



State of Ohio Environmental Protection Agency

**RE: FINAL PERMIT TO INSTALL  
WOOD 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: 03-17210**

**Fac ID: 0387000208**

**DATE: 1/30/2007**

Mid-Wood, Inc. - Haskins Branch  
Matt Langhals  
7850 North Defiance Trail  
Fort Jennings, OH 45844

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

NWDO



**FINAL PERMIT TO INSTALL 03-17210**

Application Number: 03-17210  
Facility ID: 0387000208  
Permit Fee: **\$3100**  
Name of Facility: Mid-Wood, Inc. - Haskins Branch  
Person to Contact: Matt Langhals  
Address: 7850 North Defiance Trail  
Fort Jennings, OH 45844

Location of proposed air contaminant source(s) [emissions unit(s)]:  
**15841 West Main Street  
Haskins, Ohio**

Description of proposed emissions unit(s):  
**truck loadout, grain receiving pit, roadways and parking areas.**

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



---

Laura Powell  
Acting 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

Mid-Wood, Inc. - Haskins Branch  
PTI Application: 03-17210  
Issued: 1/30/2007

Facility ID: 0387000208

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)**

Mid-Wood, Inc. - Haskins Branch  
PTI Application: 03-17210  
Issued: 1/30/2007

Facility ID: 0387000208

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.

Mid-Wood, Inc. - Haskins Branch  
 PTI Application: 03-17210  
 Issued: 1/30/2007

Facility ID: 0387000208

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

This facility is permitted to operate each source described by this Permit to Install for a period of up to one year from the date the source commenced operation. This permission to operate is granted only if the facility complies with all requirements contained in this permit and all applicable air pollution laws, regulations, and policies. Pursuant to OAC Chapter 3745-35, the permittee shall submit a complete operating permit application within ninety (90) days after commencing operation of the emissions unit(s) covered by this permit.

**14. Construction Compliance Certification**

The applicant shall provide Ohio EPA with a written certification (see enclosed form) that the facility has been constructed in accordance with the Permit to Install application and the terms and conditions of the Permit to Install. The certification shall be provided to Ohio EPA upon completion of construction but prior to startup of the source.

**15. Fees**

The permittee shall pay fees to the Director of the Ohio EPA in accordance with ORC section 3745.11 and OAC Chapter 3745-78. The permittee shall pay all applicable Permit to Install fees within 30 days after the issuance of this Permit to Install.

**B. Permit to Install Summary of Allowable Emissions**

The following information summarizes the total allowable emissions, by pollutant, based on the individual allowable emissions of each air contaminant source identified in this permit.

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

<u>Pollutant</u>	<u>Tons Per Year</u>
PE	2.105
PM <sub>10</sub>	0.643

7

**Mid-Wood, Inc. - Haskins Branch**  
**PTI Application: 03-17210**  
**Issued: 1/30/2007**

**Facility ID: 0387000208**

Issued: 1/30/2007

**PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)****A. Applicable Emissions Limitations and/or Control Requirements**

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

**Operations, Property, and/or Equipment - (F002) - Paved and unpaved roadways**

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05(A)(3)	<p><u>Paved roadways:</u>            0.16 tons per year of fugitive particulate emissions (PE)            0.03 tons per year of fugitive particulate matter 10 microns in diameter or less (PM<sub>10</sub>)</p> <p>There shall be no visible fugitive particulate emissions from any paved roadway except for a period of time not to exceed one minute during any sixty-minute observation period.</p> <p>Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see Sections A.2.c, and A.2.e through A.2.i)</p> <p><u>Unpaved roadways:</u>            0.63 tons per year of fugitive particulate emissions (PE)            0.17 tons per year of fugitive particulate matter 10 microns in diameter or less (PM<sub>10</sub>)</p> <p>There shall be no visible fugitive particulate emissions from any unpaved roadway except for a period of time not to exceed three minutes during any sixty-minute observation period.</p> <p>Best available control measures that are sufficient to minimize or eliminate visible emissions of fugitive dust (see Sections A.2.d through A.2.i)</p>
OAC rule 3745-17-07(B)	see A.2.j
OAC rule 3745-17-08(B)	see A.2.k

**Issued: 1/30/2007**

Emissions Unit ID: **F002**

Issued: 1/30/2007

**2. Additional Terms and Conditions**

- 2.a** The paved roadway segment that is subject to the terms and conditions of this permit is listed below:

