State of Ohio Environmental Protection Agency

RE: DRAFT PERMIT TO INSTALL **CERTIFIED MAIL**
HAMILTON COUNTY

Street Address: Lazarus Gov. Center **TELE:** (614) 644-3020 **FAX:** (614) 644-2329 Mailing Address: Lazarus Gov. Center

Application No: 14-05382

DATE: 1/28/2003

Rumpke Sanitary Landfill, Inc
John Butler
10795 Hughes Rd
Cincinnati, OH 452514598

You are hereby notified that the Ohio Environmental Protection Agency has made a draft action recommending that the Director issue a Permit to Install for the air contaminant source(s) [emissions unit(s)] shown on the enclosed draft permit. This draft action is not an authorization to begin construction or modification of your emissions unit(s). The purpose of this draft is to solicit public comments on the proposed installation. A public notice concerning the draft permit will appear in the Ohio EPA Weekly Review and the newspaper in the county where the facility will be located. Public comments will be accepted by the field office within 30 days of the date of publication in the newspaper. Any comments you have on the draft permit should be directed to the appropriate field office within the comment period. A copy of your comments should also be mailed to Robert Hodanbosi, Division of Air Pollution Control, Ohio EPA, P.O. Box 1049, Columbus, OH, 43266-0149.

A Permit to Install may be issued in proposed of final form based on the draft action, any written public comments received within 30 days of the public notice, or record of a public meeting if one is held. You will be notified in writing of a scheduled public meeting. Upon issuance of a final Permit to Install a fee of **$5200** will be due. Please do not submit any payment now.

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. If you have any questions about this draft permit, please contact the field office where you submitted your application, or Mike Ahern, Field Operations & Permit Section at (614) 644-3631.

Very truly yours,

Michael W. Ahern

Michael W. Ahern, Supervisor
Field Operations and Permit Section
Division of Air Pollution Control

CC: USEPA HCDES Ohio-Kentucky-Indiana Regional Council of Governments KY IN

STATE OF OHIO ENVIRONMENTAL PROTECTION AGENCY

Permit To Install **Issue Date: To be entered upon final issuance**
Terms and Conditions **Effective Date: To be entered upon final issuance**

DRAFT PERMIT TO INSTALL 14-05382

Application Number:	14-05382
APS Premise Number:	1431092049
Permit Fee:	**To be entered upon final issuance**
Name of Facility:	Rumpke Sanitary Landfill, Inc
Person to Contact:	John Butler
Address:	10795 Hughes Rd Cincinnati, OH 452514598

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

Description of proposed emissions unit(s):
mineral extraction, 150 tons/hr portable soil shredder-screener, 250 tons/hr portable soil shredder-screener, 400 tons/hr portable crusher.

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

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 <u>emission limitations</u>, <u>operational restrictions</u>, <u>and control device operating parameter limitations</u>, 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.9 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 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 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. 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

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.

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

Pollutant	Tons Per Year
PM	98.46
PM-10	42.03

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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	OAC rule 3745-17-11(B)
F004 - mineral extraction, including drilling, blasting and loading	OAC rule 3745-31-05(A)(3)	
	OAC rule 3745-17-07(A)(1)	

Applicable Emissions Limitations/Control Measures	
106.52 lbs/day of particulate emissions (PM), 0.21 lb/hr from the stack exhaust from the drilling operation. 16.95 tons per year (TPY) of PM, 54.26 lbs/day of particulate matter less than 10 microns (PM-10), 8.68 TPY of PM-10. Visible particulate emissions from any fugitive dust emissions point shall not exceed twenty percent (20%) opacity, as a 3-minute average, except as specified by rule. See Sections A.I.2 and A.II. The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A)(1). Visible particulate emissions from any stack shall not exceed twenty percent (20%) opacity, as a six minute average, except as specified by rule. The emission limitation specified by this rule is less	stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

2. Additional Terms and Conditions

2.a All the emissions from the drilling of blast holes shall be vented to a multicyclone followed by a baghouse with a 99% control efficiency.

2.b The drop height shall be minimized during the load out operation of blasted material.

2.c Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by the use of a multicyclone and baghouse for the drilling operation, limiting the blasts, holes drilled and amount of material loaded, the visible particulate emission limitations and the emission limitations.

II. Operational Restrictions

1. The maximum daily production rates for mineral extraction shall not exceed 24,000 tons of aggregate loaded, 3 blasts and 200 holes drilled.

2. The maximum annual production rate for mineral extraction shall not exceed 7,020,000 tons of aggregate loaded, 1,000 blasts and 50,000 holes drilled.

3. The pressure drop across the baghouse controlling the drilling operation shall be maintained within the range of 0.1 to 4 inches of water while the emissions unit is in operation.

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall collect and record the amount of aggregate loaded out, in tons, the number of holes drilled, and the number of blasts on a daily basis.

2. The permittee shall collect and record the amount of aggregate loaded out, number of holes drilled, and number of blasts (the summation of A.III.1) on a monthly basis.

3. The permittee shall properly install, operate, and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a daily basis.

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that identify any exceedances of the production limitations specified in term A.II.1.

2. The permittee shall submit pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified in term A.II.3.

3. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

4. The permittee shall submit annual reports summarizing the total production of aggregate loaded out, the number of blasts and number of holes drilled. This report shall be submitted by January 30 of each year and shall address the previous calendar year.

V. Testing Requirements

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

   Emission Limitation:

   20% opacity, as a six-minute average

   Applicable Compliance Method:

   Compliance shall be determined in accordance with Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 1996.

