



State of Ohio Environmental Protection Agency

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

**CERTIFIED MAIL**

Street Address:

50 West Town Street, Suite 700

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

Mailing Address:

Lazarus Gov. Center  
P.O. Box 1049

**Application No: 01-12213**

**Fac ID: 0125133100**

**DATE: 3/18/2008**

South High Street Compost Facility  
Jerry Bennett  
2850 Rohr Road  
Groveport, OH 43215

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 of the Director is final and may be appealed to the Environmental Review Appeals Commission pursuant to Section 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. The appeal must be filed with the Commission within thirty (30) days after notice of the Director's action. The appeal must be accompanied by a filing fee of \$70.00 which the Commission, in its discretion, may reduce if by affidavit you demonstrate that payment of the full amount of the fee would cause extreme hardship. Notice of the filing of the appeal shall be filed with the Director within three (3) days of filing with the Commission. Ohio EPA requests that a copy of the appeal be served upon the Ohio Attorney General's Office, Environmental Enforcement Section. 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, OH 43215

Sincerely,

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

CC: USEPA

CDO



STATE OF OHIO ENVIRONMENTAL PROTECTION AGENCY

**Permit To Install**

**FINAL PERMIT TO INSTALL 01-12213**

Application Number: 01-12213  
Facility ID: 0125133100  
Permit Fee: **\$3000**  
Name of Facility: South High Street Compost Facility  
Person to Contact: Jerry Bennett  
Address: 2850 Rohr Road  
Groveport, OH 43215

Location of proposed air contaminant source(s) [emissions unit(s)]:  
**6440 South High Street**  
**Lockbourne, Ohio**

Description of proposed emissions unit(s):  
**Fuel burning.**

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



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Chris Korleski  
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 (i.e., postmarked) quarterly 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

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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)**

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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.

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**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>
NOx	12.7
CO	2.8
SOx	0.8
VOC	1.0
PM <sub>10</sub>	30.9

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**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.

**Operations, Property, and/or Equipment - (P001) - Star powerscreen w/192 hp diesel engine**

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
<b>Star screener</b>	
OAC rule 3745-31-05(C) (Voluntary restriction to avoid BAT applicability)	Particulate emissions (PE) from material handling shall not exceed 10 tons PM <sub>10</sub> /yr, based on a rolling, 12-month summation.  See section B.2 below.
OAC rule 3745-17-07(B)(1)	Visible PE of fugitive dust from material handling shall not exceed 20 percent opacity, as a 3-minute average.
OAC rule 3745-17-08(B)(6)	See sections A.2.a and A.2.b below.
OAC rule 3745-31-05(A)(3)(b)	See section A.2.d below.
3745-31-03(A)(1)(p)(i)	See section F.1 below.
<b>192 hp diesel engine</b>	

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OAC rule 3745-31-05(C) (Voluntary restrictions to avoid BAT applicability)	<p>PM<sub>10</sub> shall not exceed 0.52 ton, based on a rolling, 12-month summation.</p> <p>NOx emissions shall not exceed 7.43 tons, based on a rolling, 12-month summation.</p> <p>CO emissions shall not exceed 1.68 ton, based on a rolling, 12-month summation.</p> <p>SO<sub>2</sub> emissions shall not exceed 0.48 ton, based on a rolling, 12-month summation.</p> <p>OC emissions shall not exceed 0.6 ton, based on a rolling, 12-month summation.</p> <p>See sections A.2.c and B.1 and B.2 below.</p> <p>Compliance with this rule also includes compliance with OAC rule 3745-17-11(B)(5)(a) and OAC rule 3745-17-07(A).</p>
OAC rule 3745-17-11 (B)(5)(a)	PE from the diesel engine exhaust shall not exceed 0.31 lb PE/mmBtu of actual heat input.
OAC rule 3745-17-07 (A)	Visible PE from the diesel engine exhaust stack shall not exceed 20% opacity as a 6-minute average, except as provided by rule.
OAC rule 3745-18-06(G)	Exempt, pursuant to OAC rule 3745-18-06(B) because rated heat input capacity is less than 10 mmBtu/hr.
OAC rule 3745-31-05(A)(3)(b)	See section A.2.d below.

## 2. Additional Terms and Conditions

- 2.a** The material handling operation that is covered by this permit and subject to the above-mentioned requirements are listed below:

Screen  
Conveyor stacker

- 2.b** For each material handling operation that is not adequately enclosed, the application of a water spray shall be implemented if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this

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permit, that the control measure is 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 measure 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 3745-17-07(B).
- 2.d** The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to either the fugitive PM and PM<sub>10</sub> emissions from material handling or the engine exhaust for PM, PM<sub>10</sub>, OC, CO, NOx and SO<sub>2</sub> emissions from this air contaminant source since the calculated annual emissions rate for the PM, PM<sub>10</sub>, OC, CO, NOx and SO<sub>2</sub> are less than 10 tons per year taking into account the federally enforceable rule limit of OAC rule 3745-31-05(C) under the SIP rule.
- 2.e** All particulate emissions (PE) are considered PM<sub>10</sub>.

## B. Operational Restrictions

- The permittee shall only burn No. 2 or diesel fuel, containing no greater than 0.5% sulfur by weight, in this emissions unit.
- The permittee has requested limitation on the annual operating hours for purposes of limiting potential to emit to avoid BAT applicability. Therefore, the maximum annual usage, for emissions unit P001, shall not exceed 2,500 hours based upon a rolling 12-month summation. To ensure enforceability during the first 12 calendar months of operation following the issuance of this permit, the permittee shall not exceed the maximum cumulative usage (in hours) as specified in the following table:

<u>Month(s)</u>	<u>Maximum Cumulative Usage (in hours)</u>
1	300
1-2	600
1-3	900
1-4	1,200
1-5	1,500

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1-6	1,800
1-7	2,100
1-8	2,400
1-9	2,500
1-10	2,500
1-11	2,500
1-12	2,500

After the first 12 calendar months of operation following the startup of emissions unit P001, compliance with the annual operating hours limitation shall be based upon a rolling, 12-month summation of the cumulative hours of operation.

