



State of Ohio Environmental Protection Agency

Street Address:

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

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

Mailing Address:

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

**RE: FINAL PERMIT TO INSTALL  
OTTAWA COUNTY  
Application No: 03-16301  
Fac ID: 0362000125**

**CERTIFIED MAIL**

|             |                              |
|-------------|------------------------------|
|             | TOXIC REVIEW                 |
|             | PSD                          |
|             | SYNTHETIC MINOR              |
|             | CEMS                         |
|             | MACT                         |
| Subpart 000 | NSPS                         |
|             | NESHAPS                      |
|             | NETTING                      |
|             | MAJOR NON-ATTAINMENT         |
|             | MODELING SUBMITTED           |
|             | GASOLINE DISPENSING FACILITY |

**DATE: 8/2/2005**

Sylvester Material Company, Inc.  
Chip Tokar  
3810 Herr Road  
Sylvania, OH 43560

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  
309 South Fourth Street, Room 222  
Columbus, Ohio 43215

Sincerely,

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

CC: USEPA

NWDO



**Permit To Install  
Terms and Conditions**

**Issue Date: 8/2/2005  
Effective Date: 8/2/2005**

**FINAL PERMIT TO INSTALL 03-16301**

Application Number: 03-16301  
Facility ID: 0362000125  
Permit Fee: **\$2600**  
Name of Facility: Sylvester Material Company, Inc.  
Person to Contact: Chip Tokar  
Address: 3810 Herr Road  
Sylvania, OH 43560

Location of proposed air contaminant source(s) [emissions unit(s)]:  
**677 S. Genoa Clay Center Road  
Genoa, Ohio**

Description of proposed emissions unit(s):  
**Modification to existing aggregate processing plant, roadways, parking areas and storage piles.**

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. Permit to Install General Terms and Conditions

#### 1. Compliance Requirements

The emissions unit(s) identified in this Permit to Install shall remain in full compliance with all applicable State laws and regulations and the terms and conditions of this permit.

#### 2. Reporting Requirements

The permittee shall submit required reports in the following manner:

- a. Reports of any required monitoring and/or recordkeeping information shall be submitted to the appropriate Ohio EPA District Office or local air agency.
- b. Except as otherwise may be provided in the terms and conditions for a specific emissions unit, quarterly written reports of (a) any deviations (excursions) from emission limitations, operational restrictions, and control device operating parameter limitations that have been detected by the testing, monitoring, and recordkeeping requirements specified in this permit, (b) the probable cause of such deviations, and (c) any corrective actions or preventive measures which have been or will be taken, shall be submitted to the appropriate Ohio EPA District Office or local air agency. If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.)

#### 3. Records Retention Requirements

Each record of any monitoring data, testing data, and support information required pursuant to this permit shall be retained for a period of five years from the date the record was created. Support information shall include, but not be limited to, all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. Such records may be maintained in computerized form.

#### 4. Inspections and Information Requests

The Director of the Ohio EPA, or an authorized representative of the Director, may, subject to the safety requirements of the permittee and without undue delay, enter upon the premises of this source at any reasonable time for purposes of making inspections, conducting tests, examining records or reports pertaining to any emission of air contaminants, and determining compliance with any applicable State air pollution laws and

regulations and the terms and conditions of this permit. The permittee shall furnish to the Director of the Ohio EPA, or an authorized representative of the Director, upon receipt of a written request and within a reasonable time, any information that may be requested to determine whether cause exists for modifying, reopening or revoking this permit or to determine compliance with this permit. Upon verbal or written request, the permittee shall also furnish to the Director of the Ohio EPA, or an authorized representative of the Director, copies of records required to be kept by this permit.

**5. Scheduled Maintenance/Malfunction Reporting**

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. The malfunction of any emissions units or any associated air pollution control system(s) shall be reported to the appropriate Ohio EPA District Office or local air agency in accordance with paragraph (B) of OAC rule 3745-15-06. Except as provided in that rule, any scheduled maintenance or malfunction necessitating the shutdown or bypassing of any air pollution control system(s) shall be accompanied by the shutdown of the emissions unit(s) that is (are) served by such control system(s).