2. Emission Limitation:

   20% opacity, as a three-minute average

   Applicable Compliance Method:

   Compliance shall be determined in accordance with Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 1996.

3. Emission Limitation:

   106.52 lbs/day PM
   16.95 TPY PM

   Applicable Compliance Method:

   Compliance shall be determined by the recordkeeping requirements in Section A.III.1 and A.III.2. The emission limitations specified in the PTI are based on production limitations. Therefore,

compliance with production limitations ensure compliance with the emission limitations. If specific emission calculations are required, the emission factors and control efficiencies found in PTI application 14-05382, submitted on November 8, 2002 shall be used.

4. Emission Limitation:

   54.26 lbs/day PM-10
   8.68 TPY of PM-10

   Applicable Compliance Method:

   Compliance shall be determined by the recordkeeping requirements in Section A.III.1 and A.III.2. The emission limitations specified in the PTI are based on production limitations. Therefore, compliance with production limitations ensure compliance with the emission limitations. If specific emission calculations are required, the emission factors and control efficiencies found in PTI application 14-05382, submitted on November 8, 2002 shall be used.

5. Compliance with the operational restrictions in Section A.II.1 and A.II.2 shall be demonstrated by the recordkeeping in Section A.III.1 and A.III.2.

6. Compliance with the operational restriction in Section A.II.3 shall be demonstrated by the recordkeeping in Section A.III.3.

VI. Miscellaneous Requirements

1. The term and conditions listed in this permit to install shall supersede the terms and conditions of PTI 14-04379, for this emissions unit issued on August 20, 1997 and modified on July 22, 1998.

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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
F004 - mineral extraction		

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

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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	
F007 - 150 ton/hr soil shredding operation, including material handling, screening and storage piles	OAC rule 3745-31-05(A)(3)	
		OAC rule 3745-17-08(B)
	40 CFR, Part 60, Subpart OOO	
	OAC rule 3745-17-07(B)	

Applicable Emissions Limitations/Control Measures	
4.99 lbs of particulate emissions (PM)/hour* 0.96 lb of particulate matter less than 10 micron in size (PM-10)/hour* 10.79 TPY PM 2.85 TPY PM10 *The hourly emission limitations outlined above are based upon the emission unit's potential to emit. Therefore, no hourly recordkeeping or reporting is required to demonstrate compliance with these limits. The lbs of PM and PM-10/hr emission limitations established in PTI 14-05382 are for the material handling and screening operations only. The hourly PM emissions from the storage piles associated with this emissions unit are not included in this emission limitation. See section A.II.3. The requirements of this rule also include compliance with the requirements of 40 CFR, Part 60, Subpart OOO, and OAC 3745-17-08(B).	See section A.I.2.a., b. and e. below. The fugitive visible particulate emission limitation specified by this rule is less stringent than the emission limitation established pursuant to 40 CFR, Part 60, Subpart OOO. See sections A.II.1 and A.II.2.

2. Additional Terms and Conditions

2.a Fugitive visible particulate emissions from any transfer point on belt conveyors and from any other emissions point (excluding crushers and truck dumping) where process materials are not saturated, shall not exceed 10 percent opacity, except as provided by rule 40 CFR 60.672.

2.b Fugitive visible particulate emissions from any crusher shall not exceed 15 percent opacity.

2.c There shall be no fugitive visible particulate emissions from any material storage pile associated with this emissions unit, except for one minute during any sixty-minute observation period.

2d Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by throughput limitation, opacity and visible emissions limitations, maintain moisture content of processed soil/rock and reduced drop height from loading.

2.e The application and enforcement of the provisions of the New Source Performance Standards (NSPS), as promulgated by the United States Environmental Protection Agency, 40 CFR Part 60, are delegated to the Ohio Environmental Protection Agency. The requirements of 40 CFR Part 60 are also federally enforceable.

II. Operational Restrictions

1. Material processed through this emissions unit shall contain sufficient moisture to minimize or eliminate visible particulate emissions of fugitive dust at all times when this emissions unit is in operation. The moisture content shall be sufficient to demonstrate compliance with the visible particulate emissions specified in this permit. Should the moisture content prove insufficient to be able to demonstrate compliance with the visible emission limitations within this permit, additional control measures shall be employed.

2. During the unloading onto or removal from the material storage piles associated with this emissions unit, the drop height of the front end loader and stackers shall be minimized in order to minimize or eliminate visible particulate emissions of fugitive dust.

3. The maximum annual amount of material processed in this emissions unit shall not exceed 500,000 tons/yr.

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain the following information on a monthly basis:

   a. The total amount of material processed, recorded in tons; and

   b. The year-to-date total for the amount of material processed, recorded in tons (the summation of a. for each month of operation during the calendar year).

2. On days when this emissions unit is in operation, the permittee shall inspect the shredding operation, material handling operations, and storage piles to ensure that the moisture content of the soil present is sufficient to minimize or eliminate fugitive visible particulate emissions. Should abnormal fugitive visible emissions be present, additional control measures shall be employed to further minimize or eliminate fugitive visible emissions. The results of this inspection and any corrective measures taken to minimize or eliminate fugitive visible emissions shall be recorded in a log book.

IV. Reporting Requirements

1. The permittee shall submit annual reports that identifies the amount of soil processed through this emissions unit. This report shall be submitted by January 30 of each year and shall address the previous calendar year.