**C. Monitoring and Recordkeeping Requirements**

1. For each day during which the permittee burns a fuel other than No. 2 fuel oil or diesel fuel containing no greater than 0.5% sulfur by weight in this emissions unit, the permittee shall maintain a record of the type and quantity of fuel burned.
2. The permittee shall maintain monthly records of the following information:
  - a. The total number of hours of operation during each month.
  - b. During the first 12 calendar months of operation following the issuance of this permit, the cumulative number of hours of operation, calculated by adding the current month's number of hours of operation to the number of hours of operation for each calendar month since the issuance of this permit.
  - c. Beginning after the first 12 calendar months of operation following the issuance of this permit, the rolling, 12-month summation of the maximum number of hours of operation, calculated by adding the current month's number of hours of operation to the number of hours of operation for the preceding eleven calendar months.
3. 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

minimum inspection frequency

Screen  
Conveyor stacker

Daily, when operating  
Daily, when operating

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

4. The permittee may, upon receipt of written approval from the Ohio EPA Central District Office, 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 measures;
  - c. the dates the control measure was implemented;
  - d. on a calendar quarter basis, the total number of days the control measure was implemented.

**D. Reporting Requirements**

1. The permittee shall submit semiannual written reports that (a) identify all days during which any visible emissions of fugitive dust were observed from this emissions unit and (b) describe any corrective actions taken to minimize or eliminate the visible emissions. These reports shall be submitted to the Director (Central EPA District Office) by January 31 and July 31 of each year and shall cover the previous 6-month periods.
2. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the rolling, 12-month operating hours limitation and, for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative operating hours levels.

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

3. The permittee shall submit deviation (excursion) reports for each day when a fuel other than 0.5% sulfur diesel fuel was burned in this emissions unit. This report shall be submitted within 30 days after the deviation occurred.

**E. Testing Requirements**

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

- a. Emission Limitations:

Visible PE of fugitive dust from material handling shall not exceed 20 percent opacity, as a 3-minute average.

Applicable Compliance Method:

If required, compliance shall be determined through visible emission observations performed 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)(4)(a) through (B)(4)(d) of OAC rule 3745-17-03.

- b. Emissions Limitation:

PE from material handling shall not exceed 10 tons/yr, based on a rolling, 12-month summation.

Applicable Compliance Method:

Compliance with the annual emissions limitation may be verified from record keeping in section C.2.b or c, from which the current cumulative operating hours shall be multiplied by the maximum hourly process weight rate of 40 tons (100 yds mulch) multiplied by an emission factor of 0.58 lbs PM<sub>10</sub>/ton mulch multiplied by the control efficiency (1 - 0.65)) and divided by 2,000 lbs/ton.

- c. Emissions Limitations:

PM<sub>10</sub> emission shall not exceed 052 ton/yr, based on a rolling, 12-month summation

NOx emission shall not exceed 7.43 tons/yr, based on a rolling 12-month summation;

CO emissions shall not exceed 1.68 tons/yr; based on a rolling, 12-month summation.

SO2 emissions shall not exceed 0.48 ton/y, based on a rolling, 12-month summation;

OC emissions shall not exceed 0.60 ton/yr, based on a rolling, 12-month summation;

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**Applicable Compliance Method:**

Compliance with the annual emission limitations shall be based on record keeping in section C.2.b or c, from which the current cumulative operating hours shall be multiplied by the emission factors in the U.S. EPA's Fire database under SCC 2-02-001-02 in AP-42 Chapter 3.3.-1 multiplied by the horsepower rating.

If required, the permittee shall demonstrate compliance with the emission factors using Methods 1 through 4 and 5, 7, 10 6 and 25a of 40 CFR, Part 60, Appendix A using the methods and procedures specified in OAC rule 3745-18-04(E) and (F). Alternative U.S. EPA approved test methods may be used with prior written approval from the Ohio EPA.

**d. Emission Limitation:**

PE from the engine exhaust shall not exceed 0.31 lb PM/mmBtu actual heat input

**Applicable Compliance Method:**

Compliance shall be determined based on the emission factor of 0.0022 lb PM<sub>10</sub>/hp-hr (SCC 2-02-001-02) specified in the U.S. EPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.3, Table 3.3-1 (10/96) multiplied the engine rating (192 hp-hr) by the 2545.1 btu-hr/hp conversion factor.

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in OAC rule 3745-17-03(B)(10).

**e. Emission Limitation:**

Visible PE from the engine exhaust stack shall not exceed 20% opacity, as a six-minute average.

**Applicable Compliance Method:**

If required, compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A. Method 9 and the procedures are specified in OAC rule 3745-17-03(B)(1).

