



State of Ohio Environmental Protection Agency

Street Address:

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

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

Mailing Address:

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

**RE: FINAL PERMIT TO INSTALL  
FRANKLIN COUNTY  
Application No: 01-12004  
Fac ID: 0125041564**

**CERTIFIED MAIL**

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

**DATE: 2/16/2006**

Crane Plastics LP  
Chris Mallory  
2141 Fairwood Ave  
Columbus, OH 43207

Enclosed please find an Ohio EPA Permit to Install which will allow you to install the described source(s) in a manner indicated in the permit. Because this permit contains several conditions and restrictions, I urge you to read it carefully.

The Ohio EPA is urging companies to investigate pollution prevention and energy conservation. Not only will this reduce pollution and energy consumption, but it can also save you money. If you would like to learn ways you can save money while protecting the environment, please contact our Office of Pollution Prevention at (614) 644-3469.

You are hereby notified that this action by the Director is final and may be appealed to the Ohio Environmental Review Appeals Commission pursuant to Chapter 3745.04 of the Ohio Revised Code. The appeal must be in writing and set forth the action complained of and the grounds upon which the appeal is based. It must be filed within thirty (30) days after the notice of the Directors action. A copy of the appeal must be served on the Director of the Ohio Environmental Protection Agency within three (3) days of filing with the Commission. An appeal may be filed with the Environmental Review Appeals Commission at the following address:

Environmental Review Appeals Commission  
309 South Fourth Street, Room 222  
Columbus, Ohio 43215

Sincerely,

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

CC: USEPA

CDO



**Permit To Install  
Terms and Conditions**

**Issue Date: 2/16/2006  
Effective Date: 2/16/2006**

**FINAL PERMIT TO INSTALL 01-12004**

Application Number: 01-12004  
Facility ID: 0125041564  
Permit Fee: **\$2400**  
Name of Facility: Crane Plastics LP  
Person to Contact: Chris Mallory  
Address: 2141 Fairwood Ave  
Columbus, OH 43207

Location of proposed air contaminant source(s) [emissions unit(s)]:  
**2141 Fairwood Avenue  
Columbus, Ohio**

Description of proposed emissions unit(s):  
**6 extruding lines with sanding and brushing vented to a baghouse.**

The above named entity is hereby granted a Permit to Install for the above described emissions unit(s) pursuant to Chapter 3745-31 of the Ohio Administrative Code. Issuance of this permit does not constitute expressed or implied approval or agreement that, if constructed or modified in accordance with the plans included in the application, the above described emissions unit(s) of environmental pollutants will operate in compliance with applicable State and Federal laws and regulations, and does not constitute expressed or implied assurance that if constructed or modified in accordance with those plans and specifications, the above described emissions unit(s) of pollutants will be granted the necessary permits to operate (air) or NPDES permits as applicable.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Director

## **Part I - GENERAL TERMS AND CONDITIONS**

### **A. Permit to Install General Terms and Conditions**

#### **1. Compliance Requirements**

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

#### **2. Reporting Requirements**

The permittee shall submit required reports in the following manner:

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

#### **3. Records Retention Requirements**

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

#### **4. Inspections and Information Requests**

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

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

**5. Scheduled Maintenance/Malfunction Reporting**

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

**6. Permit Transfers**

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

**7. Air Pollution Nuisance**

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

**8. Termination of Permit to Install**

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

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

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

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

If the construction of the proposed emissions unit(s) has already begun or has been completed prior to the date the Director of the Environmental Protection Agency approves the permit application and plans, the approval does not constitute expressed or implied assurance that the proposed facility has been constructed in accordance with the approved plans. The action of beginning and/or completing construction prior to obtaining the Director's approval constitutes a violation of OAC rule 3745-31-02. Furthermore, issuance of the Permit to Install does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. Approval of the plans in any case is not to be construed as an approval of the facility as constructed and/or completed. Moreover, issuance of the Permit to Install is not to be construed as a waiver of any rights that the Ohio Environmental Protection Agency (or other persons) may have against the applicant for starting construction prior to the effective date of the permit. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed facilities cannot meet the requirements of this permit or cannot meet applicable standards.