**6. Permit Transfers**

Any transferee of this permit shall assume the responsibilities of the prior permit holder. The appropriate Ohio EPA District Office or local air agency must be notified in writing of any transfer of this permit.

**7. Air Pollution Nuisance**

The air contaminants emitted by the emissions units covered by this permit shall not cause a public nuisance, in violation of OAC rule 3745-15-07.

**8. Termination of Permit to Install**

This Permit to Install shall terminate within eighteen months of the effective date of the Permit to Install if the owner or operator has not undertaken a continuing program of installation or modification or has not entered into a binding contractual obligation to undertake and complete within a reasonable time a continuing program of installation or modification. This deadline may be extended by up to 12 months if application is made to the Director within a reasonable time before the termination date and the party shows good cause for any such extension.

**9. Construction of New Sources(s)**

The proposed emissions unit(s) shall be constructed in strict accordance with the plans and application submitted for this permit to the Director of the Ohio Environmental Protection Agency. There may be no deviation from the approved plans without the express, written approval of the Agency. Any deviations from the approved plans or the above conditions

may lead to such sanctions and penalties as provided under Ohio law. Approval of these plans does not constitute an assurance that the proposed facilities will operate in compliance with all Ohio laws and regulations. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed sources 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.

**10. Public Disclosure**

The facility is hereby notified that this permit, and all agency records concerning the operation of this permitted source, are subject to public disclosure in accordance with OAC rule 3745-49-03.

**11. Applicability**

This Permit To Install is applicable only to the emissions unit(s) identified in the Permit To Install. Separate Permit To Install for the installation or modification of any other emissions unit(s) are required for any emissions unit for which a Permit To Install is required.

**12. Best Available Technology**

As specified in OAC Rule 3745-31-05, all new sources must employ Best Available Technology (BAT). Compliance with the terms and conditions of this permit will fulfill this requirement.

**13. Source Operation and Operating Permit Requirements After Completion of Construction**

This facility is permitted to operate each source described by this Permit to Install for a period of up to one year from the date the source commenced operation. This permission to operate is granted only if the facility complies with all requirements contained in this

permit and all applicable air pollution laws, 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 emissions unit(s) covered by this permit.

**14. 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.

**15. 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.

**B. 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> |
|------------------|----------------------|
| PE               | 29.69                |

**PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**

**A. 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>  |
|--|--------------------------------------|---|
| F001 - aggregate processing plant with loading, crushing, screening, and conveying (modification of PTI #03-11310 issued on 5/06/03) | OAC rule 3745-31-05 (A)(3)           | 11.61 tons fugitive particulate emissions (PE)/year<br><br>visible PE restrictions (See A.2.g.)<br><br>best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (See A.2.a through A.2.c.) |
|  | OAC rule 3745-17-07 (B)              | See A.2.d.  |
|  | OAC rule 3745-17-08 (B)              | See A.2.e.  |
|  | 40 CFR, Part 60, Subpart OOO         | See A.2.f.<br><br>visible PE restrictions (See A.2.g.)  |

**2. Additional Terms and Conditions**

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

| <u>material handling operation</u> | <u>control measure(s)</u>    |
|------------------------------------|------------------------------|
| loading                            | reduced drop height          |
| crushing and screening             | water application, if needed |
| transfer/conveying                 | water application, if needed |

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

- 2.b** For each material handling operation that is not adequately enclosed, the above-identified control measures 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 measures are necessary to ensure compliance with the above-mentioned applicable requirements. Any required implementation of the control measures shall continue during the operation of the material handling operations until further observation confirms that use of the control measures is unnecessary.
- 2.c** 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.
- 2.d** The requirements of this rule also include compliance with 40 CFR Part 60, Subpart OOO.
- 2.e** This emissions unit is exempt from the visible particulate emission limitations specified in OAC rule 3745-17-07(B) pursuant to OAC rule 3745-17-07(B)(11)(e).
- 2.f** Sylvester Materials is not located within an "Appendix A" area as identified in OAC rule 3745-17-08. Therefore, pursuant to OAC rule 3745-17-08(A), this emissions unit is exempt from the requirements of OAC rule 3745-17-08(B)(1).
- 2.g** Visible emissions from the material processing equipment shall not exceed the following opacity restrictions:

| Emissions Point<br>(Company ID)    | Equipment<br>Type | Opacity Limit as<br>a<br>6-minute<br>average, unless<br>otherwise<br>specified | Regulatory Basis for<br>Limit  |
|------------------------------------|-------------------|--|--------------------------------|
| front-end loader to<br>feeder 7009 | transfer point    | 20%, as a 3-<br>minute average   | OAC rule 3745-31-05            |
| Feeder 7009                        | screen            | 10%  | 40 CFR Part 60, Subpart<br>OOO |
| Feeder to Crusher 1                | transfer point    | 15%  | 40 CFR Part 60, Subpart<br>OOO |
| Crusher 1                          | crusher           | 15%  | 40 CFR Part 60, Subpart<br>OOO |
| Crusher 1 to Conveyor<br>7009      | transfer point    | 15%  | 40 CFR Part 60, Subpart<br>OOO |
| Con. 7009 to Con.<br>8022          | transfer point    | 10%  | 40 CFR Part 60, Subpart<br>OOO |
| Con. 8022 to Con.<br>8023          | transfer point    | 10%  | 40 CFR Part 60, Subpart<br>OOO |
| Con. 8023 to Con.<br>4058          | transfer point    | 10%  | 40 CFR Part 60, Subpart<br>OOO |
| Con. 8039 to Bin                   | transfer point    | 10%  | 40 CFR Part 60, Subpart<br>OOO |
| Front-end loader to<br>Hopper 1    | transfer point    | 20%, as a 3-<br>minute average   | OAC rule 3745-31-05            |
| Hopper 1 to Con. 8057              | transfer point    | 10%  | 40 CFR Part 60, Subpart<br>OOO |
| Con. 8057 to Bin                   | transfer point    | 10%  | 40 CFR Part 60, Subpart<br>OOO |
| Bin to Con. 8040                   | transfer point    | 10%  | 40 CFR Part 60, Subpart<br>OOO |
| Con. 8040 to Screen 1              | transfer point    | 10%  | 40 CFR Part 60, Subpart<br>OOO |

|                            |                |     |                                |
|----------------------------|----------------|-----|--------------------------------|
| Screen 1                   | screen         | 10% | 40 CFR Part 60, Subpart<br>OOO |
| Screen 1 to Con. 7010      | transfer point | 10% | 40 CFR Part 60, Subpart<br>OOO |
| Con. 7010 to Con.<br>8035  | transfer point | 10% | 40 CFR Part 60, Subpart<br>OOO |
| Con. 8035 to Con.<br>8029  | transfer point | 10% | 40 CFR Part 60, Subpart<br>OOO |
| Screen 1 to Crusher 2      | transfer point | 15% | 40 CFR Part 60, Subpart<br>OOO |
| Crusher 2                  | crusher        | 15% | 40 CFR Part 60, Subpart<br>OOO |
| Crusher 2 to Con.<br>7017A | transfer point | 15% | 40 CFR Part 60, Subpart<br>OOO |
| Screen 1 to Con. 8034      | transfer point | 10% | 40 CFR Part 60, Subpart<br>OOO |
| Con. 8034 to Con.<br>8032  | transfer point | 10% | 40 CFR Part 60, Subpart<br>OOO |
| Con. 8034 to Con.<br>8041  | transfer point | 10% | 40 CFR Part 60, Subpart<br>OOO |
| Con. 8041 to Screen 2      | transfer point | 10% | 40 CFR Part 60, Subpart<br>OOO |
| Screen 2                   | screen         | 10% | 40 CFR Part 60, Subpart<br>OOO |
| Screen 2 to Con. 8044      | transfer point | 10% | 40 CFR Part 60, Subpart<br>OOO |
| Con. 8044 to Con.<br>8042  | transfer point | 10% | 40 CFR Part 60, Subpart<br>OOO |
| Screen 2 to Bin            | transfer point | 10% | 40 CFR Part 60, Subpart<br>OOO |
| Bin to Con. 8043           | transfer point | 10% | 40 CFR Part 60, Subpart<br>OOO |
| Con. 8043 to Crusher<br>3  | transfer point | 15% | 40 CFR Part 60, Subpart<br>OOO |