2. The permittee shall submit quarterly deviation (excursion) reports that identify any of the following occurrences:

   a. Each day during which an inspection required in Section A.III.2 was not performed; and

   b. Each instance when a control measure, that was to be implemented as a result of an inspection, was not implemented.

3. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

V. Testing Requirements

1. Compliance with the opacity limits of this permit shall be determined by using US EPA Reference Test Method 9. The minimum distance between the observer and the emission source shall be 4.57 meters (15 feet).

2. Emission Limitations:

   10.79 TPY of PM; 2.85 TPY of PM-10

Applicable Compliance Method:

Compliance shall be determined by calculating emissions using the following equation:

TPY of PM = (A) x (B) x (1-C) x 0.0005

TPY of PM-10 = TPY of PM (as calculated above) x 0.50

where,

A = PM emission factor, as calculated from AP-42 section 13.2.4, January, 1995 edition. See emission calculations detailed in PTI application 14-05382 for specific emission factors (load-in, loud-out, shredding, etc) .
B = total annual throughput, in tons, from Section A.III.1.
C = control efficiency detailed in PTI application 14-05382.

3. Emission Limitations:

4.99 lbs of PE/hr; 0.96 lb of PM-10/hr

Applicable Compliance Method:

Compliance shall be determined by calculating emissions using the following equations:

lbs of PE = (A) x (B) x (1-C) x 0.0005

lbs of PM-10 = lbs of PE (as calculated above) x 0.50

where,

A = PM emission factor, as calculated from AP-42 section 13.2.4, January, 1995 edition. See emission calculations detailed in PTI application 14-05382 for specific emission factors (load-in, loud-out, shredding, etc) .
B = maximum hourly throughput of 150 tons.
C = control efficiency detailed in PTI application 14-05382.

4. Compliance with the production limitation specified in Section A.II.3 shall be determined by the record keeping requirements in Section A.III.1.

5. Emission Limitation:

No visible particulate emissions of fugitive dust from any material storage pile associated with this emissions unit, except for one minute during any sixty-minute observation period.

Applicable Compliance Method:

Compliance shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 1996, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(d) of OAC rule 3745-17-03.

VI. Miscellaneous Requirements

1. Notice to Relocate a Portable or Mobile Source

Pursuant to OAC rule 3745-31-03(A)(1)(p)(i), the permittee of a portable or mobile emissions unit may relocate within the State of Ohio without first obtaining a PTI providing the following criteria are met:

a. the portable emissions unit is equipped with the best available control technology for such portable emissions unit;

b. the portable emissions unit is operating pursuant to a currently effective permit to operate (PTO);

c. the applicant has provided proper notice of intent to relocate the portable emissions unit to the Hamilton County Department of Environmental Services and the appropriate field office having jurisdiction over the new site within a minimum of thirty days prior to the scheduled relocation; and

d. In the Hamilton County Department of Environmental Services and the appropriate field office's judgement, the proposed site is acceptable under the OAC rule 3745-15-07.

In the alternative, pursuant to OAC rule 3745-31-03(A)(1)(p)(ii), the permittee of a portable or mobile emissions unit may relocate within the State of Ohio without first obtaining a PTI providing the following criteria of OAC rule 3745-31-05(F) are met:

e. the portable emissions unit permittee possesses an Ohio EPA PTI, PTO or registration status;

f. the portable emissions unit is equipped with best available technology;

g. the portable emission unit owner has identified the proposed site to the Ohio EPA;

h. the Ohio EPA has determined that the portable emissions unit, at the proposed site, will have an acceptable environmental impact;

i. a public notice, consistent with OAC Chapter 3745-47, is published in the county where the proposed site is located;

j. the owner of the proposed site has provided the portable emissions unit owner with approval or equivalent declaration that it is acceptable to the site owner to move the portable emissions unit to this proposed site; and

k. The portable emissions unit owner has provided the Ohio EPA with fifteen days written notice of the relocation.

Any site approvals issued by the Ohio EPA, pursuant to Section A.VI.1. above, shall be valid for no longer than three years and are subject to renewal.

In order for the Hamilton County Department of Environmental Services and the appropriate field office having jurisdiction over the new site to determine compliance with all of the above criteria, the owner or operator of the portable or mobile emissions unit must file a "Notice of Intent to Relocate", within the specified time frame (30 or 15 days) prior to the relocation of the emissions unit with the Hamilton County Department of Environmental Services (250 William Howard Taft Road, Cincinnati, OH 45219) and the appropriate field office having jurisdiction over the new site.

Upon receipt of the notice, the Hamilton County Department of Environmental Services and/or appropriate field office having jurisdiction over the new site, will evaluate the request in accordance with the above criteria.

Failure to submit said notification and to receive the Ohio EPA's approval prior to relocation of the emissions unit may result in fines and civil penalties.

2. The term and conditions of PTI 14-05382 shall supersede the terms and conditions of PTI 14-04771 and PTI 06-05712 for emissions units F007, F008, F009, F010 and F011.

