicable emission limitations and control measures. Nothing in this permit shall prohibit the permittee from employing other control measures to ensure compliance.

II. Operational Restrictions

1. In order to minimize visible particulate emissions of fugitive dust:

Emissions Unit ID: F006

- 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 select solid wastes and 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;
 - 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; and
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 Recordkeeping Requirements

1. Monitoring Requirements

The permittee or his agent shall perform visible particulate emissions readings whenever necessary during the operation of emissions unit F005 and whenever necessary according to the methods listed in Additional Special Term and Condition V.1.a. or V.1.b. as appropriate, to determine when watering is necessary and to prove that there are no visible particulate emissions violations. The person who performs the necessary visible particulate emissions readings shall be a certified visible emissions evaluator.

2. Record keeping Requirements

- a. A record of water applications required by this permit shall be maintained by the permittee. The records of water applications shall be maintained in a bound logbook at the facility site for a period of not less than three years and shall be made available to the Director, or any authorized representative of the Director, for review during normal business hours. The record of each water application shall include the type of material(s) being watered and the date of the water application.
- b. The records of the visible particulate emissions readings required by this permit shall be maintained in a bound logbook at the facility site for a period of not less than three years and shall be made available to the Director, or any authorized representative of the Director, for review during normal business hours. The record of visible

particulate emissions readings shall include the items recommended to be recorded within the appropriate method.

- c. The permittee shall maintain daily records of the quantity of binding agent mixed in the in-ground tank in tons. These records shall be maintained in a bound logbook at the facility site for a period of not less than three years and shall be made available to the Director, or any authorized representative of the Director, for review during normal business hours.
- d. The permittee shall maintain records of the calculated annual PM emissions rate. This emissions rate shall be calculated by multiplying the total annual binding agent handling rate in tons/year for emissions unit F005 by the emission factor of 1.5 pounds of PM/ton of binding agent(EPA AP-42, Fifth Edition, Chapter 11.17, Table 11.17-4)

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation(excursion) reports which identifies any visible particulate emission readings in excess of the emission limitations specified in section A.2.a. All reports shall be sent to the Canton local air agency within 30 days following the end of the quarter.
2. The permittee shall submit annual deviation(excursion)reports which identify any calculated annual emissions in excess of 35 tons PM/year. Annual reports shall be sent to the Canton local air agency by January 31 of each calendar year.
3. The permittee shall submit a semi-annual water application report containing the records of each water application required including if the the date of the water application and the material being watered. 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. Emission Limitation: 35 TPY PM

Emissions Unit ID: F006

Applicable Compliance Method: Compliance shall be demonstrated by the and the monitoring and Record keeping requirements in sections III.2.e.

- b. Emission Limitation: Visible particulate emissions from this emissions unit shall not exceed 20 % opacity, as a six minute average, for six consecutive minutes, 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 US EPA Method 22(40 CFR Part 60, Appendix A) as specified in OAC rule 3745-17-03(B)(4) and the monitoring and record keeping requirements in section III.1 and III.2.b.

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.

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, which 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>
F006 - Solidification Pit for the processing of liquid non-hazardous industrial waste prior to landfilling.	NONE	NONE

2. Additional Terms and Conditions

2.a NONE

II. Operational Restrictions

NONE

III. Monitoring and/or Recordkeeping Requirements

NONE

IV. Reporting Requirements

NONE

V. Testing Requirements

NONE

VI. Miscellaneous Requirements

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Countywide RDF
PTI Application: **15 01444**
Issued

Facility ID: **1576001579**

Emissions Unit ID: F006

NONE

NEW SOURCE REVIEW FORM B

PTI Number: 15-01444 Facility ID: 1576001579

FACILITY NAME Countywide RDF

FACILITY DESCRIPTION Emission unit F004 is a storage pile for binding agent. This PTI supercedes PTI 15-1282 dated 3/26/97. CITY/TWP East Sparta

SIC CODE 4953 SCC CODE 30510505 EMISSIONS UNIT ID F004

EMISSIONS UNIT DESCRIPTION Storage pile for binding agent used in the solidification process for non-hazardous wastes prior to landfilling.