<u>identification:</u>	<u>description:</u>	<u>road segment length:</u>
B	Scale	0.0114 miles

- 2.b** The unpaved roadway segments that are subject to the terms and conditions of this permit are listed below:

<u>identification:</u>	<u>description:</u>	<u>road segment length:</u>
A	From Mill Street to Scale	0.0053 miles
C	From Scale to pit and back to Scale	0.0540 miles
D	From Scale around elevator and back	0.1087 miles

- 2.c** The permittee shall employ best available control measures on all paved roadways for the purpose of ensuring compliance with the above-mentioned applicable requirements. In accordance with the permit application, the permittee maintains that the type of traffic and the nature of the road surface is such that no controls are necessary to comply with all applicable requirements. If at anytime the type of traffic and the nature of the road surface is not sufficient to meet the above applicable requirements, the permittee shall employ best available control measures to ensure compliance.
- 2.d** The permittee shall employ best available control measures on all unpaved roadways 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 by oiling at sufficient treatment frequencies to ensure compliance. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.
- 2.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

Emissions Unit ID: F002

would be created by its use.

- 2.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.
- 2.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.
- 2.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.
- 2.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 best available technology requirements of OAC rule 3745-31-05.
- 2.j** This emissions unit is exempt from the visible particulate emission limitations specified in OAC rule 3745-17-07(B) pursuant to OAC rule 3745-17-07(B)(11)(e).
- 2.k** Mid-Wood, Incorporated is not located within an "Appendix A" area as identified in OAC rule 3745-17-08. Therefore, pursuant to OAC rule 3745-17-08(A), this emissions unit is exempt from the requirements of OAC rule 3745-17-08.

## **B. Operational Restrictions**

None

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

- 1.** Except as otherwise provided in this section, the permittee shall perform inspections of

**Issued: 1/30/2007**

the roadways and parking areas in accordance with the following frequencies:

paved roadways

all

minimum inspection frequency

once during each day of operation

unpaved roadways

all

minimum inspection frequency

once during each day of operation

2. The purpose of the inspections is to determine the need for implementing the above-mentioned control measures. The inspections shall be performed during representative, normal traffic conditions. No inspection shall be necessary for a roadway 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 Ohio EPA's Northwest 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.
4. The permittee shall maintain records of the following information:
  - a. the date and reason any required inspection was not performed, including those inspections that were not performed due to snow and/or ice cover or precipitation;
  - b. the date of each inspection where it was determined by the permittee that it was necessary to implement the control measures;
  - c. the dates the control measures were implemented; and
  - d. on a calendar quarter basis, the total number of days the control measures were implemented and the total number of days where snow and/or ice cover or precipitation were sufficient to not require the control measures.

The information required in 4.d. shall be 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.

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

1. The permittee shall submit deviation reports that identify any of the following occurrences:
  - a. each day during which an inspection was not performed by the required frequency, excluding an inspection which was not performed due to an exemption for snow and/or ice cover or precipitation; and
  - b. each instance when a control measure, that was to be implemented as a result of an inspection, was not implemented.

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

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

1. Compliance with the emission limitation(s) in Section A.1. of the terms and condition of this permit shall be determined in accordance with the following method(s):

Issued: 1/30/2007

- a. Emission Limitations:  
0.16 tons fugitive PE/yr from the paved roadway segment

Applicable Compliance Method:

The permittee shall demonstrate compliance by multiplying the AP-42 emission factor, E, with the respective maximum vehicle miles traveled per year (VMT/yr) and 1 ton/2000 lbs as follows:

<u>Type of Vehicle</u>	<u>W (tons)</u>	<u>sL (%)</u>	<u>VMT/yr</u>
18 wheel semi	30	4.6	16.0
10 wheel straight truck	15	4.6	18.5
Pickup/tractor and wagon	11	4.6	11.2

The AP-42 emission factor is calculated by using the equation in AP-42's Chapter 13 Section 2.1 (dated 12/2003):

$$E = k (sL/2)^{0.65} (W/3)^{1.5} - C$$

where E = particulate emission factor (having same units as k)

k = 0.082 lb/VMT (based on Table 13.2.1-2. for which PM<sub>30</sub> is assumed equivalent to PE)

s = road surface silt loading (grams per square meter) (g/m<sup>2</sup>)

W = average weight (in tons) of the vehicles driving the road

C = emission factor for 1980's vehicle fleet exhaust, brake wear and tire wear (equivalent to 0.00047 lb/VMT based on Table 13.2.1-2.)