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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
F007 - 150 tons per hour portable soil shredder, screener		

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

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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements
F008 - 250 ton/hour soil shredding operation, including material handling, screening and storage piles	OAC rule 3745-31-05(A)(3) 40 CFR, Part 60, Subpart OOO OAC rule 3745-17-07(B) OAC rule 3745-17-08(B)

Applicable Emissions Limitations/Control Measures	
7.71 lbs of particulate emissions (PM)/hour* 1.30 lbs of particulate matter less than 10 micron in size (PM-10)/hour* 10.79 TPY PM 2.85 TPY PM10 *The hourly emission limitations outlined above are based upon the emission unit's potential to emit. Therefore, no hourly recordkeeping or reporting is required to demonstrate compliance with these limits. The lbs of PM and PM-10/hr emission limitations established in PTI 14-05382 are for the material handling and screening operations only. The hourly PM emissions from the storage piles associated with this emissions unit are not included in this emission limitation. See section A.II.3. The requirements of this rule also include compliance with the requirements of 40 CFR, Part 60, Subpart OOO, and OAC rule 3745-17-08(B). See section A.I.2.a., b., and e. below. The fugitive visible particulate emission limitation specified by this rule is less stringent than the emission limitation established pursuant to 40 CFR, Part 60, Subpart OOO. See sections A.II.1 and A.II.2.	

2. Additional Terms and Conditions

2.a Fugitive visible particulate emissions from any transfer point on belt conveyors and from any other emissions point (excluding crushers and truck dumping) where process materials are not saturated, shall not exceed 10 percent opacity, except as provided by rule 40 CFR 60.672.

2.b Fugitive visible particulate emissions from any crusher shall not exceed 15 percent opacity.

2.c There shall be no fugitive visible particulate emissions from any material storage pile associated with this emissions unit, except for one minute during any sixty-minute observation period.

2.d Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by the throughput limitation, opacity and visible emissions limitations, maintain moisture content of processed soil/rock and reduced drop height from loading.

2.e The application and enforcement of the provisions of the New Source Performance Standards (NSPS), as promulgated by the United States Environmental Protection Agency, 40 CFR Part 60, are delegated to the Ohio Environmental Protection Agency. The requirements of 40 CFR Part 60 are also federally enforceable.

II. Operational Restrictions

1. Material processed through this emissions unit shall contain sufficient moisture to minimize or eliminate visible particulate emissions of fugitive dust at all times when this emissions unit is in operation. The moisture content shall be sufficient to demonstrate compliance with the visible particulate emissions specified in this permit. Should the moisture content prove insufficient to be able to demonstrate compliance with the visible emission limitations within this permit, additional control measures shall be employed.

2. During the unloading onto or removal from the material storage piles associated with this emissions unit, the drop height of the front end loader and stackers shall be minimized in order to minimize or eliminate visible particulate emissions of fugitive dust.

3. The maximum amount of material processed in this emissions unit shall not exceed 500,000 tons/yr.

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain the following information on a monthly basis:

a. The total amount of material processed, recorded in tons; and

b. The year-to-date total for the amount of material processed, recorded in tons (the summation of a. for each month of operation during the calendar year).

2. On days when this emission unit is in operation, the permittee shall inspect the shredding operation, material handling operations, and storage piles to ensure that the moisture content of the soil present is sufficient to minimize or eliminate fugitive visible particulate emissions. Should abnormal fugitive visible emissions be present, additional control measures shall be employed to further minimize or eliminate fugitive visible emissions. The results of this inspection and any corrective measures taken to minimize or eliminate fugitive visible emissions shall be recorded in a log book.

IV. Reporting Requirements

1. The permittee shall submit annual reports that identifies the amount of soil processed through this emissions unit. This report shall be submitted by January 30 of each year and shall address the previous calendar year.

2. The permittee shall submit quarterly deviation (excursion) reports that identify any of the following occurrences:

   a. Each day during which an inspection required in Section A.III.2 was not performed; and

   b. Each instance when a control measure, that was to be implemented as a result of an inspection, was not implemented.

3. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

V. Testing Requirements

1. Compliance with the opacity limits of this permit shall be determined by using US EPA Reference Test Method 9. The minimum distance between the observer and the emission source shall be 4.57 meters (15 feet).

2. Emission Limitations:

   10.79 TPY of PM; 2.85 TPY of PM-10

   Applicable Compliance Method:

   Compliance shall be determined by calculating emissions using the following equation:

   TPY of PM = (A) x (B) x (1-C) x 0.0005

TPY of PM-10 = TPY of PM (as calculated above) x 0.50

where,

A = PM emission factor, as calculated from AP-42 section 13.2.4, January, 1995 edition. See emission calculations detailed in PTI application 14-05382 for specific emission factors (load-in, loud-out, shredding, etc) .
B = total annual throughput, in tons, from Section A.III.1.
C = control efficiency, detailed in PTI application 14-05382.

3. Emission Limitations:

7.71 lbs of PM/hr; 1.30 lbs of PM-10/hr

Applicable Compliance Method:

Compliance shall be determined by calculating emissions using the following equations:

lbs of PM = (A) x (B) x (1-C) x 0.0005

lbs of PM-10 = lbs of PM (as calculated above) x 0.50

where,

A = PM emission factor, as calculated from AP-42 section 13.2.4, January, 1995 edition. See emission calculations detailed in PTI application 14-05382 for specific emission factors (load-in, loud-out, shredding, etc) .
B = maximum hourly throughput of 250 tons.
C = control efficiency, detailed in PTI application 14-05382.

4. Compliance with the production limitation specified in Section A.II.3 shall be determined by the record keeping requirements in Section A.III.1.

5. Emission Limitation:

No visible particulate emissions of fugitive dust from any material storage pile associated with this emissions unit, except for one minute during any sixty-minute observation period.

Applicable Compliance Method:

Compliance shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 1996, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(d) of OAC rule 3745-17-03.

