



Environmental  
Protection Agency

Ted Strickland, Governor  
Lee Fisher, Lt. Governor  
Chris Korleski, Director

9/13/2010

BRIAN M MADDEN  
Madden Brothers, Inc.  
66 PEARL RD  
BRUNSWICK HILLS, OH 44212

RE: FINAL AIR POLLUTION PERMIT-TO-INSTALL AND OPERATE  
Facility ID: 1652010051  
Permit Number: P0106810  
Permit Type: Renewal  
County: Medina

Certified Mail

No	TOXIC REVIEW
No	PSD
No	SYNTHETIC MINOR TO AVOID MAJOR NSR
No	CEMS
No	MACT
No	NSPS
No	NESHAPS
No	NETTING
No	MAJOR NON-ATTAINMENT
No	MODELING SUBMITTED
No	SYNTHETIC MINOR TO AVOID TITLE V
No	FEDERALLY ENFORCABLE PTIO (FEPTIO)

Dear Permit Holder:

Enclosed please find a final Air Pollution Permit-to-Install and Operate (PTIO) which will allow you to install, modify, and/or operate the described emissions unit(s) in the manner indicated in the permit. Because this permit contains conditions and restrictions, please read it very carefully. Please complete a survey at [www.epa.ohio.gov/dapc/permitsurvey.aspx](http://www.epa.ohio.gov/dapc/permitsurvey.aspx) and give us feedback on your permitting experience. We value your opinion.

The issuance of this PTI is a final action of the Director 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, made payable to "Ohio Treasurer Kevin Boyce," 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

If you have any questions, please contact Akron Regional Air Quality Management District at (330)375-2480 or the Office of Compliance Assistance and Pollution Prevention at (614) 644-3469. This permit can be accessed electronically on the DAPC Web page, [www.epa.ohio.gov/dapc](http://www.epa.ohio.gov/dapc), by clicking the "Issued Air Pollution Control Permits" link.

Sincerely,

*Michael W. Ahern*  
Michael W. Ahern, Manager  
Permit Issuance and Data Management Section, DAPC

Cc: ARAQMD





**FINAL**

**Division of Air Pollution Control  
Permit-to-Install and Operate  
for  
Madden Brothers, Inc.**

Facility ID: 1652010051  
Permit Number: P0106810  
Permit Type: Renewal  
Issued: 9/13/2010  
Effective: 9/13/2010  
Expiration: 9/13/2020





Division of Air Pollution Control
Permit-to-Install and Operate
for
Madden Brothers, Inc.

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## Authorization

Facility ID: 1652010051  
Application Number(s): A0040197  
Permit Number: P0106810  
Permit Description: Renewal PTIO for emissions units B001, F001, and F002.  
Permit Type: Renewal  
Permit Fee: \$0.00  
Issue Date: 9/13/2010  
Effective Date: 9/13/2010  
Expiration Date: 9/13/2020  
Permit Evaluation Report (PER) Annual Date: Jan 1 - Dec 31, Due Feb 15

This document constitutes issuance to:

Madden Brothers, Inc.  
66 PEARL RD  
Brunswick Hills Twp., OH 44212

of a Permit-to-Install and Operate for the emissions unit(s) identified on the following page.

Ohio EPA District Office or local air agency responsible for processing and administering your permit:

Akron Regional Air Quality Management District  
146 South High Street, Room 904  
Akron, OH 44308  
(330)375-2480

The above named entity is hereby granted this Permit-to-Install and Operate for the air contaminant source(s) (emissions unit(s)) listed in this section 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 described emissions unit(s) will operate in compliance with applicable State and federal laws and regulations.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

  
Chris Korleski  
Director



## Authorization (continued)

Permit Number: P0106810  
Permit Description: Renewal PTIO for emissions units B001, F001, and F002.