DATE INSTALLED 11/1/00

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter	ATTAINMENT		68		70
PM ₁₀					
Sulfur Dioxide					
Organic Compounds					
Nitrogen Oxides					
Carbon Monoxide					
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS? NO NESHAP? NO PSD? NO OFFSET POLICY? NO

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?

Enter Determination **BAT for this emissions unit also includes the use of minimization of drop height during handling of binding agent, watering as needed to minimize emissions and tarping of the storage pile when loading to or unloading from the pile is not occurring in order to minimize wind erosion of the pile's surface.**

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? NO

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? \$

TOXIC AIR CONTAMINANTS

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED*? _____ YES X NO

IDENTIFY THE AIR CONTAMINANTS: _____

NEW SOURCE REVIEW FORM B

PTI Number: 15-01444 Facility ID: 1576001579

FACILITY NAME Countywide RDF

FACILITY DESCRIPTION Emission unit F005 is a solidification nit CITY/TWP East Snarta

Emissions Unit ID: F006

SIC CODE 4953 SCC CODE 30510505 EMISSIONS UNIT ID F005

EMISSIONS UNIT DESCRIPTION Solidification Pit for the processing of liquid non-hazardous industrial waste prior to landfilling.

DATE INSTALLED 11/1/00

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter	ATTAINMENT		34		35
PM ₁₀					
Sulfur Dioxide					
Organic Compounds					
Nitrogen Oxides					
Carbon Monoxide					
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS? NO

NESHAP? NO

PSD? NO

OFFSET POLICY? NO

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?

Enter Determination **BAT for this emissions unit also includes the use of minimization of drop height during handling of binding agent and watering as needed to minimize emissions.**

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? NO

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? \$

TOXIC AIR CONTAMINANTS

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED*? _____ YES X NO

IDENTIFY THE AIR CONTAMINANTS: _____

3 NEW SOURCE REVIEW FORM B

PTI Number: 15-01444

Facility ID: 1576001579

FACILITY NAME Countywide RDF

FACILITY DESCRIPTION Emission unit F006 is a solidification nit CITY/TWP East Snarta

Emissions Unit ID: F006

SIC CODE 4953

SCC CODE 30510505

EMISSIONS UNIT ID F006

EMISSIONS UNIT DESCRIPTION Solidification Pit for the processing of liquid non-hazardous industrial waste prior to landfilling.

DATE INSTALLED 11/1/00

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter	ATTAINMENT		34		35
PM ₁₀					
Sulfur Dioxide					
Organic Compounds					
Nitrogen Oxides					
Carbon Monoxide					
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS? NO

NESHAP? NO

PSD? NO

OFFSET POLICY? NO

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?

Enter Determination **BAT for this emissions unit also includes the use of minimization of drop height during handling of binding agent and watering as needed to minimize emissions.**

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? NO

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? \$

TOXIC AIR CONTAMINANTS

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED*? _____ YES X NO

IDENTIFY THE AIR CONTAMINANTS: _____

38 NEW SOURCE REVIEW FORM B

PTI Number: 15-01444

Facility ID: 1576001579

FACILITY NAME Countywide RDF

FACILITY DESCRIPTION Emission unit F006 is a solidification nit CITY/TWP East Snarta

Emissions Unit ID: F006

Ohio EPA Permit to Install Information Form Please describe below any documentation which is being submitted with this recommendation (must be sent the same day). Electronic items should be submitted with the e-mail transmitting the PTI terms, and in software that CO can utilize. If mailing any hard copy, this section must be printed as a cover page. All items must be clearly labeled indicating the PTI name and number. Submit **hard copy items to Pam McGraner**, AQM&P, DAPC, Central Office, and electronic files to airpti@epa.state.oh.us

Please fill out the following. If the checkbox does not work, replace it with an 'X'