**10. Public Disclosure**

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

**11. Applicability**

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

**12. Best Available Technology**

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

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

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

permit and all applicable air pollution laws, regulations, and policies. Pursuant to OAC Chapter 3745-35, the permittee shall submit a complete operating permit application within ninety (90) days after commencing operation of the emissions unit(s) covered by this permit.

#### **14. Construction Compliance Certification**

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

#### **15. Fees**

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

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

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

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

<u>Pollutant</u>	<u>Tons Per Year</u>
OC	5.3
PE	2.9

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

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

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P007 - Pneumatic loading of granular resin to storage silos with venting to a baghouse (Terms in this permit supersede those identified in PTI 01-01318 issued on 9/29/2005 for this emissions unit.)	OAC rule 3745-31-05(A)(3)	Particulate emissions (PE) from the bag house stack serving this emission unit shall not exceed 0.07 lb/hr and 0.31 ton/yr.  There shall be no visible particulate emissions from the outlet of the exhaust stack.
	OAC rule 3745-17-07(B) and OAC rule 3745-17-08(B)(3)	See A.2.a below.
	OAC rule 3745-17-07(A) and OAC rule 3745-17-11(B)	See A.2.b below.
		See A.2.c below.

**2. Additional Terms and Conditions**

- 2.a The 0.07 lb PE/hr and 0.31 ton PE/yr limitations from the bag house stacks for this emissions unit were established to reflect the maximum potential to emit. Therefore, no additional monitoring, recordkeeping and/or reporting other than the parametric monitoring of the baghouse is necessary to ensure compliance with these limits.
- 2.b The requirements established pursuant to OAC rule 3745-17-07(B) and OAC rule 3745-17-08(B) are equivalent to or less stringent than the requirements established pursuant to OAC rule 3745-31-05(A)(3).
- 2.c The requirements established pursuant to OAC rule 3745-17-07(A) and OAC rule 3745-17-11(B) are less stringent than the requirements established pursuant to OAC rule 3745-31-05(A)(3).

**B. Operational Restrictions**

1. The pressure drop across the baghouse shall be maintained within the range of 1 to 8 inches of water, while the emissions unit is in operation.

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

1. The permittee shall properly install, operate, and maintain equipment to monitor the pressure drop across the baghouse while the emission unit is in operation. The monitoring equipment shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual. The permittee shall record the pressure drop across the bag house on a daily basis.
2. The permittee shall perform weekly checks, when the emissions unit is in operation, and when the weather conditions allow, for any visible particulate emissions from the bag house stack serving this emissions unit. No inspections are required on days when pneumatic loading is not in operation. The presence or absence of any visible particulate emissions shall be recorded in an operations log.

If visible particulate emissions are observed, the permittee shall note the following in the operations log:

- a. the total duration of any visible emission incident; and
- b. any corrective actions taken to eliminate the visible emissions.

**D. Reporting Requirements**

1. In accordance with paragraph A.2.b of the General Terms and Conditions, the permittee shall submit quarterly deviation (excursion) reports that identify all time periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above.
2. The permittee shall submit quarterly deviation (excursion) reports which note the following:
  - a. identify all days during which any visible particulate emissions were observed from the baghouse stack serving this emissions unit; and
  - b. describe any corrective actions taken to eliminate the visible particulate emissions.

These reports are due by the date described in Part I - General Terms and Conditions of this permit under Section A.

**E. Testing Requirements**

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

- a. **Emission Limitation:**  
Particulate emissions (PE) from the bag house stack shall not exceed 0.07 lb/hr and 0.31 ton/yr.

**Applicable Compliance Method:**

The hourly PE emission rate may be derived by calculation using the maximum transfer rate multiplied by an emission factor for pneumatic conveying of talc (AP-42 Table 11.26-1) multiplied by the control efficiency of the baghouse, as follows:

$10 \text{ tons resin/hr} * 0.14 \text{ lb PE/ton resin (SCC 3-05-089)} * (1 - 0.95 \text{ control}) = 0.07 \text{ lb PE/hr.}$

If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5 and the procedures specified in OAC rule 3745-17-03(B)(10).

The annual PE emission rate may be derived from the maximum hourly emission rate multiplied by 8,760 hours per year and divided by 2,000 lbs/ton, as follows:  
 $0.07 \text{ lb PE/hr} * 8,760 \text{ hrs/yr} * 1 \text{ ton}/2,000 \text{ lbs} = 0.31 \text{ ton/yr.}$

- b. **Emission Limitation:**  
There shall be no visible particulate emissions from the outlet of the exhaust stack.