**F. Miscellaneous Requirements**

1. At the discretion and following the approval of the director, the permittee may relocate

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the portable source within the State of Ohio without first obtaining a permit to install (PTI) providing the appropriate notification and exemption requirements have been met. The director may issue a "Notice of Site Approval" through either of the following scenarios:

- a. If future location(s) of the proposed portable source are unknown, the approval to relocate the portable source shall be in accordance with OAC rule 3745-31-03(A)(1)(p)(i) and the following criteria shall be met:
  - i. the portable source has been issued a permit to install (PTI) and the permittee continues to comply with any applicable best available technology (BAT) determination;
  - ii. the portable source is operating pursuant to a currently effective PTI and/or a current permit to operate (PTO) and continues to comply with the requirements of the permit and any applicable state and/or federal rules;
  - iii. the permittee has provided a minimum of 30 days notice of the intent to relocate the portable source to the permitting authority (the Ohio EPA District Office or local air agency that has issued the effective current permit) prior to the scheduled relocation;
  - iii. the Ohio EPA district office or local air agency having jurisdiction over the new site has determined that the permitted emissions would not cause a nuisance in violation of OAC rule 3745-15-07 and that the relocation of the portable source, along with any supporting permitted emissions (e.g. roadways or storage piles), would not result in the installation of a major stationary source or a modification of an existing major stationary source at the new site; and
  - iv. the director has issued a "Notice of Site Approval", stating that the proposed site is acceptable under OAC rule 3745-15-07 and the relocation will not result in the installation of a major stationary source or a modification of an existing major stationary source.

The portable source can be relocated upon receipt of the director's "Notice of Site Approval" for the site; **or**

- b. Pursuant to OAC rule 3745-31-03(A)(1)(p)(ii), the director may issue a "Notice of Site Approval" for any pre-disclosed location(s) if the portable source meets the

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requirements of OAC rule 3745-31-05(E), as follows:

- i. the portable source has been issued a permit to install (PTI) and the permittee continues to comply with any applicable best available technology (BAT) determination;
- ii. the portable source is operating pursuant to a currently effective PTI and/or a current permit to operate (PTO) and continues to comply with the requirements of the permit and any applicable state and/or federal rules;
- iii. the permittee has identified the proposed site(s) to the permitting District Office or local air agency;
- iv. the permitting District Office/local air agency and the District Office/Local air agency having jurisdiction over the new site have determined that the portable source will have an acceptable environmental impact at the proposed site(s);
- v. a public notice, meeting the requirements OAC rule 3745-47, is published in the county where the proposed site(s) is/are located;
- vi. the owner of the proposed site(s) (if not the permittee) has provided the portable source owner with approval, or an equivalent declaration, that it is acceptable to move the portable source to the proposed site(s); and
- vii. the permittee has provided the Ohio EPA with a minimum of a 15-day written notice of the relocation.

The portable source can be relocated upon receipt of the director's "Notice of Site Approval" for the site. Any site approval(s) issued by the Ohio EPA, pursuant to OAC rule 3745-31-03(A)(1)(p)(ii), shall be valid for no longer than 3 years and are subject to renewal. Pursuant to OAC rule 3745-31-05(F), the director may modify the site approval to add or delete certain portable sources or add or delete certain terms and conditions as appropriate.

2. If the relocation of the portable source would result in the installation of a major source or the modification of a major source, as defined in OAC rule 3745-31-01, the permittee shall submit an application and obtain a PTI for the new location prior to moving the portable source.

When a portable source is located at a stationary source or at a site with multiple

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portable sources, the potential emissions of the portable source may be required to be added to that of the facility, in order to determine the potential to emit for Title V and PSD applicability. Relocation of any portable source that results in the creation of a major source, as defined in OAC rule 3745- 77-01, must also meet all applicable requirements under the Title V program contained in OAC rule 3745-77, which may include the requirement to apply for a Title V permit.

The "Notice of Intent to Relocate" shall be submitted to the Ohio EPA District Office or local air agency responsible for issuing the permits for the portable source. Upon receipt of the notice, the permitting office shall notify the appropriate Ohio EPA District Office or local air agency having jurisdiction over the new site. Failure to submit said notification or failure to receive Ohio EPA approval prior to relocation of the portable source may result in fines and civil penalties.

[3745-31-03(A)(1)(p)(i)], [3745-31-03(A)(1)(p)(ii)], and [3745-31-05(E)]

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

**A. Applicable Emissions Limitations and, based on aor Control Requirements**

1. The specific operations(s), property, and, based on aor equipment which constitute this emissions unit are listed in the following table along with the applicable rules and, based on aor requirements and with the applicable emissions limitations and, based on aor 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, based on aor Equipment - (P002) - Color machine w/45 hp diesel engine**

Applicable Rules, based on aRequirements	Applicable Emissions Limitations, based on aControl Measures
<b>Color machine</b>	
OAC rule 3745-31-05(A)(3) (Voluntary restriction to avoid BAT applicability)	PE from material handling shall not exceed 10 tons PM <sub>10</sub> /yr, based on a rolling, 12-month summation.  See section B.2 below.
OAC rule 3745-17-07(B)(1)	Visible PE of fugitive dust from material handling shall not exceed 20 percent opacity, as a 3-minute average.
OAC rule 3745-17-08(B)(6)	See section A.2.a and A.2.b below.
OAC rule 3745-31-05(A)(3)(b)	See section A.2.d below.
3745-31-03(A)(1)(p)(i)	See section F.1 below.
<b>45 hp diesel engine</b>	

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OAC rule 3745-31-05(C) (Voluntary restrictions to avoid BAT applicability)	<p>PM<sub>10</sub> shall not exceed 0.12 ton/yr, based on a rolling, 12-month summation.</p> <p>NOx emissions shall not exceed 1.75 tons/yr, based on a rolling, 12-month summation.</p> <p>CO emissions shall not exceed 0.38 ton/yr, based on a rolling, 12-month summation.</p> <p>SO<sub>2</sub> emissions shall not exceed 0.11 ton/yr, based on a rolling, 12-month summation.</p> <p>OC emissions shall not exceed 0.13 ton/yr, based on a rolling, 12-month summation.</p> <p>See sections B.1 and B.2 below.</p> <p>Compliance with this rule also includes compliance with OAC rule 3745-17-11(B)(5)(b) and OAC rule 3745-17-07(A).</p>
OAC rule 3745-17-11 (B)(5)(a)	PE from the diesel engine exhaust shall not exceed 0.31 lb PE/mmBtu of actual heat input.
OAC rule 3745-17-07 (A)	Visible PE from the diesel engine exhaust stack shall not exceed 20% opacity as a 6-minute average, except as provided by rule.
OAC rule 3745-18-06(G)	Exempt, pursuant to OAC rule 3745-18-06(B) because rated heat input capacity is less than 10 mmBtu/hr.
OAC rule 3745-31-05(A)(3)(b)	See section A.2.d below.