Permits for the following Emissions Unit(s) or groups of Emissions Units are in this document as indicated below:

<b>Emissions Unit ID:</b>	<b>B001</b>
Company Equipment ID:	Wood Processor
Superseded Permit Number:	16-02314
General Permit Category and Type:	Not Applicable
<b>Emissions Unit ID:</b>	<b>F001</b>
Company Equipment ID:	Roadways and Parking Areas
Superseded Permit Number:	16-02208
General Permit Category and Type:	Not Applicable
<b>Emissions Unit ID:</b>	<b>F002</b>
Company Equipment ID:	Storage Piles
Superseded Permit Number:	16-02208
General Permit Category and Type:	Not Applicable

## **A. Standard Terms and Conditions**

**1. What does this permit-to-install and operate ("PTIO") allow me to do?**

This permit allows you to install and operate the emissions unit(s) identified in this PTIO. You must install and operate the unit(s) in accordance with the application you submitted and all the terms and conditions contained in this PTIO, including emission limits and those terms that ensure compliance with the emission limits (for example, operating, recordkeeping and monitoring requirements).

**2. Who is responsible for complying with this permit?**

The person identified on the "Authorization" page, above, is responsible for complying with this permit until the permit is revoked, terminated, or transferred. "Person" means a person, firm, corporation, association, or partnership. The words "you," "your," or "permittee" refer to the "person" identified on the "Authorization" page above.

The permit applies only to the emissions unit(s) identified in the permit. If you install or modify any other equipment that requires an air permit, you must apply for an additional PTIO(s) for these sources.

**3. What records must I keep under this permit?**

You must keep all records required by this permit, including monitoring data, test results, strip-chart recordings, calibration data, maintenance records, and any other record required by this permit for five years from the date the record was created. You can keep these records electronically, provided they can be made available to Ohio EPA during an inspection at the facility. Failure to make requested records available to Ohio EPA upon request is a violation of this permit requirement.

**4. What are my permit fees and when do I pay them?**

There are two fees associated with permitted air contaminant sources in Ohio:

- PTIO fee. This one-time fee is based on a fee schedule in accordance with Ohio Revised Code (ORC) section 3745.11, or based on a time and materials charge for permit application review and permit processing if required by the Director.

You will be sent an invoice for this fee after you receive this PTIO and payment is due within 30 days of the invoice date. You are required to pay the fee for this PTIO even if you do not install or modify your operations as authorized by this permit.

- Annual emissions fee. Ohio EPA will assess a separate fee based on the total annual emissions from your facility. You self-report your emissions in accordance with Ohio Administrative Code (OAC) Chapter 3745-78. This fee assessed is based on a fee schedule in ORC section 3745.11 and funds Ohio EPA's permit compliance oversight activities. Unless otherwise specified, facilities subject to one or more synthetic minor restrictions must use Ohio EPA's "Air Services" to submit annual emissions associated with this permit requirement. Ohio EPA will notify you when it is time to report your emissions and to pay your annual emission fees.

**5. When does my PTIO expire, and when do I need to submit my renewal application?**

This permit expires on the date identified at the beginning of this permit document (see "Authorization" page above) and you must submit a renewal application to renew the permit. Ohio EPA will send a renewal notice to you approximately six months prior to the expiration date of this permit. However, it is very important that you submit a complete renewal permit application (postmarked prior to expiration of

this permit) even if you do not receive the renewal notice.

If a complete renewal application is submitted before the expiration date, Ohio EPA considers this a timely application for purposes of ORC section 119.06, and you are authorized to continue operating the emissions unit(s) covered by this permit beyond the expiration date of this permit until final action is taken by Ohio EPA on the renewal application.

**6. What happens to this permit if my project is delayed or I do not install or modify my source?**

This PTIO expires 18 months after the issue date identified on the "Authorization" page above unless otherwise specified if you have not (1) started constructing the new or modified emission sources identified in this permit, or (2) entered into a binding contract to undertake such construction. This deadline can be extended by up to 12 months, provided you apply to Ohio EPA for this extension within a reasonable time before the 18-month period has ended and you can show good cause for any such extension.

**7. What reports must I submit under this permit?**

An annual permit evaluation report (PER) is required in addition to any malfunction reporting required by OAC rule 3745-15-06 or other specific rule-based reporting requirement identified in this permit. Your PER due date is identified in the Authorization section of this permit.

**8. If I am required to obtain a Title V operating permit in the future, what happens to the operating provisions and PER obligations under this permit?**

If you are required to obtain a Title V permit under OAC Chapter 3745-77 in the future, the permit-to-operate portion of this permit will be superseded by the issued Title V permit. From the effective date of the Title V permit forward, this PTIO will effectively become a PTI (permit-to-install) in accordance with OAC rule 3745-31-02(B). The following terms and conditions will no longer be applicable after issuance of the Title V permit: Section B, Term 1.b) and Section C, for each emissions unit, Term a)(2).