	Electronic	<u>Additional information File Name Convention (your PTI # plus this letter)</u>	<u>Hard Copy</u>	<u>None</u>
<u>Calculations (required)</u>	<input checked="" type="checkbox"/>	0000000c.wpd	<input type="checkbox"/>	
<u>Modeling form/results</u>	<input type="checkbox"/>	0000000s.wpd	<input type="checkbox"/>	<input type="checkbox"/>
<u>PTI Application (complete or partial)*</u>	<input type="checkbox"/>	0000000a.wpd	<input type="checkbox"/>	<input type="checkbox"/>
<u>BAT Study</u>	<input type="checkbox"/>	0000000b.wpd	<input type="checkbox"/>	<input type="checkbox"/>
<u>Other/misc.</u>	<input type="checkbox"/>	0000000t.wpd	<input type="checkbox"/>	<input type="checkbox"/>

* Mandatory for netting, PSD, nonattainment NSR, 112(g), 21-07(G)(9)(g) and 21-09(U)(2)(f) - 2 complete copies.

Please complete (see comment bubble to the left for additional instructions):

This PTI permits two (2) emissions units; F004 and F005. Emissions unit F004 is a storage pile of binding agent that is used in the solidification process at Countywide landfill for binding non-hazardous liquid waste into a solid suitable for land filling. Emissions unit F005 is an in-ground solidification tank. The PM emissions generated are due to the loading of binding agent into each emissions unit. Currently the facility operates one storage pile and one solidification tank and wants to install and operate a second tank. The addition of the second tank, emissions unit F006, will increase the allowable annual PM emissions; therefore, Canton LAA is initiating a Chapter 31 PTI modification. The new PTI supercedes PTI 15-01282, dated March 26, 1997. The company wants to process a total maximum quantity of binding agent of 336,000 cubic yards per year through emissions units F004, F005, and F006.

F004: $336,000 \text{ cu.yd./year} \times 27 \text{ cu.ft./cu.yd.} \times 20 \text{ lb/cu.ft.} \times 1/2000 \text{ lb/ton} = 90,720 \text{ tons/year}$

F005: $168,000 \text{ cu.yd./year} \times 27 \text{ cu.ft./cu.yd.} \times 20 \text{ lb/cu.ft.} \times 1/2000 \text{ lb/ton} = 45,360 \text{ tons/year}$

F006: $168,000 \text{ cu.yd./year} \times 27 \text{ cu.ft./cu.yd.} \times 20 \text{ lb/cu.ft.} \times 1/2000 \text{ lb/ton} = 45,360 \text{ tons/year}$

PM annual emissions rate for this emissions unit is

F004: $1.5 \text{ lb PM/ton binding agent} \times 90,720 \text{ tons binding agent/yr.} \times 1/2000 \text{ lb PM/ton}$
 PM = 68.04 ton PM/yr.

F005: $1.5 \text{ lb PM/ton binding agent} \times 45,360 \text{ tons binding agent/yr.} \times 1/2000 \text{ lb PM/ton}$
 PM = 34.02 ton PM/yr.

F006: $1.5 \text{ lb PM/ton binding agent} \times 45,360 \text{ tons binding agent/yr.} \times 1/2000 \text{ lb PM/ton}$
 PM = 34.02 ton PM/yr.

(The PM emission factor of 1.5 lbs PM/ton is from EPA AP-42, Fifth Edition, Chapter 11.17, Table 11.17-4)

BAT for all three emissions units is the use of minimization of drop height during handling of binding agent, annual process rate limitations and watering as needed to minimize emissions.. BAT for the storage pile also includes tarping of the storage pile when loading to or unloading from the pile is not occurring to minimize wind erosion of the pile's surface.

Please complete for these type permits (For PSD/NSR Permit, place mouse over this text):

Synthetic Minor Determination and/or Netting Determination

39 NEW SOURCE REVIEW FORM B

PTI Number: 15-01444

Facility ID: 1576001579

FACILITY NAME Countywide RDF

FACILITY DESCRIPTION Emission unit F006 is a solidification nit CITY/TWP East Snarta

Emissions Unit ID: F006

Permit To Install **ENTER PTI NUMBER HERE**

- A. Source Description
- B. Facility Emissions and Attainment Status
- C. Source Emissions
- D. Conclusion

PLEASE PROVIDE ADDITIONAL NOTES OR COMMENTS AS NECESSARY:

NONE

Please complete:

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

Pollutant

Tons Per Year

PM

140