VI. Miscellaneous Requirements

1. Notice to Relocate a Portable or Mobile Source

Pursuant to OAC rule 3745-31-03(A)(1)(p)(i), the permittee of a portable or mobile emissions unit may relocate within the State of Ohio without first obtaining a PTI providing the following criteria are met:

a. the portable emissions unit is equipped with the best available control technology for such portable emissions unit;

b. the portable emissions unit is operating pursuant to a currently effective permit to operate (PTO);

c. the applicant has provided proper notice of intent to relocate the portable emissions unit to the Hamilton County Department of Environmental Services and the appropriate field office having jurisdiction over the new site within a minimum of thirty days prior to the scheduled relocation; and

d. In the Hamilton County Department of Environmental Services and the appropriate field office's judgement, the proposed site is acceptable under the OAC rule 3745-15-07.

In the alternative, pursuant to OAC rule 3745-31-03(A)(1)(p)(ii), the permittee of a portable or mobile emissions unit may relocate within the State of Ohio without first obtaining a PTI providing the following criteria of OAC rule 3745-31-05(F) are met:

e. the portable emissions unit permittee possesses an Ohio EPA PTI, PTO or registration status;

f. the portable emissions unit is equipped with best available technology;

g. the portable emission unit owner has identified the proposed site to the Ohio EPA;

h. the Ohio EPA has determined that the portable emissions unit, at the proposed site, will have an acceptable environmental impact;

i. a public notice, consistent with OAC Chapter 3745-47, is published in the county where the proposed site is located;

j. the owner of the proposed site has provided the portable emissions unit owner with

approval or equivalent declaration that it is acceptable to the site owner to move the portable emissions unit to this proposed site; and

k. The portable emissions unit owner has provided the Ohio EPA with fifteen days written notice of the relocation.

Any site approvals issued by the Ohio EPA, pursuant to Section A.VI.1. above, shall be valid for no longer than three years and are subject to renewal.

In order for the Hamilton County Department of Environmental Services and the appropriate field office having jurisdiction over the new site to determine compliance with all of the above criteria, the owner or operator of the portable or mobile emissions unit must file a "Notice of Intent to Relocate", within the specified time frame (30 or 15 days) prior to the relocation of the emissions unit with the Hamilton County Department of Environmental Services (250 William Howard Taft Road, Cincinnati, OH 45219) and the appropriate field office having jurisdiction over the new site.

Upon receipt of the notice, the Hamilton County Department of Environmental Services and/or appropriate field office having jurisdiction over the new site, will evaluate the request in accordance with the above criteria.

Failure to submit said notification and to receive the Ohio EPA's approval prior to relocation of the emissions unit may result in fines and civil penalties.

2. The term and conditions of PTI 14-05382 shall supersede the terms and conditions of PTI 14-04771 and PTI 06-05712 for emissions units F007, F008, F009, F010 and F011.

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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
F008 - 250 tons per hour portable soil shredder, screener		

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

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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	
F009 - 400 ton/hour soil/rock crushing operation including screening, transfer and conveying	OAC rule 3745-31-05(A)(3)	
		40 CFR, Part 60, Subpart OOO
		OAC rule 3745-17-07(B)(1)
		OAC rule 3745-17-08(B)

Applicable Emissions Limitations/Control Measures	
17.36 lbs of particulate emissions (PM)/hour*, 264.8 lbs/day and 32.5 TPY from the soil crushing, transferring and conveying operation. 7.46 lbs of PM10 emissions/hour*, 114 lbs/day and 13.95 TPY of PM10 from the soil crushing, transferring and conveying operation *The hourly emission limitations outlined above are based upon the emission unit's potential to emit. Therefore, no hourly recordkeeping or reporting is required to demonstrate compliance with these limits. See section A.II.3. There shall be no visible particulate emissions from any material storage piles associated with this emissions unit except for a period of time not to exceed one minute during any sixty-minute observation period. The requirements of this rule also include compliance with the requirements of 40 CFR, Part 60, Subpart OOO, and OAC rule 3745-17-08(B). See sections A.I.2.a., b., and d. below.	The fugitive visible particulate emission limitation specified by this rule is less stringent than the emission limitation established pursuant to 40 CFR, Part 60, Subpart OOO. See sections A.II.1 and A.II.2.

2. Additional Terms and Conditions

2.a Fugitive visible particulate emissions from any transfer point on belt conveyors and from any other emissions point (excluding crushers and truck dumping) where process materials are not saturated, shall not exceed 10 percent opacity, except as provided by rule 40 CFR 60.672.

2.b Fugitive visible particulate emissions from any crusher shall not exceed 15 percent opacity.

2.c Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by the throughput limitation, opacity and visible emissions limitations, maintain moisture content of processed soil/rock and reduced drop height from loading.

2.d The application and enforcement of the provisions of the New Source Performance Standards (NSPS), as promulgated by the United States Environmental Protection Agency, 40 CFR Part 60, are delegated to the Ohio Environmental Protection Agency. The requirements of 40 CFR Part 60 are also federally enforceable.

II. Operational Restrictions

1. Material processed through this emissions unit shall contain sufficient moisture to minimize or eliminate visible particulate emissions of fugitive dust at all times when this emissions unit is in operation. The moisture content shall be sufficient to demonstrate compliance with the visible particulate emissions specified in this permit. Should the moisture content prove insufficient to be able to demonstrate compliance with the visible emission limitations within this permit, additional control measures shall be employed.

2. During the unloading onto or removal from the material storage piles associated with this emissions unit, the drop height of the front end loader and stackers shall be minimized in order to minimize or eliminate visible particulate emissions of fugitive dust.