The PER requirements in this permit remain effective until the date the Title V permit is issued and is effective, and cease to apply after the effective date of the Title V permit. The final PER obligation will cover operations up to the effective date of the Title V permit and must be submitted on or before the submission deadline identified in this permit on the last day prior to the effective date of the Title V permit.

**9. What are my obligations when I perform scheduled maintenance on air pollution control equipment?**

You must perform scheduled maintenance of air pollution control equipment in accordance with OAC rule 3745-15-06(A). If scheduled maintenance requires shutting down or bypassing any air pollution control equipment, you must also shut down the emissions unit(s) served by the air pollution control equipment during maintenance, unless the conditions of OAC rule 3745-15-06(A)(3) are met. Any emissions that exceed permitted amount(s) under this permit (unless specifically exempted by rule) must be reported as deviations in the annual permit evaluation report (PER), including nonexempt excess emissions that occur during approved scheduled maintenance.

**10. Do I have to report malfunctions of emissions units or air pollution control equipment? If so, how must I report?**

If you have a reportable malfunction of any emissions unit(s) or any associated air pollution control

system, you must report this to the Akron Regional Air Quality Management District in accordance with OAC rule 3745-15-06(B). Malfunctions that must be reported are those that result in emissions that exceed permitted emission levels. It is your responsibility to evaluate control equipment breakdowns and operational upsets to determine if a reportable malfunction has occurred.

If you have a malfunction, but determine that it is not a reportable malfunction under OAC rule 3745-15-06(B), it is recommended that you maintain records associated with control equipment breakdown or process upsets. Although it is not a requirement of this permit, Ohio EPA recommends that you maintain records for non-reportable malfunctions.

**11. Can Ohio EPA or my local air agency inspect the facility where the emission unit(s) is/are located?**

Yes. Under Ohio law, the Director or his authorized representative may inspect the facility, conduct tests, examine records or reports to determine compliance with air pollution laws and regulations and the terms and conditions of this permit. You must provide, within a reasonable time, any information Ohio EPA requests either verbally or in writing.

**12. What happens if one or more emissions units operated under this permit is/are shut down permanently?**

Ohio EPA can terminate the permit terms associated with any permanently shut down emissions unit. "Shut down" means the emissions unit has been physically removed from service or has been altered in such a way that it can no longer operate without a subsequent "modification" or "installation" as defined in OAC Chapter 3745-31.

You should notify Ohio EPA of any emissions unit that is permanently shut down by submitting<sup>1</sup> a certification that identifies the date on which the emissions unit was permanently shut down. The certification must be submitted by an authorized official from the facility. You cannot continue to operate an emissions unit once the certification has been submitted to Ohio EPA by the authorized official.

You must comply with all recordkeeping and reporting for any permanently shut down emissions unit in accordance with the provisions of the permit, regulations or laws that were enforceable during the period of operation, such as the requirement to submit a PER, air fee emission report, or malfunction report. You must also keep all records relating to any permanently shutdown emissions unit, generated while the emissions unit was in operation, for at least five years from the date the record was generated.

Again, you cannot resume operation of any emissions unit certified by the authorized official as being permanently shut down without first applying for and obtaining a permit pursuant to OAC Chapter 3745-31.

**13. Can I transfer this permit to a new owner or operator?**

You can transfer this permit to a new owner or operator. If you transfer the permit, you must follow the procedures in OAC Chapter 3745-31, including notifying Ohio EPA or the local air agency of the change in ownership or operator. Any transferee of this permit must assume the responsibilities of the transferor permit holder.

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<sup>1</sup> Permittees that use Ohio EPA's "Air Services" can mark the affected emissions unit(s) as "permanently shutdown" in the facility profile along with the date the emissions unit(s) was permanently removed and/or disabled. Submitting the facility profile update will constitute notifying of the permanent shutdown of the affected emissions unit(s).

**14. Does compliance with this permit constitute compliance with OAC rule 3745-15-07, "air pollution nuisance"?**

This permit and OAC rule 3745-15-07 prohibit operation of the air contaminant source(s) regulated under this permit in a manner that causes a nuisance. Ohio EPA can require additional controls or modification of the requirements of this permit through enforcement orders or judicial enforcement action if, upon investigation, Ohio EPA determines existing operations are causing a nuisance.