- b. Emission Limitations:  
0.03 tons fugitive PM<sub>10</sub>/yr from the paved roadway segment

Applicable Compliance Method:

The permittee shall demonstrate compliance by multiplying the AP-42 emission factor, E, with the respective maximum vehicle miles traveled per year (VMT/yr) and 1 ton/2000 lbs as follows:

<u>Type of Vehicle</u>	<u>W (tons)</u>	<u>sL (%)</u>	<u>VMT/yr</u>
18 wheel semi	30	4.6	16.0
10 wheel straight truck	15	4.6	18.5
Pickup/tractor and wagon	11	4.6	11.2

The AP-42 emission factor is calculated by using the equation in AP-42's

Issued: 1/30/2007

Chapter 13 Section 2.1 (dated 12/2003):

$$E = k (sL/2)^{0.65} (W/3)^{1.5} - C$$

where E = particulate emission factor (having same units as k)

k = 0.016 lb/VMT (based on Table 13.2.1-2. for PM<sub>10</sub>)

s = road surface silt loading (grams per square meter) (g/m<sup>2</sup>)

W = average weight (in tons) of the vehicles driving the road

C = emission factor for 1980's vehicle fleet exhaust, brake wear and tire wear (equivalent to 0.00047 lb/VMT based on Table 13.2.1-2.)

c. Emission Limitations:

0.63 tons fugitive PE/yr from the unpaved roadway segments

Applicable Compliance Method:

The permittee shall demonstrate compliance by multiplying the AP-42 emission factor, E, with the respective maximum vehicle miles traveled per year (VMT/yr) and 1 ton/2000 lbs as follows:

<u>Type of Vehicle</u>	<u>W (tons)</u>	<u>s (%)</u>	<u>VMT/yr</u>
18 wheel semi to scale	30	6.4	4.1
10 wheel straight truck	15	6.4	52.4
Pickup/tractor and wagon	11	6.4	31.8
18 wheel semi around elevator	30	6.4	76.2
Light duty	2	6.4	10.2

The AP-42 emission factor is calculated by using the equation in AP-42's Chapter 13 Section 2.2 (dated 12/2003):

$$E = k (s/12)^a (W/3)^b$$

where E = particulate emission factor (having same units as k)

k = 4.9 lb/VMT (based on Table 13.2.2-2. for which PM<sub>30</sub> is assumed equivalent to PE)

a = 0.7

b = 0.45

s = silt content (weight %) which is 6.4

W = average weight (in tons) of the vehicles driving the road

d. Emission Limitations:

Emissions Unit ID: F002

0.17 tons fugitive PM<sub>10</sub>/yr from the unpaved roadway segmentsApplicable Compliance Method:

The permittee shall demonstrate compliance by multiplying the AP-42 emission factor, E, with the respective maximum vehicle miles traveled per year (VMT/yr) and 1 ton/2000 lbs as follows:

<u>Type of Vehicle</u>	<u>W (tons)</u>	<u>s (%)</u>	<u>VMT/yr</u>
18 wheel semi to scale	30	6.4	4.1
10 wheel straight truck	15	6.4	52.4
Pickup/tractor and wagon	11	6.4	31.8
18 wheel semi around elevator	30	6.4	76.2
Light duty	2	6.4	10.2

The AP-42 emission factor is calculated by using the equation in AP-42's Chapter 13 Section 2.2 (dated 12/2003):

$$E = k (s/12)^a (W/3)^b$$

where E = particulate emission factor (having same units as k)

k = 1.5 lb/VMT (based on Table 13.2.2-2. for PM<sub>10</sub>)

a = 0.9

b = 0.45

s = silt content (weight %) which is 6.4

W = average weight (in tons) of the vehicles driving the road

e. Emission Limitation:

There shall be no visible fugitive particulate emissions from any paved roadway except for a period of time not to exceed one minute during any sixty-minute observation period.

Applicable Compliance Method:

Compliance with the visible emission limitation specified above shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 2002, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(d) of OAC rule 3745-17-03.

f. Emission Limitation:

There shall be no visible fugitive particulate emissions from any unpaved roadway segments except for a period of time not to exceed three minutes

**Issued: 1/30/2007**

during any 60-minute observation period.

Applicable Compliance Method:

Compliance with the visible emission limitation specified above shall be determined in accordance with Test Method 22 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 2002, and the modifications listed in paragraphs (B)(4)(a) through (B)(4)(d) of OAC rule 3745-17-03.