|                           |                |     |                                |
|---------------------------|----------------|-----|--------------------------------|
| Crusher 3                 | crusher        | 15% | 40 CFR Part 60, Subpart<br>OOO |
| Crusher 3 to<br>Con.7017B | transfer point | 15% | 40 CFR Part 60, Subpart<br>OOO |
| Con.7017B to Con.<br>8041 | transfer point | 10% | 40 CFR Part 60, Subpart<br>OOO |
| Screen 2 to Con. 8068     | transfer point | 10% | 40 CFR Part 60, Subpart<br>OOO |
| Con. 8068 to Con.<br>8062 | transfer point | 10% | 40 CFR Part 60, Subpart<br>OOO |
| Con. 8062 to Con.<br>8031 | transfer point | 10% | 40 CFR Part 60, Subpart<br>OOO |
| Screen 2 to Con. 8056     | transfer point | 10% | 40 CFR Part 60, Subpart<br>OOO |
| Con. 8056 to Screen 3     | transfer point | 10% | 40 CFR Part 60, Subpart<br>OOO |
| Screen 3                  | screen         | 10% | 40 CFR Part 60, Subpart<br>OOO |
| Screen 2 to Con. 8055     | transfer point | 10% | 40 CFR Part 60, Subpart<br>OOO |
| Con. 8055 to Con.<br>8068 | transfer point | 10% | 40 CFR Part 60, Subpart<br>OOO |
| Screen 3 to Con. 8033     | transfer point | 10% | 40 CFR Part 60, Subpart<br>OOO |

- 2.h** The application and enforcement of the provisions of NSPS, as promulgated by the United States Environmental Protection Agency, 40 CFR Part 60, are delegated to the Ohio Environmental Protection Agency. The requirements for 40 CFR Part 60 are also federally enforceable.

## B. Operational Restrictions

The maximum annual material throughput for this emission unit shall not exceed 2,000,000 tons. This restriction is based on the material throughput of the feeder.

### **C. Monitoring and/or Recordkeeping Requirements**

1. The permittee shall maintain monthly records of the amount (tons per month and total tons, to date, for the calendar year) of material processed through the feeder of this emissions unit.
2. Except as otherwise provided in this section, for material handling operations that are not adequately enclosed, the permittee shall perform inspections of such operations in accordance with the following minimum frequencies:

| <u>Material Handling Operations</u> | <u>Minimum Inspection Frequency</u> |
|-------------------------------------|-------------------------------------|
| All                                 | Once During Each Day of Operation   |

3. The above-mentioned inspections shall be performed during representative, normal operating conditions.
4. The permittee may, upon receipt of written approval from the appropriate Ohio EPA District Office or local air agency, 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.
5. 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 5.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.

### **D. Reporting Requirements**

1. The permittee shall submit deviation reports, in accordance with the General Terms and Conditions of this permit, 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 written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in 40 CFR, Part 60, Subpart OOO, including the reports of opacity observations using Method 9 to demonstrate compliance with this subpart.
3. The permittee shall submit the following information for each piece of equipment that is replaced by a piece of equipment having the same function as the existing facility:
  - a. for a crusher, grinding mill, bucket elevator, bagging operations, or enclosed truck or railcar loading station:
    - i. the rated capacity, in tons per hour, of the existing facility being replaced, and
    - ii. the rated capacity, in tons per hour, of the replacement equipment;
  - b. for a conveyor belt:
    - i. the width of the existing belt being replaced, and
    - ii. the width of the replacement conveyor belt;
  - c. for a screening operation:
    - i. the total surface area of the top screen of the existing screening operation being replaced, and
    - ii. the total surface area of the top screen of the replacement screening operation

The notification shall be submitted within 30 days after the equipment replacement.