**15. What happens if a portion of this permit is determined to be invalid?**

If a portion of this permit is determined to be invalid, the remainder of the terms and conditions remain valid and enforceable. The exception is where the enforceability of terms and conditions are dependent on the term or condition that was declared invalid.

## **B. Facility-Wide Terms and Conditions**

1. This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).
  - a) For the purpose of a permit-to-install document, the facility-wide terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.
    - (1) None.
  - b) For the purpose of a permit-to-operate document, the facility-wide terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.
    - (1) None.

## **C. Emissions Unit Terms and Conditions**



1. B001, Wood Processor

Operations, Property and/or Equipment Description:

80 HP diesel engine to power a wood processor - Timber Wolf Model Number PRO-HD.

a) This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

(1) For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.

a. None.

(2) For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.

a. None.

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operation(s), property, and/or equipment that constitute each emissions unit along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures are identified below. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3)	2.48 pounds of nitrogen oxides (NO <sub>x</sub> ) per hour and 10.9 tons of NO <sub>x</sub> per year  0.53 pound of carbon monoxide (CO) per hour and 2.3 tons of CO per year  0.16 pound of sulfur dioxide (SO <sub>2</sub> ) per hour and 0.7 ton of SO <sub>2</sub> per year  0.18 pound of particulate emissions (PE) per hour and 0.8 ton of PE per year  0.20 pound of organic compounds (OC) per hour and 0.9 ton of OC per year  The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-07(A) and 3745-17-11(B)(5)(a).





b.	OAC rule 3745-17-07(A)	Visible particulate emissions from the diesel engine exhaust stack shall not exceed twenty percent opacity as a six-minute average, except as provided by rule.
c.	OAC rule 3745-17-11(B)(5)(a)	The particulate emissions from the diesel engine's exhaust shall not exceed 0.310 pound per million Btu of actual heat input.
d.	OAC rule 3745-18-06(B)	Stationary internal combustion engines which have rated heat input capacities equal to, or less than, ten MM Btu per hour total rated capacity are exempt from paragraphs (D), (F), and (G) of OAC rule 3745-18-06 and from rules 3745-18-07 to 3745-18-94 of the Administrative Code.

(2) Additional Terms and Conditions

a. None.

c) Operational Restrictions

(1) None.

d) Monitoring and/or Recordkeeping Requirements

(1) None.

e) Reporting Requirements

(1) Annual Permit Evaluation Report (PER) forms will be mailed to the permittee at the end of the reporting period specified in the Authorization section of this permit. The permittee shall submit the PER in the form and manner provided by the director by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve-months for each air contaminant source identified in this permit.

f) Testing Requirements

(1) Compliance with the emission limitation(s) in b)(1) above shall be determined in accordance with the following method(s):

a. Emission Limitation:

2.48 pounds of NO<sub>x</sub> per hour

Applicable Compliance Method:

Compliance with the hourly allowable NO<sub>x</sub> emission limitation above shall be demonstrated by multiplying the AP-42 emission factor of 0.031 pound of NO<sub>x</sub>

per horsepower-hour (AP-42 Table 3.3-1 dated 10/96) by the maximum power output.

b. Emission Limitation:

0.53 pound of CO per hour

Applicable Compliance Method:

Compliance with the hourly allowable CO emission limitation above shall be demonstrated by multiplying the AP-42 emission factor of 0.00668 pound of CO per horsepower-hour (AP-42 Table 3.3-1 dated 10/96) by the maximum power output.

c. Emission Limitation:

0.16 pound of SO<sub>2</sub> per hour

Applicable Compliance Method:

Compliance with the hourly allowable SO<sub>2</sub> above shall be demonstrated by multiplying the AP-42 emission factor of 0.00205 pound of SO<sub>2</sub> per horsepower-hour (AP-42 Table 3.3-1 dated 10/96) by the maximum power output.

d. Emission Limitation:

0.18 pound of PE per hour

Applicable Compliance Method:

Compliance with the hourly allowable PE limitation above shall be demonstrated by multiplying the allowable emission limit of 0.310 pound of PE per million Btu of actual fuel input by 7000 Btu/horsepower-hour times 1 MM Btu/ 1 x 10<sup>6</sup> Btu times the maximum power output.