3. The maximum annual amount of material processed in this emissions unit shall not exceed 6100 tons/day and 1,497,600 tons/yr.

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain the following information on a daily basis:

   a. The total amount of material processed, in tons; and

   b. The year-to-date total for the amount of material processed, recorded in tons (the

summation of a. for each month of operation during the calendar year).

2. On days when this emission unit is in operation, the permittee shall inspect the crushing operation, material handling operations, and storage piles to ensure that the moisture content of the soil present is sufficient to minimize or eliminate fugitive visible particulate emissions. Should abnormal fugitive visible emissions be present, additional control measures shall be employed to further minimize or eliminate fugitive visible emissions. The results of this inspection and any corrective measures taken to minimize or eliminate fugitive visible emissions shall be recorded in a log book.

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the material thoughput limitation specified in Section A.II.3.

2. The permittee shall submit quarterly deviation (excursion) reports that identify any of the following occurrences:

   a. Each day during which an inspection required in Section A.III.2 was not performed; and

   b. Each instance when a control measure, that was to be implemented as a result of an inspection, was not implemented.

3. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

V. Testing Requirements

1. If the initial visible particulate emission testing has not already been conducted then the permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:

   a. The emission testing shall be conducted within sixty days after the issuance of this permit.

   b. The emission testing shall be conducted to demonstrate compliance with the visible particulate emission limitations specified in Sections A.I.2.a., and A.I.2.b. of this permit.

   c. Compliance with the opacity limits of this permit shall be determined by using US EPA Reference Test Method 9. The minimum distance between the observer and the emission source shall be 4.57 meters (15 feet).

d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Hamilton County Department of Environmental Services;

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Hamilton County Department of Environmental Services.

The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Hamilton County Department of Environmental Services' refusal to accept the results of the emission test(s).

Personnel from the Hamilton County Department of Environmental Services shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the Hamilton County Department of Environmental Services within 30 days following completion of the test(s).

2. Emission Limitations:

32.5 TPY of PM; 13.95 TPY of PM-10

Applicable Compliance Method:

Compliance shall be determined by calculating emissions using the following equation:

TPY of PM = (A) x (B) x (1-C) x 0.0005

TPY of PM-10 = TPY of PM (as calculated above) x 0.50

where,

A = PM emission factor, as calculated from AP-42 section 13.2., January, 1995 edition. See emission calculations detailed in PTI application 14-05382 for specific emission factors (load-in, loud-out, shredding, etc) .
B = total annual throughput, in tons, from Section A.III.1.
C = control efficiency, detailed in PTI application 14-05382.

3. Emission Limitations:

17.36 lbs of PM/hr; 7.46 lbs of PM-10/hr

Emissions Unit ID: F009

Applicable Compliance Method:

Compliance shall be determined by calculating emissions using the following equations:

lbs of PM = (A) x (B) x (1-C) x 0.0005

lbs of PM-10 = lbs of PM (as calculated above) x 0.50

where,

A = PM emission factor, as calculated from AP-42 section 13.2.4, January, 1995 edition. See emission calculations detailed in PTI application 14-05382 for specific emission factors (load-in, loud-out, shredding, etc) .
B = maximum hourly throughput of 400 tons.
C = control efficiency, detailed in PTI application 14-05382.

4. Compliance with the production limitation specified in Section A.II.3 shall be determined by the record keeping requirements in Section A.III.1.

VI. Miscellaneous Requirements

1. Notice to Relocate a Portable or Mobile Source

Pursuant to OAC rule 3745-31-03(A)(1)(p)(i), the permittee of a portable or mobile emissions unit may relocate within the State of Ohio without first obtaining a PTI providing the following criteria are met:

a. the portable emissions unit is equipped with the best available control technology for such portable emissions unit;

b. the portable emissions unit is operating pursuant to a currently effective permit to operate (PTO);

c. the applicant has provided proper notice of intent to relocate the portable emissions unit to the Hamilton County Department of Environmental Services and the appropriate field office having jurisdiction over the new site within a minimum of thirty days prior to the scheduled relocation; and

d. In the Hamilton County Department of Environmental Services and the appropriate field office's judgement, the proposed site is acceptable under the OAC rule 3745-15-07.

In the alternative, pursuant to OAC rule 3745-31-03(A)(1)(p)(ii), the permittee of a portable or mobile emissions unit may relocate within the State of Ohio without first obtaining a PTI providing the following criteria of OAC rule 3745-31-05(F) are met:

e. the portable emissions unit permittee possesses an Ohio EPA PTI, PTO or registration status;

f. the portable emissions unit is equipped with best available technology;

g. the portable emission unit owner has identified the proposed site to the Ohio EPA;

h. the Ohio EPA has determined that the portable emissions unit, at the proposed site, will have an acceptable environmental impact;

i. a public notice, consistent with OAC Chapter 3745-47, is published in the county where the proposed site is located;

j. the owner of the proposed site has provided the portable emissions unit owner with approval or equivalent declaration that it is acceptable to the site owner to move the portable emissions unit to this proposed site; and

k. The portable emissions unit owner has provided the Ohio EPA with fifteen days written notice of the relocation.

Any site approvals issued by the Ohio EPA, pursuant to Section A.VI.1. above, shall be valid for no longer than three years and are subject to renewal.