**F. Miscellaneous Requirements**

None

Issued: 1/30/2007

**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 - (F003) - Grain receiving by truck as well as transferring and conveying operations**

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05(A)(3)	Control requirements (see A.2.a)  <u>Grain receiving by truck:</u> 0.60 tons fugitive particulate emissions (PE) per year  0.20 tons fugitive particulate matter 10 microns in diameter or less (PM <sub>10</sub> ) per year  Visible fugitive PE shall not exceed 20% opacity as a three-minute average (from enclosures containing grain receiving operations)  <u>Transferring/Conveying:</u> 0.005 ton PE per year  0.003 ton PM <sub>10</sub> per year  Any visible fugitive PE associated with transferring/conveying operations shall not exceed 0% opacity, as a three-minute average
OAC rule 3745-17-07(B)	see A.2.b
OAC rule 3745-17-08(B)	see A.2.c

**2. Additional Terms and Conditions**

- 2.a The "Best Available Technology" (BAT) control requirements for this emissions unit has been determined to be:

**Issued: 1/30/2007**

- i. use of a three-sided enclosure for the grain receiving operations; and
- ii. use of a total enclosure for transferring/conveying operations.

BAT also includes compliance with the terms and conditions of this permit.

- 2.b** This emissions unit is exempt from the visible particulate emission limitations specified in OAC rule 3745-17-07(B) pursuant to OAC rule 3745-17-07(B)(11)(e).
- 2.c** Mid-Wood, Incorporated is not located within an "Appendix A" area as identified in OAC rule 3745-17-08. Therefore, pursuant to OAC rule 3745-17-08(A), this emissions unit is exempt from the requirements of OAC rule 3745-17-08.

**B. Operational Restrictions**

1. The maximum annual grain throughput for emissions unit F003 shall not exceed 16,560 tons.

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

1. The permittee shall maintain monthly records of the amount of grain throughput for this emissions unit (in tons per month and total tons, to date for the calendar year).
2. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible fugitive particulate emissions from the enclosures containing the receiving operations of this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
  - a. the location and color of the emissions;
  - b. whether the emissions are representative of normal operations;
  - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
  - d. the total duration of any visible emission incident; and,

Emissions Unit ID: **F003**

- e. any corrective actions taken to eliminate the abnormal visible emissions.

If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission incident under item (d.) above or continue the daily check until the incident has ended. The observer may indicate that the visible emission incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.

- 3. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible emissions from the transferring/conveying operations of this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
  - a. the location and color of the emissions;
  - b. whether the emissions are representative of normal operations;
  - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
  - d. the total duration of any visible emission incident; and,
  - e. any corrective actions taken to eliminate the abnormal visible emissions.

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

- 1. The permittee shall submit reports that summarize the total annual amount of grain throughput for this emissions unit. These reports shall be submitted by January 31 of each year and shall cover the previous calendar year.
- 2. The permittee shall submit semiannual written reports that identify:
  - a. all days during which any abnormal visible fugitive particulate emissions were

**Issued: 1/30/2007**

observed from the enclosures containing the receiving operation of this emissions unit.

- b. all days during which any visible particulate emissions were observed from the transferring/conveying operations of this emissions unit.

The reports shall describe any corrective actions taken to eliminate the emissions outlined in items (a.) and (b.) above. These reports shall be submitted to the Director (the Northwest District Office) by January 31 and July 31 of each year and shall cover the previous 6-month period.

## **E. Testing Requirements**

1. Compliance with the emission limitation(s) in Section A.1. of the terms and condition of this permit shall be determined in accordance with the following method(s):

- a. Emission Limitation:  
0.60 tons fugitive PE per year from grain receiving by truck

### Applicable Compliance Method

The emission limitation was developed by multiplying an AP-42 emission factor of 0.18 lbs PE/ton grain (Section 9.9.1 (3/2003)), a maximum annual grain throughput of 16,560 tons, a conversion factor of 1 ton/2000 lbs, and applying a 60% control efficiency for the three-sided enclosure controlling the fugitive emissions from the receiving pit. Therefore, provided compliance is shown with the annual grain throughput restriction, compliance with the annual limitation will be assumed.