e. Emission Limitation:

0.20 pound of OC per hour

Applicable Compliance Method:

Compliance with the hourly allowable OC emission limitation above shall be demonstrated by multiplying the AP-42 emission factor of 0.00247 pound of OC per horsepower-hour (AP-42 Table 3.3-1 dated 10/96) by the maximum power output.

f. Emission Limitations:

10.9 tons of NO<sub>x</sub> per year

2.3 tons of CO per year

0.7 ton of SO<sub>2</sub> per year

0.8 ton of PE per year

0.9 ton of OC per year

Applicable Compliance Method:

The annual allowable emission limitations above were determined by multiplying the hourly allowable emission limitations by the maximum operating hours (8760 hours per year), and then dividing by 2000. Therefore, as long as compliance with the hourly allowable emission, compliance with the annual allowable emission limitations shall be assumed.

g. Emission Limitation:

Visible PE from the diesel engine exhaust stack shall not exceed twenty percent opacity as a six-minute average, except as provided by rule.

Applicable Compliance Method:

Compliance with the visible PE limitation from the diesel engine exhaust stack shall be demonstrated in accordance with the test method and procedures specified in OAC rule 3745-17-03(B)(1).

h. Emission Limitation:

The particulate emissions from the diesel engine's exhaust shall not exceed 0.310 pound per million Btu of actual heat input.

Applicable Compliance Method:

If required, compliance with the allowable PE limitation shall be determined in accordance with test method(s) and procedures specified in OAC rule 3745-17-03(B)(10).

g) Miscellaneous Requirements

(1) None.



2. F001, Roadways and Parking Areas

Operations, Property and/or Equipment Description:

Roadways and Parking Areas.

a) This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

(1) For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.

a. None.

(2) For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.

a. None.

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operation(s), property, and/or equipment that constitute each emissions unit along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures are identified below. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

Table with 2 columns: Applicable Rules/Requirements and Applicable Emissions Limitations/Control Measures. Row 'a.' contains OAC rule 3745-31-05(A)(3) and detailed emission limits for paved and unpaved areas.



	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		There shall be no visible PE except for a period of time not to exceed three minutes during any sixty-minute observation period.  best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (See b)(2)d. through b)(2)i. below)
b.	OAC rule 3745-17-07(B)(4)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
c.	OAC rule 3745-17-07(B)(5)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
d.	OAC rule 3745-17-08(B), (B)(2)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
e.	OAC rule 3745-17-08(B), (B)(8), (B)(9)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

(2) Additional Terms and Conditions

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

paved parking areas:

paved area

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

unpaved roadways:

roadway

unpaved parking areas:

unpaved area

- c. The permittee shall employ best available control measures on all paved 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 paved parking areas by sweeping at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- d. 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 water at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- e. 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 a paved or 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.
- f. 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 with the control measure(s) specified above 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 the visible emission limitation for paved roadways and parking areas.
- g. 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.
- h. 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.
- i. 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 rules 3745-17-08 and 3745-31-05.



- j. The annual emission limitation is based on the emissions unit's potential to emit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with this emission limitation.

c) Operational Restrictions

- (1) None.

d) Monitoring and/or Recordkeeping Requirements

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

<u>paved parking areas</u>	<u>minimum inspection frequency</u>
paved area	daily
<u>unpaved roadways and parking areas</u>	<u>minimum inspection frequency</u>
roadway	daily
unpaved area	daily

- (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 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. 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 d)(4)d. above shall be kept separately for (i) the paved roadways and parking areas and (ii) the unpaved roadways and parking areas, and shall

be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

e) Reporting Requirements

- (1) The permittee shall identify the following information in the annual permit evaluation report (PER) in accordance with the monitoring requirements for visible emissions in d)(4) above:
  - a. each day during which an inspection was not performed by the required frequency, excluding an inspection which was not performed due to an exemption for snow and/or ice cover or precipitation; and
  - b. each instance when a control measure, that was to be implemented as a result of an inspection, was not implemented.
- (2) Annual PER forms will be mailed to the permittee at the end of the reporting period specified in the Authorization section of this permit. The permittee shall submit the PER in the form and manner provided by the director by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve-months for each air contaminant source identified in this permit.

f) Testing Requirements

- (1) Compliance with the emission limitation(s) in b)(1) above shall be determined in accordance with the following method(s):
  - a. Emission Limitation:

There shall be no visible PE except for a period of time not to exceed one minute during any sixty-minute observation period.