## 2. Additional Terms and Conditions

- 2.a** The material handling operation that is covered by this permit and subject to the above-mentioned requirements are listed below:

Blender  
Conveyor stacker

- 2.b** For each material handling operation that is not adequately enclosed, the application of a water spray shall be implemented if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this

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permit, that the control measure is 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 measure 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 3745-17-07(B).
- 2.d** The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to either the fugitive PM and PM<sub>10</sub> emissions from material handling or the engine exhaust for PM, PM<sub>10</sub>, OC, CO, NO<sub>x</sub> and SO<sub>2</sub> emissions from this air contaminant source since the calculated annual emissions rate for the engine exhaust for PM, PM<sub>10</sub>, OC, CO, NO<sub>x</sub> and SO<sub>2</sub> are less than 10 tons per year taking into account the federally enforceable rule limit of OAC rule 3745-31-05(C) under the SIP rule.
- 2.e** All particulate emissions (PE) are considered PM<sub>10</sub>.

## B. Operational Restrictions

- The permittee shall only burn No. 2 or diesel fuel, containing no greater than 0.5% sulfur by weight, in this emissions unit.
- The permittee has requested limitation on the annual operating hours for purposes of limiting potential to emit to avoid BAT applicability. Therefore, the maximum annual usage, for emissions unit P002, shall not exceed 2,500 hours based upon a rolling 12-month summation. To ensure enforceability during the first 12 calendar months of operation following the issuance of this permit, the permittee shall not exceed the maximum cumulative usage (in hours) as specified in the following table:

<u>Month(s)</u>	<u>Maximum Cumulative Usage (in hours)</u>
1	300
1-2	600
1-3	900
1-4	1,200
1-5	1,500

1-6	1,800
1-7	2,100
1-8	2,400
1-9	2,500
1-10	2,500
1-11	2,500
1-12	2,500

After the first 12 calendar months of operation following the startup of emissions unit P002, compliance with the annual operating hours limitation shall be based upon a rolling, 12-month summation of the cumulative hours of operation.

### C. Monitoring and Recordkeeping Requirements

1. For each day during which the permittee burns a fuel other than No. 2 fuel oil or diesel fuel containing no greater than 0.5% sulfur by weight in this emissions unit, the permittee shall maintain a record of the type and quantity of fuel burned.
2. The permittee shall maintain monthly records of the following information:
  - a. The total number of hours of operation during each month.
  - b. During the first 12 calendar months of operation following the issuance of this permit, the cumulative number of hours of operation, calculated by adding the current month's number of hours of operation to the number of hours of operation for each calendar month since the issuance of this permit.
  - c. Beginning after the first 12 calendar months of operation following the issuance of this permit, the rolling, 12-month summation of the maximum number of hours of operation, calculated by adding the current month's number of hours of operation to the number of hours of operation for the preceding eleven calendar months.
3. 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

minimum inspection frequency

Blender

Daily, when operating

Conveyor stacker

Daily, when operating

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

4. The permittee may, upon receipt of written approval from the Ohio EPA Central District Office, 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 measures;
  - c. the dates the control measure was implemented;
  - d. on a calendar quarter basis, the total number of days the control measure was implemented.

**D. Reporting Requirements**

1. The permittee shall submit semiannual written reports that (a) identify all days during which any visible emissions of fugitive dust were observed from this emissions unit and (b) describe any corrective actions taken to minimize or eliminate the visible emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month periods.
2. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the rolling, 12-month operating hours limitation and, for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative operating hours levels; and

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

3. The permittee shall submit deviation (excursion) reports for each day when a fuel other than 0.5% sulfur diesel fuel was burned in this emissions unit. This report shall be

submitted within 30 days after the deviation occurred.

## E. Testing Requirements

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

- a. Emission Limitations:

Visible particulate emissions (PE) of fugitive dust from material handling shall not exceed 20 percent opacity, as a 3-minute average.

Applicable Compliance Method:

If required, compliance shall be determined through visible emission observations performed 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)(4)(a) through (B)(4)(d) of OAC rule 3745-17-03.

- b. Emissions Limitation:

PE from material handling shall not exceed 10 tons PM<sub>10</sub>/yr, based on a rolling, 12-month summation.

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Applicable Compliance Method:

Compliance with the annual emissions limitation may be verified from record keeping in section C.2.b or c, from which the current cumulative operating hours shall be multiplied by the maximum hourly process weight rate of 40 tons (100 yds mulch) multiplied by an emission factor of 0.58 lbs<sub>PM10</sub> /ton mulch multiplied by the control efficiency (1 - 0.65)) and divided by 2,000 lbs/ton.

c. Emission Limitations:

PM<sub>10</sub> shall not exceed 0.12 ton/yr, based on a rolling, 12-month summation  
NO<sub>x</sub> emissions shall not exceed 1.75 tons/yr, based on a rolling, 12-month summation;  
CO emissions shall not exceed 0.38 ton/yr, based on a rolling, 12-month summation;  
SO<sub>2</sub> emissions shall not exceed 0.11 ton/yr, based on a rolling, 12-month summation; and  
OC emissions shall not exceed 0.13 ton/yr, based on a rolling, 12-month summation.