4. Pursuant to the general provisions of NSPS, the source owner/operator is hereby advised of the requirement to report the following at the appropriate times for this emissions unit:
  - a. construction date (no later than 30 days after such date);
  - b. actual start-up date (within 15 days after such date); and
  - c. date of performance testing (if required, at least 30 days prior to testing).

Reports are to be sent to:

Ohio Environmental Protection Agency  
DAPC - Permit Management Unit  
Lazarus Government Center  
P.O. Box 1049  
Columbus, OH 43216-1049

and Ohio EPA, Northwest District Office  
347 North Dunbridge Road  
Bowling Green, OH 43402

5. The permittee shall submit annual reports that identify the amount of material processed through the feeder of this emissions unit, in tons per year. These reports shall be submitted by January 31 of each year and shall cover the previous calendar year.

#### **E. Testing Requirements**

1. The permittee shall conduct, or have conducted, emission testing for all transfer points, screens, and crushers of emissions unit F001.
2. Testing shall be conducted in accordance with the provisions of 40 CFR Part 60, Subpart A, Section 60.8 and 40 CFR Part 60, Subpart OOO, Section 60.675.
3. The emission testing shall be conducted within 60 days after achieving the maximum production rate at which the affected facility will be operated, by not later than 180 days after initial startup of such facility and at such other times as may be required by the Ohio Environmental Protection Agency, Division of Air Pollution Control. The emission testing shall be conducted to demonstrate compliance with the allowable visible emission rates for particulate emissions. (This emissions unit has already been installed and is currently operational. Therefore, the permittee shall conduct emission testing within 90 days after the final issuance of this permit.)
4. The following test methods shall be employed to demonstrate compliance with the allowable visible emissions rates:
  - a. Method 9 of 40 CFR Part 60, Appendix A shall be used to determine opacity.
5. The tests shall be conducted while the emissions unit is operating at its maximum capacity, unless otherwise specified or approved by the Ohio EPA, Division of Air Pollution Control. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Ohio EPA, Division of Air Pollution Control. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operation parameters, the times and dates of the tests, and the person(s) who will be conducting the tests. Failure to submit such notification for review and approval

prior to the tests may result in the Ohio EPA District Office's air agency's refusal to accept the results of the emission tests.

6. Personnel from the Ohio EPA District Office's air agency shall be permitted to witness the test, 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 unit and /or the performance of the control equipment. A comprehensive written report on the emissions tests shall be signed by the person or persons responsible for the tests and submitted to the Ohio EPA Division of Air Pollution Control within 30 days following completion of the tests.
7. Compliance with the emissions limitations specified in Section A.1 of these terms and conditions shall be determined in accordance with the following methods:

- a. Emission Limitation:  
11.61 tons fugitive PE/year

Applicable Compliance Method:

The annual PE limitation was established by multiplying the sum of fugitive PE from the crushing, screening, and transfer operations associated with this emissions unit by the maximum hourly operating rate of 8760 hrs/year, and then dividing by 2000 lbs/ton.

The emission rate was determined as follows:

- i. for each crusher (3), multiply the appropriate emission factor from AP-42 of 0.0012 lb PE/ton processed (Chapter 11.19.2 - 8/04) by the maximum hourly throughput of the crusher;
- ii. for each screen (4), multiply the appropriate emission factor from AP-42 of 0.0022 lb PE/ton processed (Chapter 11.19.2 - 8/04) by the maximum hourly throughput of the screen; and
- iii. for each transfer point (34), multiply the appropriate emission factor from AP-42 of 0.00014 lb PE/ton processed (Chapter 11.19.2 - 8/04) by the maximum hourly throughput of the transfer point.

Provided compliance is shown with the requirements of this permit to apply best available control measures, compliance with the annual PE limitation will be assumed.

- b. Emission Limitation:  
Visible PE shall not exceed 20% opacity, as a 3-minute average during loading operations of the feeder or hopper.