- b. Emission Limitation:  
0.20 tons fugitive PM<sub>10</sub> per year from grain receiving by truck

### Applicable Compliance Method

The emission limitation was developed by multiplying an AP-42 emission factor of 0.059 lbs PM<sub>10</sub>/ton grain (Section 9.9.1 (3/2003)), a maximum annual grain throughput of 16,560 tons, a conversion factor of 1 ton/2000 lbs, and applying a 60% control efficiency for the three-sided enclosure controlling the fugitive emissions from the receiving pit. Therefore, provided compliance is shown with the annual grain throughput restriction, compliance with the annual limitation will be assumed.

Emissions Unit ID: **F003**c. Emission Limitation:

Visible fugitive PE shall not exceed 20% opacity as a three-minute average (from enclosures containing grain receiving operations)

Applicable Compliance Method

If required, compliance with the visible emission limitation shall be determined in accordance with Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 2002, and the modifications listed in paragraphs (B)(3)(a) and (B)(3)(b) of OAC rule 3745-17-03.

d. Emission Limitation:

0.005 tons PE per year from transferring/conveying operations

Applicable Compliance Method

The emission limitation was developed by multiplying an AP-42 emission factor of 0.061 lbs PE/ton grain (Section 9.9.1 (3/2003)), a maximum annual grain throughput of 16,560 tons, a conversion factor of 1 ton/2000 lbs and applying 99% control efficiency for a totally enclosed system. Therefore, provided compliance is shown with the annual grain throughput restriction, compliance with the annual limitation will be assumed.

e. Emission Limitation:

0.003 tons PM<sub>10</sub> per year from transferring/conveying operations

Applicable Compliance Method

The emission limitation was developed by multiplying an AP-42 emission factor of 0.034 lbs PM<sub>10</sub>/ton grain (Section 9.9.1 (3/2003)), a maximum annual grain throughput of 16,560 tons, a conversion factor of 1 ton/2000 lbs and applying 99% control efficiency for a totally enclosed system. Therefore, provided compliance is shown with the annual grain throughput restriction, compliance with the annual limitation will be assumed.

f. Emission Limitation:

Any visible PE associated with transferring/conveying operations shall not exceed 0% opacity, as a three-minute average

Applicable Compliance Method

If required, compliance with the visible emission limitation shall be determined in accordance with Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such

**Issued: 1/30/2007**

Appendix existed on July 1, 2002, and the modifications listed in paragraphs (B)(3)(a) and (B)(3)(b) of OAC rule 3745-17-03.

**F. Miscellaneous Requirements**

None

Issued: 1/30/2007

**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 - (F004) - Grain loading operations into trucks**

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05(A)(3)	see A.2.a  0.71 ton fugitive particulate emissions (PE) per year  0.24 ton fugitive particulate matter 10 microns in diameter or less (PM <sub>10</sub> ) per year  Visible fugitive PE shall not exceed 20% opacity, as a 3-minute average from truck loading operations
OAC rule 3745-17-07(B)	see A.2.b
OAC rule 3745-17-08(B)	see A.2.c

**2. Additional Terms and Conditions**

- 2.a The "Best Available Technology" (BAT) control requirements for this emissions unit has been determined to be the use of chute extensions which lower the height of the spouts in order to minimize fugitive emissions. BAT requirements include compliance with the terms and conditions of this permit.
- 2.b This emissions unit is exempt from the visible particulate emission limitations specified in OAC rule 3745-17-07(B) pursuant to OAC rule 3745-17-07(B)(11)(e).
- 2.c Mid-Wood, Incorporated is not located within an "Appendix A" area as identified in OAC rule 3745-17-08. Therefore, pursuant to OAC rule 3745-17-08(A), this emissions unit is exempt from the requirements of OAC rule 3745-17-08.

**B. Operational Restrictions**

1. The maximum annual grain throughput for this emissions unit shall not exceed 16,560 tons.

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

1. The permittee shall maintain monthly records of the amount of grain throughput for this emissions unit (in tons per month and total tons, to date for the calendar year).
2. The permittee shall perform daily checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the truck loading operations. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
  - a. The color and location of the emissions;
  - b. Whether the emissions are representative of normal operations;
  - c. If the emissions are not representative of normal operations, the cause of the abnormal emissions;
  - d. The total duration of any visible emission incident; and,
  - e. Any corrective actions taken to eliminate the abnormal visible emissions.

If visible emissions are present, a visible emission incident has occurred. The observer does not have to document the exact start and end times for the visible emission incident under item (d.) above or continue the daily check until the incident has ended. The observer may indicate that the visible emission incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.