In order for the Hamilton County Department of Environmental Services and the appropriate field office having jurisdiction over the new site to determine compliance with all of the above criteria, the owner or operator of the portable or mobile emissions unit must file a "Notice of Intent to Relocate", within the specified time frame (30 or 15 days) prior to the relocation of the emissions unit with the Hamilton County Department of Environmental Services (250 William Howard Taft Road, Cincinnati, OH 45219) and the appropriate field office having jurisdiction over the new site.

Upon receipt of the notice, the Hamilton County Department of Environmental Services and/or appropriate field office having jurisdiction over the new site, will evaluate the request in accordance with the above criteria.

Failure to submit said notification and to receive the Ohio EPA's approval prior to relocation of the emissions unit may result in fines and civil penalties.

2. The term and conditions of PTI 14-05382 shall supersede the terms and conditions of PTI 14-04771 and PTI 06-05712 for emissions units F007, F008, F009, F010 and F011.

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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
F009 - 400 tons per hour portable soil/rock crusher		

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

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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
F010 - load-in, load-out and wind erosion from crushed soil/rock storage piles	OAC rule 3745-31-05(A)(3)	26.8 tons per year (TPY) of particulate emissions (PM) 13.4 TPY PM10 Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see Sections A.I.2.b through A.I.2.f) No visible particulate emissions from any storage pile associated with this emissions unit, except for one minute during any sixty-minute observation period
	OAC rule 3745-17-07(B)(1)	The opacity restrictions specified by this rule are less stringent than opacity restrictions established pursuant to OAC rule 3745-31-05(A)(3).
	OAC rule 3745-17-08(B)	The emission limitations specified by this rule are less stringent than emission limitations established pursuant to OAC rule 3745-31-05(A)(3).

2. Additional Terms and Conditions

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

crushed soil/rock storage piles

2.b The permittee shall employ best available control measures on all load-in and load-out operations associated with the storage piles for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to partial enclosure and reduced drop height to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

2.c The above-mentioned control measure(s) shall be employed for each load-in and load-out operation of each storage pile if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measure(s) are necessary to ensure compliance with the above-mentioned applicable requirements. Any required implementation of the control measure(s) shall continue during any such operation until further observation confirms that use of the measure(s) is unnecessary.

2.d The permittee shall employ best available control measures for wind erosion from the surfaces of all storage piles for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to partial enclosure and the use of a tarp cover to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

2.e The above-mentioned control measure(s) shall be employed for wind erosion from each pile if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measure(s) are necessary to ensure compliance with the above-mentioned applicable requirements. Implementation of the control measure(s) shall not be necessary for a storage pile that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements.

2.f Implementation of the above-mentioned control measures in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the requirements of OAC rule 3745-31-05(A)(3).

II. Operational Restrictions

Emissions Unit ID: F010

1. The maximum amount of crushed soil/rock processed through this emissions unit shall not exceed 1,497,600 tons per year.

III. Monitoring and/or Recordkeeping 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:

storage pile identification	minimum load-in inspection frequency
all	daily during operation

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:

storage pile identification	minimum load-out inspection frequency
all	daily during operation

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

storage pile identification	minimum wind erosion inspection frequency
all	daily during operation

4. No inspection shall be necessary for wind erosion from the surface of a storage pile when the pile is covered with snow and/or ice and for any storage pile activity if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements. Any required inspection that is not performed due to any of the above identified events shall be performed as soon as such event(s) has (have) ended, except if the next required inspection is within one week.

5. The purpose of the inspections is to determine the need for implementing the control measures specified in this permit for load-in and load-out of a storage pile, and wind erosion from the surface of a storage pile. The inspections shall be performed during representative, normal storage pile operating conditions.

6. The permittee may, upon receipt of written approval from the Hamilton County Department of Environmental Services, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with

the above-mentioned applicable requirements.

7. The permittee shall maintain records of the following information:

   a. the date and reason any required inspection was not performed, including those inspections that were not performed due to snow and/or ice cover or precipitation;

   b. the date of each inspection where it was determined by the permittee that it was necessary to implement the control measures;

   c. the dates the control measures were implemented; and

   d. on a calendar quarter basis, the total number of days the control measures were implemented and, for wind erosion from pile surfaces, the total number of days where snow and/or ice cover or precipitation were sufficient to not require the control measure(s).

   The information required in 7.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.

8. The permittee shall maintain monthly records of the total amount of crushed soil/rock processed through this emissions unit.

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation reports that identify any of the following occurrences:

   a. each day during which an inspection was not performed by the required frequency, excluding an inspection which was not performed due to an exemption for snow and/or ice cover or precipitation; and

   b. each instance when a control measure, that was to be implemented as a result of an inspection, was not implemented.

2. The permittee shall submit annual reports that identifies the amount of crushed soil/rock processed through this emissions unit. This report shall be submitted by January 30 of each year and shall address the previous calendar year.

3. The deviation reports shall be submitted in accordance with the reporting requirements of the

General Terms and Conditions of this permit.

V. Testing Requirements

1. Compliance with the emission limitations in Section A.I. of these terms and conditions shall be determined in accordance with the following methods:

   Emission Limitation:

   no visible emissions, except for 1 minute during any 60-minute period

   Applicable Compliance Method:

   Compliance shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 1996, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(c) of OAC rule 3745-17-03.

2. Emission Limitation:

   26.8 TPY of PM
   13.4 TPY of PM10

   Applicable Compliance Method:

   The TPY limit was established based upon emission calculations using AP-42, Chapter 13.2 and 13.4 (10/96) emission factors. Compliance shall be determined by using AP-42 emission factors and the appropriate operating information from the monitoring and record keeping requirements contained in this permit.