Applicable Compliance Method:

If required, compliance shall be demonstrated using 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, 2002, and the modifications listed in paragraphs (B)(3)(a) and (B)(3)(b) of OAC rule 3745-17-03.

c. Emission Limitation:

The permittee shall not cause to be discharged into the atmosphere from any crusher, at which a capture system is not used, fugitive emissions which exhibit greater than 15% opacity.

Applicable Compliance Method:

Compliance shall be demonstrated using Method 9 of 40 CFR, Part 60, Appendix A, and the procedures in 40 CFR, Part 60, Subpart OOO as specified in Sections E.1 through E.6 above.

d. Emission Limitation:

The permittee shall not cause to be discharged into the atmosphere from any transfer point or screen any fugitive emissions which exhibit greater than 10% opacity.

Applicable Compliance Method:

Compliance shall be demonstrated using Method 9 of 40 CFR, Part 60, Appendix A, and the procedures in 40 CFR, Part 60, Subpart OOO as specified in Sections E.1 through E.6 above.

**F. Miscellaneous Requirements**

PTI # 03-16301 supersedes the requirements of PTI # 03-11310 issued on 5/06/03.

**PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**

**A. 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>  |
|---|--------------------------------------|---|
| F002 - unpaved roadways and parking areas (modification of PTI #03-11310 issued on 5/06/03) | OAC rule 3745-31-05 (A)(3)           | 16.2 tons fugitive particulate emissions (PE)/year<br><br>There shall be no visible PE from any unpaved roadway and parking area except for a period of time not to exceed three minutes during any 60-minute observation period.<br><br>best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (See A.2.b through A.2.g.) |
|   | OAC rule 3745-17-07 (B)              | See A.2.h.  |
|   | OAC rule 3745-17-08 (B)              | See A.2.i.  |

**2. Additional Terms and Conditions**

- 2.a The unpaved roadways and parking areas that are covered by this permit and subject to the above-mentioned requirements are listed below:

All Unpaved Roadways and Parking Areas

- 2.b The permittee shall employ best available control measures on all unpaved roadways and parking areas for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to treat the unpaved roadways and parking areas with speed reduction, good housekeeping practices, watering, resurfacing, and/or chemical stabilization, at sufficient treatment frequencies to ensure

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

- 2.c** The needed frequencies of implementation of the control measures shall be determined by the permittee's inspections pursuant to the monitoring section of this permit. Implementation of the control measures shall not be necessary for an unpaved roadway or parking area 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. Implementation of any control measure may be suspended if unsafe or hazardous driving conditions would be created by its use.
- 2.d** Any unpaved roadway or parking area, which during the term of this permit is paved or takes the characteristics of a paved surface due to the application of certain types of dust suppressants, may be controlled using appropriate dust control measures for paved surfaces. Any unpaved roadway or parking area that takes the characteristics of a paved roadway or parking area due to the application of certain types of dust suppressants shall remain subject to the visible emission limitation for unpaved roadways and parking areas. Any unpaved roadway or parking area that is paved shall be subject to a visible emission limitation of no visible particulate emissions except for one minute during any 60-minute period.
- 2.e** The permittee shall promptly remove, in such a manner as to minimize or prevent resuspension, earth and/or other material from paved streets onto which such material has been deposited by trucking or earth moving equipment or erosion by water or other means.
- 2.f** Open-bodied vehicles transporting materials likely to become airborne shall have such materials covered at all times if the control measure is necessary for the materials being transported.
- 2.g** Implementation of the above-mentioned control measures in accordance with the terms and conditions of this permit is appropriate and sufficient to satisfy the best available technology requirements of OAC rule 3745-31-05.
- 2.h** This emissions unit is exempt from the visible particulate emission limitations specified in OAC rule 3745-17-07(B) pursuant to OAC rule 3745-17-07(B)(11)(e).
- 2.i** Sylvester Materials is not located within an "Appendix A" area as identified in OAC rule 3745-17-08. Therefore, pursuant to OAC rule 3745-17-08(A), this emissions unit is exempt from the requirements of OAC rule 3745-17-08(B)(1).