**D. Reporting Requirements**

**Issued: 1/30/2007**

1. The permittee shall submit reports that summarize the total annual amount of grain throughput for this emissions unit. These reports shall be submitted by January 31 of each year and shall cover the previous calendar year.
2. The permittee shall submit semiannual written reports that (a) identify all days during which any abnormal visible fugitive particulate emissions were observed from the truck loading operation and (b) describe any corrective actions taken to eliminate the abnormal visible particulate emissions. These reports shall be submitted to the Director (the Northwest District Office) by January 31 and July 31 of each year and shall cover the previous 6-month period.

**E. Testing Requirements**

1. Compliance with the emission limitation(s) in Section A.1. of the terms and condition of this permit shall be determined in accordance with the following method(s):

- a. Emission Limitation  
0.71 ton fugitive PE per year

Applicable Compliance Method

The emission limitation was established by multiplying an AP-42 emission factor of 0.086 lbs PE/ton grain (Section 9.9.1 (3/2003)) by a maximum annual grain throughput of 16,560 tons of grain, and multiplying by a conversion factor of 1 ton/2000 lbs. Therefore, provided compliance is shown with the maximum annual grain throughput, compliance with the annual limitation will be assumed.

- b. Emission Limitation  
0.24 ton fugitive PM<sub>10</sub> per year

Applicable Compliance Method

The emission limitation was established by multiplying an AP-42 emission factor of 0.029 lbs PM<sub>10</sub>/ton grain (Section 9.9.1 (3/2003)) by a maximum annual grain throughput of 16,560 tons of grain, and multiplying by a conversion factor of 1 ton/2000 lbs. Therefore, provided compliance is shown with the maximum annual grain throughput, compliance with the annual limitation will be assumed.

- c. Emission Limitation  
Visible fugitive PE shall not exceed 20% opacity, as a 3-minute average, during truck loading operations

Mid-Wood, Inc. - Haskins Branch

DTL Application: 02-17210

Facility ID: 0387000208

Emissions Unit ID: **F004**

Applicable Compliance Method

If required, compliance with the visible emission limitation shall be determined in accordance with Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 2002, and the modifications listed in paragraphs (B)(3)(a) and (B)(3)(b) of OAC rule 3745-17-03.

**F. Miscellaneous Requirements**

None

Emissions Unit ID: F004

SIC CODE 5191 SCC CODE A22960000 EMISSIONS UNIT ID F002  
 EMISSIONS UNIT DESCRIPTION Paved and unpaved roadways  
 DATE INSTALLED 1978

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	Paved				0.16
	Unpaved				0.63
PM <sub>10</sub>	Paved				0.03
	Unpaved				0.17
Sulfur Dioxide					
Organic Compounds					
Nitrogen Oxides					
Carbon Monoxide					
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

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

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

**Oiling of the roadways as is deemed necessary per the daily observations required.**

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: \_\_\_\_\_

Mid-Wood, Inc. - Haskins Branch  
 PTI Application: 03-17210  
 Issued: 1/30/2007

Facility ID: 0387000208

Emissions Unit ID: F004

SIC CODE 5191 SCC CODE 3-02-005-51, 3-02-005-37, 3-02-005-02 EMISSIONS UNIT ID F003  
 EMISSIONS UNIT DESCRIPTION Grain receiving by truck as well as transferring and conveying operations  
 DATE INSTALLED 1978

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	Receiving Transferring/Conveying				0.60 0.005
PM <sub>10</sub>	Receiving Transferring/Conveying				0.20 0.003
Sulfur Dioxide					
Organic Compounds					
Nitrogen Oxides					
Carbon Monoxide					
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

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

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

Three-sided enclosure for the receiving operations and totally enclosed system for the transferring and conveying operations.

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: \_\_\_\_\_

Mid-Wood, Inc. - Haskins Branch  
 PTI Application: 03-17210  
 Issued: 1/30/2007

Facility ID: 0387000208

Emissions Unit ID: F004

SIC CODE 5191 SCC CODE 3-02-005-60 EMISSIONS UNIT ID F004  
 EMISSIONS UNIT DESCRIPTION Grain loading operations into trucks  
 DATE INSTALLED 1978

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					0.71
PM <sub>10</sub>					0.24
Sulfur Dioxide					
Organic Compounds					
Nitrogen Oxides					
Carbon Monoxide					
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS? NO

NESHAP? NO

PSD? NO

OFFSET POLICY? NO

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

**Chute extensions to lower the height of the spouts in order to minimize fugitive emissions**

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? NO

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

### **TOXIC AIR CONTAMINANTS**

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

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

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