Applicable Compliance Method:

Compliance with the allowable PE limitation 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, 1996, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(d) of OAC rule 3745-17-03.
  - b. Emission Limitation:

There shall be no visible PE except for a period of time not to exceed three minutes during any sixty-minute observation period.

Applicable Compliance Method:

Compliance with the allowable PE limitation 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, 1996, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(d) of OAC rule 3745-17-03.

c. Emission Limitation:

2.0 tons of PE per year

Applicable Compliance Method:

Compliance with the annual allowable PE limitation above shall be demonstrated by multiplying the AP-42 derived emission factor (AP-42, Chapter 13.2.2, Equation 2, date 9/98) of 6.81 pounds of PE per vehicle mile traveled for the roadway by the maximum total number of vehicle miles traveled per year for the roadway plus multiplying the AP-42 derived emission factor (AP-42, Chapter 13.2.2, Equation 2, dated 9/98) of 8.70 pounds of PE per vehicle mile traveled for the unpaved area by the maximum total number of vehicle miles traveled per year for the unpaved area plus multiplying the AP-42 derived emission factor (AP-42, Chapter 13.2.1, Equation 1, dated 10/97) of 5.03 pounds of PE per vehicle mile traveled for the paved area by the maximum total number of vehicle miles traveled per year for the paved area, and then dividing by 2000 pounds/ton.

g) Miscellaneous Requirements

(1) None.



3. F002, Storage Piles

Operations, Property and/or Equipment Description:

Storage Piles.

a) This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

(1) For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.

a. None.

(2) For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.

a. None.

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operation(s), property, and/or equipment that constitute each emissions unit along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures are identified below. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3)	<p>13.2 tons of particulate emissions (PE) per year (See b)(2)h. through b)(2)i. below.)</p> <p>For load-in and load-out of storage piles (see b)(2)a. below for identification of storage piles):</p> <p>There shall be no visible PE except for a period of time not to exceed one minute in any sixty-minute observation period.</p> <p>best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (See b)(2)b., b)(2)c., and b)(2)g. below.)</p> <p>For wind erosion from storage piles (see b)(2)a. below for identification of storage</p>



Table with 2 columns: Applicable Rules/Requirements and Applicable Emissions Limitations/Control Measures. It contains three rows of regulatory details regarding storage piles and fugitive dust emissions.

(2) Additional Terms and Conditions

a. The storage piles that are covered by this permit and subject to the above-mentioned requirements are listed below:

Table with 2 columns: storage pile identification and number of separate piles. Lists Mulch (5), Compost (3), Wood chips (2), and Topsoil (2).

Stone

3

- b. The permittee shall employ best available control measures on all load-in and load-out operations associated with the storage piles for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to reduce drop height of the front-end loaders and trucks to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- c. The above-mentioned control measure(s) shall be employed for each load-in and load-out operation of each storage pile if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measure(s) are necessary to ensure compliance with the above-mentioned applicable requirements. Any required implementation of the control measure(s) shall continue during any such operation until further observation confirms that use of the measure(s) is unnecessary.
- d. The permittee shall employ best available control measures for wind erosion from the surfaces of all storage piles for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permittee's permit application, the permittee has committed to watering to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- e. The permittee shall employ reasonably available control measures on all pile working operations associated with the storage piles for the purpose of ensuring compliance with the above-mentioned applicable requirements. The permittee shall treat the pile working operations with water and/or any other suitable dust suppression chemicals at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- f. The above-mentioned control measure(s) shall be employed for each pile working operation and wind erosion from each pile if the permittee determines, as a result of the inspection conducted pursuant to the monitoring section of this permit, that the control measure(s) are necessary to ensure compliance with the above-mentioned applicable requirements. Implementation of the control measure(s) shall not be necessary for a storage pile that is covered with snow and/or ice or if precipitation has occurred that is sufficient for that day to ensure compliance with the above-mentioned applicable requirements.
- 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 requirements of OAC rules 3745-17-08 and 3745-31-05.
- h. This facility shall not cause a nuisance per Ohio Administrative Code 3745-15-07.