Applicable Compliance Method:

Compliance with the annual emission limitations shall be based on record keeping in section C.2.b or c, from which the current cumulative operating hours shall be multiplied by the emission factors in the U.S. EPA's Fire database under SCC 2-02-001-02 in AP-42 Chapter 3.3.-1 multiplied by the horsepower rating.

If required, the permittee shall demonstrate compliance with the emission factors using Methods 1 through 4 and 5, 7, 10, 6, and 25a of 40 CFR, Part 60, Appendix A using the methods and procedures specified in OAC rule 3745-18-04(E) and (F). Alternative U.S. EPA approved test methods may be used with prior written approval from the Ohio EPA.

d. Emission Limitation:

PE from the engine exhaust shall not exceed 0.31 lb PM/MMBTU actual heat input

Applicable Compliance Method:

Compliance shall be determined based on the emission factor of 0.0022 lb PM<sub>10</sub>/hp-hr (SCC 2-02-001-02) specified in the U.S. EPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.3, Table 3.3-1 (10/96) multiplied the engine rating (45 hp-hr) multiplied by the

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2545.1 btu-hr/hp conversion factor multiplied by  $10^{-6}$ /MM.

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in OAC rule 3745-17-03(B)(10).

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- e. Emission Limitation:  
Visible PE from the engine exhaust stack shall not exceed 20% opacity, as a six-minute average.

Applicable Compliance Method:

If required, compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A. Method 9 and the procedures are specified in OAC rule 3745-17-03(B)(1).

## **F. Miscellaneous Requirements**

- 1. At the discretion and following the approval of the director, the permittee may relocate the portable source within the State of Ohio without first obtaining a permit to install (PTI) providing the appropriate notification and exemption requirements have been met. The director may issue a "Notice of Site Approval" through either of the following scenarios:
  - a. If future location(s) of the proposed portable source are unknown, the approval to relocate the portable source shall be in accordance with OAC rule 3745-31-03(A)(1)(p)(i) and the following criteria shall be met:
    - i. the portable source has been issued a permit to install (PTI) and the permittee continues to comply with any applicable best available technology (BAT) determination;
    - ii. the portable source is operating pursuant to a currently effective PTI and/or a current permit to operate (PTO) and continues to comply with the requirements of the permit and any applicable state and/or federal rules;
    - iii. the permittee has provided a minimum of 30 days notice of the intent to relocate the portable source to the permitting authority (the Ohio EPA District Office or local air agency that has issued the effective current permit) prior to the scheduled relocation;
    - iii. the Ohio EPA district office or local air agency having jurisdiction over the new site has determined that the permitted emissions would not cause a nuisance in violation of OAC rule 3745-15-07 and that the relocation of the portable source, along with any supporting permitted emissions (e.g. roadways or storage piles), would not result in the installation of a major stationary source or a modification of an existing major stationary source

at the new site; and

- iv. the director has issued a "Notice of Site Approval", stating that the proposed site is acceptable under OAC rule 3745-15-07 and the relocation will not result in the installation of a major stationary source or a modification of an existing major stationary source.

The portable source can be relocated upon receipt of the director's "Notice of Site Approval" for the site; **or**

- b. Pursuant to OAC rule 3745-31-03(A)(1)(p)(ii), the director may issue a "Notice of Site Approval" for any pre-disclosed location(s) if the portable source meets the requirements of OAC rule 3745-31-05(E), as follows:
  - i. the portable source has been issued a permit to install (PTI) and the permittee continues to comply with any applicable best available technology (BAT) determination;
  - ii. the portable source is operating pursuant to a currently effective PTI and/or a current permit to operate (PTO) and continues to comply with the requirements of the permit and any applicable state and/or federal rules;
  - iii. the permittee has identified the proposed site(s) to the permitting District Office or local air agency;
  - iv. the permitting District Office/local air agency and the District Office/Local air agency having jurisdiction over the new site have determined that the portable source will have an acceptable environmental impact at the proposed site(s);
  - v. a public notice, meeting the requirements OAC rule 3745-47, is published in the county where the proposed site(s) is/are located;
  - vi. the owner of the proposed site(s) (if not the permittee) has provided the portable source owner with approval, or an equivalent declaration, that it is acceptable to move the portable source to the proposed site(s); and
  - vii. the permittee has provided the Ohio EPA with a minimum of a 15-day written notice of the relocation.

The portable source can be relocated upon receipt of the director's "Notice of

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Site Approval" for the site. Any site approval(s) issued by the Ohio EPA, pursuant to OAC rule 3745-31-03(A)(1)(p)(ii), shall be valid for no longer than 3 years and are subject to renewal. Pursuant to OAC rule 3745-31-05(F), the director may modify the site approval to add or delete certain portable sources or add or delete certain terms and conditions as appropriate.

2. If the relocation of the portable source would result in the installation of a major source or the modification of a major source, as defined in OAC rule 3745-31-01, the permittee shall submit an application and obtain a PTI for the new location prior to moving the portable source.

When a portable source is located at a stationary source or at a site with multiple portable sources, the potential emissions of the portable source may be required to be added to that of the facility, in order to determine the potential to emit for Title V and PSD applicability. Relocation of any portable source that results in the creation of a major source, as defined in OAC rule 3745- 77-01, must also meet all applicable requirements under the Title V program contained in OAC rule 3745-77, which may include the requirement to apply for a Title V permit.