**B. Operational Restrictions**

None

### C. Monitoring and/or Recordkeeping Requirements

1. Except as otherwise provided in this section, the permittee shall perform inspections of the unpaved roadways and parking areas in accordance with the following frequencies:

| <u>Unpaved Roadways and Parking Areas</u> | <u>Minimum Inspection Frequency</u> |
|---|-------------------------------------|
| All                                       | Once during each day of operation   |

2. The purpose of the inspections is to determine the need for implementing the above-mentioned control measures. The inspections shall be performed during representative, normal traffic conditions. No inspection shall be necessary for a roadway 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. 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.
3. The permittee may, upon receipt of written approval from the appropriate Ohio EPA District Office or local air agency, 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, 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 the total number of days where snow and/or ice cover or precipitation were sufficient to not require the control measures.

The information required in 4.d shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

### D. Reporting Requirements

1. The permittee shall submit deviation reports, in accordance with the General Terms and Conditions of this permit, 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.

## **E. Testing Requirements**

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

- a. Emission Limitation:  
16.2 tons fugitive PE/year

Applicable Compliance Method:

This emission limitation was developed by applying a 90% control efficiency to a maximum potential uncontrolled emission rate of 162 tons per year fugitive PE. The maximum potential uncontrolled emission rate was calculated using an AP-42 emission factor of 5.98 lbs PE/vehicle mile traveled (VMT) (Chapter 13.2.2.2 - 12/03) by the maximum VMT of 54,000 miles/year.

Provided compliance is shown with the requirements of this permit to apply best available control measures, compliance with the annual PE limitation will be assumed.

- b. Emission Limitation:  
There shall be no visible PE from any unpaved roadway or parking area except for a period of time not to exceed three minutes during any 60-minute observation period.

Applicable Compliance Method:

Compliance with the visible emission limitation specified above 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, 2002, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(d) of OAC rule 3745-17-03.

## **F. Miscellaneous Requirements**

PTI # 03-16301 supersedes the requirements of PTI # 03-11310 issued on 5/06/03.

**PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**

**A. Applicable Emissions Limitations and/or Control Requirements**

- The specific operations(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

| Operations, Property,<br>and/or Equipment  | Applicable Rules/Requirements | Applicable Emissions<br>Limitations/Control Measures  |
|--|-------------------------------|---|
| F003 - material storage piles<br>(modification of PTI #03-11310<br>issued on 5/06/03)                | OAC rule 3745-31-05 (A)(3)    | 1.88 tons fugitive particulate<br>emissions (PE)/yr   |
| load-in and load-out of storage<br>piles (See Section A.2.a for<br>identification of storage piles.) | OAC rule 3745-31-05 (A)(3)    | There shall be no visible PE,<br>except for a period of time not to<br>exceed one minute during any 60-<br>minute observation period.                     |
| wind erosion from storage piles<br>(See Section A.2.a for<br>identification of storage piles.)       | OAC rule 3745-17-07 (B)       | best available control measures<br>that are sufficient to minimize or<br>eliminate visible emissions of<br>fugitive dust (See A.2.b, A.2.c<br>and A.2.f.) |
|  | OAC rule 3745-17-08 (B)       | See A.2.g.  |
|  | OAC rule 3745-31-05 (A)(3)    | See A.2.h.<br><br>There shall be no visible PE,<br>except for a period of time not to<br>exceed one minute during any 60-<br>minute observation period.   |
|  | OAC rule 3745-17-07 (B)       | best available control measures<br>that are sufficient to minimize or<br>eliminate visible emissions of<br>fugitive dust (See A.2.d through<br>A.2.f.)    |
|  | OAC rule 3745-17-07 (B)       | See A.2.g.  |
|  | OAC rule 3745-17-08 (B)       | See A.2.h.  |

## **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 all the aggregate piles of crushed limestone (various gradations) located at the facility.
- 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 permit application, the permittee has committed to watering as needed and to reduce drop heights 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 measures 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 measures are necessary to ensure compliance with the above-mentioned applicable requirements. Any required implementation of the control measures shall continue during any such operation until further observation confirms that use of the measures 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 permit application, the permittee has committed to watering, as needed and to maintain as low of a pile height as possible 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 measures 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 measures are necessary to ensure compliance with the above-mentioned applicable requirements. Implementation of the control measures 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.
- 2.g** This emissions unit is exempt from the visible particulate emission limitations specified in OAC rule 3745-17-07(B) pursuant to OAC rule 3745-17-07(B)(11)(e).