- i. The annual emission limitation is based on the emissions unit's potential to emit. Therefore, it is not necessary to develop record keeping and/or reporting requirements to ensure compliance with this emission limitation.

c) Operational Restrictions

- (1) None.

d) 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>
Mulch	daily
Compost	daily
Wood chips	daily
Topsoil	daily
Stone	daily

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

<u>storage pile identification</u>	<u>minimum load-out inspection frequency</u>
Mulch	daily
Compost	daily
Wood chips	daily
Topsoil	daily
Stone	daily

- (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>
Mulch	daily
Compost	daily
Wood chips	daily



Topsoil	daily
Stone	daily

- (4) Except as otherwise provided in this section, the permittee shall perform inspections of each pile working operation associated with each storage pile in accordance with the following frequencies:

<u>storage pile identification</u>	<u>minimum pile working inspection frequency</u>
Mulch	daily
Compost	daily
Wood chips	daily
Topsoil	daily
Stone	daily

- (5) 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.
- (6) 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, pile working, and wind erosion from the surface of a storage pile. The inspections shall be performed during representative, normal storage pile operating conditions.
- (7) 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.
- (8) 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 d)(8)d. above shall be kept separately for (i) the load-in operations, (ii) the load-out operations, (iii) the storage pile working operations, and (iv) the pile surfaces (wind erosion), and shall be updated on a calendar quarter basis within 30 days after the end of each calendar quarter.

e) Reporting Requirements

(1) The permittee shall identify the following information in the annual permit evaluation report (PER) in accordance with the monitoring requirements for visible emissions in d)(8) above:

- a. each day during which an inspection was not performed by the required frequency, excluding an inspection which was not performed due to an exemption for snow and/or ice cover or precipitation; and
- b. each instance when a control measure, that was to be implemented as a result of an inspection, was not implemented.

(2) Annual PER forms will be mailed to the permittee at the end of the reporting period specified in the Authorization section of this permit. The permittee shall submit the PER in the form and manner provided by the director by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve-months for each air contaminant source identified in this permit.

a) Testing Requirements

(1) Compliance with the emission limitation(s) in b)(1) above shall be determined in accordance with the following method(s):

a. Emission Limitation:

There shall be no visible PE except for a period of time not to exceed one minute in any sixty-minute observation period.

Applicable Compliance Method:

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

b. Emission Limitation:

13.2 tons of PE per year

Applicable Compliance Method:

Compliance with the annual allowable PE limitations shall be demonstrated using the following equation:

Total emissions = load-in + load-out + wind erosion + vehicular traffic on storage piles

load-in: multiply the AP-42 derived emission factor (AP-42 Chapter 13.2.4, equation 1, dated 1/95) of 0.0006 pound of PE per ton of material loaded-in for mulch, compost, wood chips, and topsoil by the maximum yearly amount of mulch, compost, wood chips, and topsoil loaded-in plus multiply the AP-42 derived emission factor (AP-42 Chapter 13.2.4, equation 1, dated 1/95) of 0.028 pound of PE per ton of material loaded-in for stone by the maximum yearly amount of stone loaded-in, and then divide by 2000 pounds/ton.

load-out: multiply the AP-42 derived emission factor (AP-42 Chapter 13.2.4, equation 1, dated 1/95) of 0.0006 pound of PE per ton of material loaded-out for mulch, compost, wood chips, and topsoil by the maximum yearly amount of mulch, compost, wood chips, and topsoil loaded-out plus multiply the AP-42 derived emission factor (AP-42 Chapter 13.2.4, equation 1, dated 1/95) of 0.028 pound of PE per ton of material loaded-out for stone by the maximum yearly amount of stone loaded-out, and then divide by 2000 pounds/ton.

wind erosion: multiply the AP-42 emission factor of 3.5 pounds of PE per acre per day by the maximum acres of the storage piles by 365 day per year, and then divide by 2000 pounds/ton.

vehicular traffic on storage piles: multiply the AP-42 derived emission factor (AP-42 Chapter 13.2.2, equation 2, dated 9/98) 13.45 pounds of PE per vehicular mile traveled on the storage piles by the maximum vehicular miles traveled on the storage piles.

b) Miscellaneous Requirements

(1) None.