The "Notice of Intent to Relocate" shall be submitted to the Ohio EPA District Office or local air agency responsible for issuing the permits for the portable source. Upon receipt of the notice, the permitting office shall notify the appropriate Ohio EPA District Office or local air agency having jurisdiction over the new site. Failure to submit said notification or failure to receive Ohio EPA approval prior to relocation of the portable source may result in fines and civil penalties.

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

**A. Applicable Emissions Limitations and, based on aor Control Requirements**

1. The specific operations(s), property, and, based on aor equipment which constitute this emissions unit are listed in the following table along with the applicable rules and, based on aor requirements and with the applicable emissions limitations and, based on aor 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, based on aor Equipment - (P003) - Keestrack w/92 hp diesel engine**

Applicable Rules, based on aRequirements	Applicable Emissions Limitations, based on aControl Measures
<b>Keestrack screen</b>	
OAC rule 3745-31-05(C) (Voluntary restriction to avoid BAT applicability)	PE from material handling shall not exceed 10 tons PM <sub>10</sub> /yr, based on a rolling, 12-month summation.  See section B.2 below.
OAC rule 3745-17-07(B)(1)	Visible PE of fugitive dust from material handling shall not exceed 20 percent opacity, as a 3-minute average.
OAC rule 3745-17-08(B)(6)	See sections A.2.a and A.2.b below.
OAC rule 3745-31-05(A)(3)(b)	See section A.2.d below.
3745-31-03(A)(1)(p)(i)	See section F.1 below.
<b>92 hp diesel engine</b>	

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OAC rule 3745-31-05(C) (Voluntary restrictions to avoid BAT applicability)	<p>PM<sub>10</sub> shall not exceed 0.25 ton, based on a rolling, 12-month summation.</p> <p>NOx emissions shall not exceed 3.56 tons, based on a rolling, 12-month summation.</p> <p>CO emissions shall not exceed 0.76 ton, based on a rolling, 12-month summation.</p> <p>SO<sub>2</sub> emissions shall not exceed 0.22 ton, based on a rolling, 12-month summation.</p> <p>OC emissions shall not exceed 0.28 ton, based on a rolling, 12-month summation.</p> <p>See sections B.1 and B.2 below.</p> <p>Compliance with this rule also includes compliance with OAC rule 3745-17-11(B)(5)(b) and OAC rule 3745-17-07(A).</p>
OAC rule 3745-17-11 (B)(5)(a)	PE from the diesel engine exhaust shall not exceed 0.31 lb PE/mmBtu of actual heat input.
OAC rule 3745-17-07 (A)	Visible PE from the diesel engine exhaust stack shall not exceed 20% opacity as a 6-minute average, except as provided by rule.
OAC rule 3745-18-06(G)	Exempt, pursuant to OAC rule 3745-18-06(B) because rated heat input capacity is less than 10 mmBtu/hr.
OAC rule 3745-31-05(A)(3)(b)	See section A.2.d below.

## 2. Additional Terms and Conditions

- 2.a** The material handling operation that is covered by this permit and subject to the above-mentioned requirements are listed below:

Screen  
Conveyor stacker

- 2.b** For each material handling operation that is not adequately enclosed, the application of a water spray shall be implemented if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this

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permit, that the control measure is 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 measure 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 3745-17-07(B).
- 2.d** The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to either the fugitive PM and PM<sub>10</sub> emissions from material handling or the engine exhaust for PM, PM<sub>10</sub>, OC, CO, NO<sub>x</sub> and SO<sub>2</sub> emissions from this air contaminant source since the calculated annual emissions rate for the engine exhaust for PM, PM<sub>10</sub>, OC, CO, NO<sub>x</sub> and SO<sub>2</sub> are less than 10 tons per year taking into account the federally enforceable rule limit of OAC rule 3745-31-05(C) under the SIP rule.
- 2.e** All particulate emissions (PE) are considered PM<sub>10</sub>.

## B. Operational Restrictions

- The permittee shall only burn No. 2 or diesel fuel, containing no greater than 0.5% sulfur by weight, in this emissions unit.
- The permittee has requested limitation on the annual operating hours for purposes of limiting potential to emit to avoid BAT applicability. Therefore, the maximum annual usage, for emissions unit P003, shall not exceed 2,500 hours based upon a rolling 12-month summation. To ensure enforceability during the first 12 calendar months of operation following the issuance of this permit, the permittee shall not exceed the maximum cumulative usage (in hours) as specified in the following table:

<u>Month(s)</u>	<u>Maximum Cumulative Usage (in hours)</u>
1	300
1-2	600
1-3	900
1-4	1,200
1-5	1,500

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1-6	1,800
1-7	2,100
1-8	2,400
1-9	2,500
1-10	2,500
1-11	2,500
1-12	2,500

After the first 12 calendar months of operation following the startup of emissions unit P003, compliance with the annual operating hours limitation shall be based upon a rolling, 12-month summation of the cumulative hours of operation.

**C. Monitoring and, based on aor Recordkeeping Requirements**

1. For each day during which the permittee burns a fuel other than No. 2 fuel oil or diesel fuel containing no greater than 0.5% sulfur by weight in this emissions unit, the permittee shall maintain a record of the type and quantity of fuel burned.
2. The permittee shall maintain monthly records of the following information:
  - a. The total number of hours of operation during each month.
  - b. During the first 12 calendar months of operation following the issuance of this permit, the cumulative number of hours of operation, calculated by adding the current month's number of hours of operation to the number of hours of operation for each calendar month since the issuance of this permit.
  - c. Beginning after the first 12 calendar months of operation following the issuance of this permit, the rolling, 12-month summation of the maximum number of hours of operation, calculated by adding the current month's number of hours of operation to the number of hours of operation for the preceding eleven calendar months.
3. 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

minimum inspection frequency

Screen  
Conveyor stacker

Daily, when operating  
Daily, when operating

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

4. The permittee may, upon receipt of written approval from the Ohio EPA Central District Office, 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 measures;
  - c. the dates the control measure was implemented;
  - d. on a calendar quarter basis, the total number of days the control measure was implemented.