- 2.h** Sylvester Materials is not located within an "Appendix A" area as identified in OAC rule 3745-17-08. Therefore, pursuant to OAC rule 3745-17-08(A), this emissions unit is exempt from the requirements of OAC rule 3745-17-08(B)(1).

**B. Operational Restrictions**

None

**C. 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:

| <u>Storage Pile Identification</u> | <u>Minimum Load-In Inspection Frequency</u> |
|------------------------------------|---|
| All Storage Piles                  | Once during each day of 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:

| <u>Storage Pile identification</u> | <u>Minimum Load-Out Inspection Frequency</u> |
|------------------------------------|--|
| All Storage Piles                  | Once during each day of 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:

| <u>Storage Pile Identification</u> | <u>Minimum Wind Erosion Inspection Frequency</u> |
|------------------------------------|--|
| All Storage Piles                  | Once during each day of 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 appropriate Ohio EPA District Office or local air agency, 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.

#### **D. Reporting Requirements**

1. The permittee shall submit deviation reports, in accordance with the General Terms and Conditions of this permit, 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.

#### **E. Testing Requirements**

1. Compliance with the emission limitations specified in Section A.1 of the terms and conditions of this permit shall be determined in accordance with the following methods:
  - a. Emission Limitation:  
1.88 tons fugitive PE/year

Applicable Compliance Method:

The annual limitation was developed by summing the total emissions from the load-in operations, load-out operations, and wind erosion, and then dividing by 2000 lbs/ton.

The emission rate was determined as follows:

- i. for load-in operations, multiply the emission factor developed from AP-42 of 0.003 lb PE/ton stone processed (Chapter 13.2.4 - 1/95) by the maximum, annual load-in rate of 2,000,000 tons, and then multiply by a control factor of  $(1 - 0.9)^*$ ;
- ii. for load-out operations, multiply the emission factor developed from AP-42 of 0.003 lb PE/ton stone processed (Chapter 13.2.4 - 1/95) by the maximum, annual load-out rate of 2,000,000 tons, and then multiply by a control factor of  $(1 - 0.9)^*$ ; and
- iii. for wind erosion, multiply the emissions factor developed from USEPA's Control of Open Fugitive Dust Sources (9/98) of 7.03 lbs PE/day/acre by 365 days/year, and a maximum surface area of 10 acres, and then multiply by a control factor of  $(1 - 0.9)^*$ .

Provided compliance is shown with the requirements of this permit to apply best available control measures, compliance with the annual PE limitation will be assumed.

b. Emission Limitation:

There shall be no visible PE, except for a period of time not to exceed one minute during any 60-minute observation period, from the load-in and load-out operations of the storage piles

Applicable Compliance Method:

Compliance with the visible emission limitations for the storage piles identified above 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, 2002, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(c) of OAC rule 3745-17-03.

c. Emission Limitation:

There shall be no visible PE, except for a period of time not to exceed one minute during any 60-minute observation period, from wind erosion of the storage piles.

**Sylvester Material Company, Inc.**

**PTI Application: 03-16301**

**Issued: 8/2/2005**

**Facility ID: 036200012**

**Emissions Unit ID: F003**

Applicable Compliance Method:

Compliance with the visible emission limitation for the storage piles identified above 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, 2002, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(c) of OAC rule 3745-17-03.

**F. Miscellaneous Requirements**

PTI # 03-16301 supersedes the requirements of PTI # 03-11310 issued on 5/06/03.