**Applicable Compliance Method:**

If required, compliance with the visible emission limitation for the operation identified above shall be determined in accordance with Test Method 22 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, 1997.

**F. Miscellaneous Requirements**

None

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

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

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P008 - Composite Wood Product Extrusion Line 58 with brushing and sawing vented to a baghouse	OAC rule 3745-31-05(A)(3)	Particulate emissions (PE) from the bag house stack serving emissions units P008, P009, P010, P011, P012 and P013 shall not exceed 0.6 lb/hr and 2.6 tons/yr.
		Organic compound (OC) emissions from this emissions unit shall not exceed 0.2 lb/hr and 0.88 ton/yr.
		There shall be no visible particulate emissions from the outlet of the exhaust stack.
		See sections A.2.a, A.2.b and A.2.c below.
	OAC rule 3745-17-07(B) and OAC rule 3745-17-08(B)(3)	See section A.2.d below.
	OAC rule 3745-17-07(A) and OAC rule 3745-17-11(B)	See section A.2.e below.

**2. Additional Terms and Conditions**

- 2.a The 0.6 lb PE/hr and 2.6 ton PE/yr limitations from the bag house stack for this emissions unit were established to reflect the maximum potential to emit. Therefore, no additional monitoring, recordkeeping and/or reporting other than the parametric monitoring of the baghouse is necessary to ensure compliance with these limits.
- 2.b The permittee shall operate and maintain the dust collection system and vent emissions to the bag house according to manufacturer's specifications to maximize capture efficiency and control capabilities.

- 2.c** The transfer of baghouse dust shall be adequately enclosed so as to eliminate visible emissions of fugitive dust at all times. Any visible emissions of dust emanating during transfer shall be cause for the immediate halt of the unloading process until the situation is corrected.
- 2.d** The requirements established pursuant to OAC rule 3745-17-07(B) and OAC rule 3745-17-08(B) are equivalent to or less stringent than the requirements established pursuant to OAC rule 3745-31-05(A)(3).
- 2.e** The requirements established pursuant to OAC rule 3745-17-07(A) and OAC rule 3745-17-11(B) are less stringent than the requirements established pursuant to OAC rule 3745-31-05(A)(3).

**B. Operational Restrictions**

- 1. The pressure drop across the baghouse shall be maintained within the range of 1 to 8 inches of water, while the emissions unit is in operation.

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

- 1. The permittee shall properly install, operate, and maintain equipment to monitor the pressure drop across the baghouse while the emission unit is in operation. The monitoring equipment shall be installed, calibrated, operates and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual. The permittee shall record the pressure drop across the bag house on a daily basis.
- 2. The permittee shall perform weekly checks, when the emissions unit is in operation, and when the weather conditions allow, for any visible particulate emissions from the bag house stack serving this emissions unit. No inspections are required on days when brushing and sawing are not in operation. The presence or absence of any visible particulate emissions shall be recorded in an operations log.

If visible particulate emissions are observed, the permittee shall note the following in the operations log:

- a. the total duration of any visible emission incident; and
- b. any corrective actions taken to eliminate the visible emissions.

**D. Reporting Requirements**

- 1. In accordance with paragraph A.2.b of the General Terms and Conditions, the permittee shall submit quarterly deviation (excursion) reports that identify all time periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above.
- 2. The permittee shall submit quarterly deviation (excursion) reports which note the following:

- a. identify all days during which any visible particulate emissions were observed from the baghouse stack serving this emissions unit; and
- b. describe any corrective actions taken to eliminate the visible particulate emissions.

These reports are due by the date described in Part I - General Terms and Conditions of this permit under Section A.

## **E. Testing Requirements**

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

- a. **Emission Limitation:**  
Particulate emissions (PE) from the bag house stack serving emissions units P008, P009, P010, P011, P012 and P013 shall not exceed 0.6 lb/hr and 2.6 tons/yr.