**D. Reporting Requirements**

1. The permittee shall submit semiannual written reports that (a) identify all days during which any visible emissions of fugitive dust were observed from this emissions unit and (b) describe any corrective actions taken to minimize or eliminate the visible emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month periods.
2. The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the rolling, 12-month operating hours limitation and, for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative operating hours levels.

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

3. The permittee shall submit deviation (excursion) reports for each day when a fuel other than 0.5% sulfur diesel fuel was burned in this emissions unit. This report shall be

submitted within 30 days after the deviation occurred.

## E. Testing Requirements

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

- a. Emission Limitations:

Visible PE of fugitive dust from material handling shall not exceed 20% opacity, as a 3-minute average.

Applicable Compliance Method:

If required, compliance shall be determined through visible emission observations performed 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)(4)(a) through (B)(4)(d) of OAC rule 3745-17-03.

- b. Emissions Limitation:

PE from material handling shall not exceed 10 tons PM<sub>10</sub>/yr, based on a rolling, 12-month summation.

Applicable Compliance Method:

Compliance with the annual emissions limitation may be verified from record keeping in section C.2.b or c, from which the current cumulative operating hours shall be multiplied by the maximum hourly process weight rate of 40 tons (100 yds mulch) multiplied by an emission factor of 0.58 lbs PM<sub>10</sub>/ton mulch multiplied by the control efficiency (1 - 0.65)) and divided by 2,000 lbs/ton.

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- c. Emission Limitations:  
PM<sub>10</sub> shall not exceed 0.25 ton/yr, based on a rolling, 12-month summation  
NOx emissions shall not exceed 3.56 tons/yr, based on a rolling, 12-month summation.  
CO emissions shall not exceed 0.76 ton/yr, based on a rolling, 12-month summation.  
SO<sub>2</sub> emissions shall not exceed 0.22 ton/yr, based on a rolling, 12-month summation.  
OC emissions shall not exceed 0.28 ton/yr, based on a rolling, 12-month summation.

Applicable Compliance Method:

Compliance with the annual emission limitations shall be based on record keeping in section C.2.b or c, from which the current cumulative operating hours shall be multiplied by the emission factors in the U.S. EPA's Fire database under SCC 2-02-001-02 in AP-42 Chapter 3.3.-1 multiplied by the horsepower rating.

If required, the permittee shall demonstrate compliance with the emission factors using Methods 1 through 4 and 5, 7, 10, 6 and 25a of 40 CFR, Part 60, Appendix A using the methods and procedures specified in OAC rule 3745-18-04(E) and (F). Alternative U.S. EPA approved test methods may be used with prior written approval from the Ohio EPA.

- d. Emission Limitation:  
PE from the engine exhaust shall not exceed 0.31 lb PM/MMBTU actual heat input

Applicable Compliance Method:

Compliance shall be determined based on the emission factor of 0.0022 lb PM<sub>10</sub>/hp-hr (SCC 2-02-001-02) specified in the U.S. EPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 3.3, Table 3.3-1 (10/96) multiplied the engine rating (92 hp-hr) multiplied by 2545.1 btu-hr/hp conversion factor multiplied 10<sup>-6</sup>/MM.

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in OAC rule 3745-17-03(B)(10).

- e. Emission Limitation:

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Visible emissions from the engine exhaust stack shall not exceed 20% opacity, as a six-minute average.

Applicable Compliance Method:

If required, compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A. Method 9 and the procedures are specified in OAC rule 3745-17-03(B)(1).

**F. Miscellaneous Requirements**

1. At the discretion and following the approval of the director, the permittee may relocate the portable source within the State of Ohio without first obtaining a permit to install (PTI) providing the appropriate notification and exemption requirements have been met. The director may issue a "Notice of Site Approval" through either of the following scenarios:
  - a. If future location(s) of the proposed portable source are unknown, the approval to relocate the portable source shall be in accordance with OAC rule 3745-31-03(A)(1)(p)(i) and the following criteria shall be met:
    - i. the portable source has been issued a permit to install (PTI) and the permittee continues to comply with any applicable best available technology (BAT) determination;
    - ii. the portable source is operating pursuant to a currently effective PTI and/or a current permit to operate (PTO) and continues to comply with the requirements of the permit and any applicable state and/or federal rules;
    - iii. the permittee has provided a minimum of 30 days notice of the intent to relocate the portable source to the permitting authority (the Ohio EPA District Office or local air agency that has issued the effective current permit) prior to the scheduled relocation;
    - iii. the Ohio EPA district office or local air agency having jurisdiction over the new site has determined that the permitted emissions would not cause a nuisance in violation of OAC rule 3745-15-07 and that the relocation of the portable source, along with any supporting permitted emissions (e.g. roadways or storage piles), would not result in the installation of a major stationary source or a modification of an existing major stationary source at the new site; and

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- iv. the director has issued a "Notice of Site Approval", stating that the proposed site is acceptable under OAC rule 3745-15-07 and the relocation will not result in the installation of a major stationary source or a modification of an existing major stationary source.