3. Compliance with the production limitation specified in Section A.II.1 shall be determined by the record keeping requirements in Section A.III.8.

VI. Miscellaneous Requirements

1. The term and conditions of PTI 14-05382 shall supersede the terms and conditions of PTI 14-04771 and PTI 06-05712 for emissions units F007, F008, F009, F010 and F011.

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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
F010 - crushed soil/rock storage piles		

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

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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	
		OAC rule 3745-17-08(B)
F011 - crushed soil/rock miscellaneous material handling operations	OAC rule 3745-31-05(A)(3)	
	OAC rule 3745-17-07(B)(1)	

Applicable Emissions Limitations/Control Measures
0.34 lb/hour of particulate emissions (PM)* 0.63 tons per year (TPY) of PM 0.16 lb/hour PM10* 0.30 TPY PM10
*The hourly emission limitations outlined above are based upon the emission unit's potential to emit. Therefore, no hourly recordkeeping or reporting is required to demonstrate compliance with these limits
Visible particulate emissions shall not exceed 10% opacity, as a three-minute average
Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see Sections A.2.c through A.2.e)
The opacity restrictions specified by this rule are less stringent than the opacity restrictions established pursuant to OAC rule 3745-31-05(A)(3).
The emission limitations specified by this rule are less stringent than the emission limitations established pursuant to OAC rule 3745-31-05(A)(3).

2. Additional Terms and Conditions

2.a Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by the use of partial enclosure, visible emissions restriction, throughput restriction, and reduced drop height of crushed soil.

2.b The material handling operation(s) that are covered by this permit and subject to the above-mentioned requirements are listed below:

Load-in and load-out of the crusher, vehicles, and other miscellaneous material handling

2.c The permittee shall employ best available control measures for the above-identified material handling operation(s) for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to perform the following control measure(s) to ensure compliance:

material handling operation(s)

Front-end loader dumping

control measure(s)

Minimize drop height during load-in, load-out and unloading

Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

2.d For each material handling operation that is not adequately enclosed, the above-identified control measure(s) shall be implemented if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measure(s) is (are) necessary to ensure compliance with the above-mentioned applicable requirements. Any required implementation of the control measure(s) shall continue during the operation of the material handling operation(s) until further observation confirms that use of the control measure(s) is unnecessary.

2.e Implementation of the above-mentioned control measures in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the requirements of OAC rule 3745-31-05(A)(3).

II. Operational Restrictions

Emissions Unit ID: F011

1. The throughput of crushed soil in this emissions unit shall not exceed 1,497,600 tons per year.

III. Monitoring and/or Recordkeeping Requirements

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

material handling operation(s)	minimum inspection frequency
Front-end loader dumping	Daily during operation

2. The above-mentioned inspections shall be performed during representative, normal operating conditions.

3. The permittee may, upon receipt of written approval from the Hamilton County Department of Environmental Services, modify the above-mentioned inspection frequencies if operating experience indicates that less frequent inspections would be sufficient to ensure compliance with the above-mentioned applicable requirements.

4. The permittee shall maintain records of the following information:

   a. the date and reason any required inspection was not performed;

   b. the date of each inspection where it was determined by the permittee that it was necessary to implement the control measure(s):

   c. the dates the control measure(s) was (were) implemented; and

   d. on a calendar quarter basis, the total number of days the control measure(s) was (were) implemented.

   The information in 4.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.

5. The permittee shall maintain monthly records of the total amount of crushed soil/rock processed through this emissions unit.

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation reports that identify any of the following

occurrences:

a. each day during which an inspection was not performed by the required frequency; and

b. each instance when a control measure, that was to be performed as a result of an inspection, was not implemented.

2. The permittee shall submit annual reports that identifies the amount of crushed soil/rock processed through this emissions unit. This report shall be submitted by January 30 of each year and shall address the previous calendar year.

3. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

V. Testing Requirements

1. Compliance with the emission limitations in Section A.I. shall be determined in accordance with the following methods:

Emission Limitation:

10% opacity, as a three-minute average

Applicable Compliance Method:

Compliance with the visible emissions limitation for the material handling operation(s) identified above shall be determined in accordance with Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 1996, and the modifications listed in paragraphs (B)(3)(a) and (B)(3)(b) of OAC rule 3745-17-03.

2. Emission Limitation:

0.63 TPY of PE; 0.30 TPY PM-10

Applicable Compliance Method:

The TPY limits were established based upon emission calculations using AP-42, Chapter 13.2 and 13.4 (10/96) emission factors. Compliance shall be determined by using AP-42 emission factors and the appropriate operating information from the monitoring and record keeping requirements contained in this permit.

3. Emission Limitation:

0.34 lb/hour of particulate emissions (PM)
0.16 lb/hour PM10

Applicable Compliance Method:

The lb/hour limits were established based upon emission calculations using AP-42, Chapter 13.2 and 13.4 (10/96) emission factors. Compliance shall be determined by using AP-42 emission factors and the appropriate operating information from the monitoring and record keeping requirements contained in this permit.

4. Compliance with the production limitation specified in Section A.II.1 shall be determined by the record keeping requirements in Section A.III.5.

VI. Miscellaneous Requirements

1. The term and conditions of PTI 14-05382 shall supersede the terms and conditions of PTI 14-04771 and PTI 06-05712 for emissions units F007, F008, F009, F010 and F011.

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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
F011 - crushed soil material handling operations		

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

None