The portable source can be relocated upon receipt of the director's "Notice of Site Approval" for the site; **or**

- b. Pursuant to OAC rule 3745-31-03(A)(1)(p)(ii), the director may issue a "Notice of Site Approval" for any pre-disclosed location(s) if the portable source meets the requirements of OAC rule 3745-31-05(E), as follows:
  - i. the portable source has been issued a permit to install (PTI) and the permittee continues to comply with any applicable best available technology (BAT) determination;
  - ii. the portable source is operating pursuant to a currently effective PTI and/or a current permit to operate (PTO) and continues to comply with the requirements of the permit and any applicable state and/or federal rules;
  - iii. the permittee has identified the proposed site(s) to the permitting District Office or local air agency;
  - iv. the permitting District Office/local air agency and the District Office/Local air agency having jurisdiction over the new site have determined that the portable source will have an acceptable environmental impact at the proposed site(s);
  - v. a public notice, meeting the requirements OAC rule 3745-47, is published in the county where the proposed site(s) is/are located;
  - vi. the owner of the proposed site(s) (if not the permittee) has provided the portable source owner with approval, or an equivalent declaration, that it is acceptable to move the portable source to the proposed site(s); and
  - vii. the permittee has provided the Ohio EPA with a minimum of a 15-day written notice of the relocation.

The portable source can be relocated upon receipt of the director's "Notice of Site Approval" for the site. Any site approval(s) issued by the Ohio EPA, pursuant to OAC rule 3745-31-03(A)(1)(p)(ii), shall be valid for no longer than 3

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years and are subject to renewal. Pursuant to OAC rule 3745-31-05(F), the director may modify the site approval to add or delete certain portable sources or add or delete certain terms and conditions as appropriate.

[3745-31-03(A)(1)(p)(i)] or [3745-31-03(A)(1)(p)(ii)] and [3745-31-05(E)]

2. If the relocation of the portable source would result in the installation of a major source or the modification of a major source, as defined in OAC rule 3745-31-01, the permittee shall submit an application and obtain a PTI for the new location prior to moving the portable source.

When a portable source is located at a stationary source or at a site with multiple portable sources, the potential emissions of the portable source may be required to be added to that of the facility, in order to determine the potential to emit for Title V and PSD applicability. Relocation of any portable source that results in the creation of a major source, as defined in OAC rule 3745- 77-01, must also meet all applicable requirements under the Title V program contained in OAC rule 3745-77, which may include the requirement to apply for a Title V permit.

The "Notice of Intent to Relocate" shall be submitted to the Ohio EPA District Office or local air agency responsible for issuing the permits for the portable source. Upon receipt of the notice, the permitting office shall notify the appropriate Ohio EPA District Office or local air agency having jurisdiction over the new site. Failure to submit said notification or failure to receive Ohio EPA approval prior to relocation of the portable source may result in fines and civil penalties.

[3745-31-03(A)(1)(p)(i)], [3745-31-03(A)(1)(p)(ii)], and [3745-31-05(E)]

(Term ID:ZZZ.5C:05/11/07)

South High Street Compost Facility  
 PTI Application: 01-12213  
 Issued: 3/18/2008

Facility ID: 0125133100

Emissions Unit ID: P003

SIC CODE 2875 SCC CODE 30703001 EMISSIONS UNIT ID P001  
 EMISSIONS UNIT DESCRIPTION Star powerscreen w/192 hp diesel engine  
 DATE INSTALLED 2/08

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

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter					
PM10	Non Attainment				10
Sulfur Dioxide					0.48
Organic Compounds					0.58
Nitrogen Oxides	non-Attainment				7.4
Carbon Monoxide					1.62
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS? \_\_\_\_\_ NESHAP? \_\_\_\_\_ PSD? \_\_\_\_\_ OFFSET POLICY? \_\_\_\_\_

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

Enter Determination

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? no

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

**TOXIC AIR CONTAMINANTS**

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

AIR TOXICS MODELING PERFORMED\*? \_\_\_\_\_ YES x NO

IDENTIFY THE AIR CONTAMINANTS: \_\_\_\_\_

South High Street Compost Facility  
 PTI Application: 01-12213  
 Issued: 3/18/2008

Facility ID: 0125133100

Emissions Unit ID: P003

SIC CODE 2875 SCC CODE 30703001 EMISSIONS UNIT ID P002  
 EMISSIONS UNIT DESCRIPTION Color machine w/45 hp diesel engine  
 DATE INSTALLED 2/08

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

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter					
PM <sub>10</sub>	Non Attainment				10
Sulfur Dioxide					0.22
Organic Compounds					0.27
Nitrogen Oxides					3.56
Carbon Monoxide					0.75
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS? \_\_\_\_\_ NESHAP? \_\_\_\_\_ PSD? \_\_\_\_\_ OFFSET POLICY? \_\_\_\_\_

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?  
**Enter Determination**

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? No  
 OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? \$ \_\_\_\_\_

**TOXIC AIR CONTAMINANTS**

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

AIR TOXICS MODELING PERFORMED\*? \_\_\_\_\_ YES x NO

IDENTIFY THE AIR CONTAMINANTS: \_\_\_\_\_

**South High Street Compost Facility**  
**PTI Application: 01-12213**  
**Issued: 3/18/2008**

**Facility ID: 0125133100**

Emissions Unit ID: **P003**

SIC CODE  SCC CODE  EMISSIONS UNIT ID   
 EMISSIONS UNIT DESCRIPTION   
 DATE INSTALLED

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

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter					
PM <sub>10</sub>	Non-attainment				1025
Sulfur Dioxide				0.18	0.22
Organic Compounds				0.227	0.28
Nitrogen Oxides				2.85	3.56
Carbon Monoxide				0.62	0.78
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS?  NESHAP?  PSD?  OFFSET POLICY?

**WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?**  
**Enter Determination**

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? No  
 OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? \$

**TOXIC AIR CONTAMINANTS**

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

AIR TOXICS MODELING PERFORMED\*? \_\_\_\_\_ YES x NO

IDENTIFY THE AIR CONTAMINANTS: \_\_\_\_\_