**Applicable Compliance Method:**

The hourly PE emission rate may be derived by calculation based on the baghouse exhaust air flow and an allowable of 0.01 gr/dscf (SCC 3-07-016-61), as follows:  
 $7,000 \text{ cf/min (stack gas flow)} * 0.01 \text{ gr/dscf} * 60 \text{ min/hr} * 1 \text{ lb PE/7,000 gr} = 0.6 \text{ lbs PE/hr}$

If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5 and the procedures specified in OAC rule 3745-17-03(B)(10)

The annual PE emission rate may be derived from the maximum hourly emission rate multiplied by 8,760 hours per year and divided by 2,000 lbs/ton, as follows:  
 $0.6 \text{ lb PE/hr} * 8,760 \text{ hrs/yr} * 1 \text{ ton/2,000 lbs} = 2.6 \text{ tons PE/yr.}$

- b. **Emission Limitation:**  
Organic compound (OC) emissions from this emission unit shall not exceed 0.2 lb/hr and 0.88 ton/yr.

**Applicable Compliance Method:**

The hourly OC emission rate may be derived from emission test data as referenced in the permit application at a maximum process weight rate of 0.5 ton/hr resulting in 0.2 lb OC/hr.

The annual OC emission rate may be derived from the maximum hourly emission rate multiplied by 8,760 hours per year and divided by 2,000 lbs/ton, as follows:  
 $0.2 \text{ lb OC/hr} * 8,760 \text{ hrs/yr} * 1 \text{ ton}/2,000 \text{ lbs} = 0.88 \text{ ton OC/yr}.$

c. **Emission Limitation:**

There shall be no visible particulate emissions from the outlet of the exhaust stack.

**Applicable Compliance Method:**

If required, compliance with the visible emission limitation for the operation identified above shall be determined in accordance with Test Method 22 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, 1997.

**F. Miscellaneous Requirements**

None

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

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

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P009 - Composite Wood Product Extrusion Line 94 with brushing and sawing vented to a baghouse	OAC rule 3745-31-05(A)(3)	Particulate emissions (PE) from the bag house stack serving emissions units P008, P009, P010, P011, P012 and P013 shall not exceed 0.6 lb/hr and 2.6 tons/yr.
		Organic compound (OC) emissions from this emission unit shall not exceed 0.2 lb/hr and 0.88 ton/yr.
		There shall be no visible particulate emissions from the outlet of the exhaust stack.
		See sections A.2.a, A.2.b and A.2.c below.
	OAC rule 3745-17-07(B) and OAC rule 3745-17-08(B)(3)	See sections A.2.d below.
	OAC rule 3745-17-07(A) and OAC rule 3745-17-11(B)	See section A.2.e below.

**2. Additional Terms and Conditions**

- 2.a The 0.6 lb PE/hr and 2.6 tons PE/yr limitations from the bag house stack for this emissions unit were established to reflect the maximum potential to emit. Therefore, no additional monitoring, recordkeeping and/or reporting other than the parametric monitoring of the baghouse is necessary to ensure compliance with these limits.

- 2.b** The permittee shall operate and maintain the dust collection system and vent emissions to the bag house according to manufacturer's specifications to maximize capture efficiency and control capabilities.
- 2.c** The transfer of bag house dust shall be adequately enclosed so as to eliminate visible emissions of fugitive dust at all times. Any visible emissions of dust emanating during transfer shall be cause for the immediate halt of the unloading process until the situation is corrected.
- 2.d** The requirements established pursuant to OAC rule 3745-17-07(B) and OAC rule 3745-17-08(B) are equivalent to or less stringent than the requirements established pursuant to OAC rule 3745-31-05(A)(3).
- 2.e** The requirements established pursuant to OAC rule 3745-17-07(A) and OAC rule 3745-17-11(B) are less stringent than the requirements established pursuant to OAC rule 3745-31-05(A)(3).

**B. Operational Restrictions**

- 1. The pressure drop across the baghouse shall be maintained within the range of 1 to 8 inches of water, while the emissions unit is in operation.

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

- 1. The permittee shall properly install, operate, and maintain equipment to monitor the pressure drop across the baghouse while the emission unit is in operation. The monitoring equipment shall be installed, calibrated, operates and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual. The permittee shall record the pressure drop across the bag house on a daily basis.
- 2. The permittee shall perform weekly checks, when the emissions unit is in operation, and when the weather conditions allow, for any visible particulate emissions from the bag house stack serving this emissions unit. No inspections are required on days when brushing and sawing are not in operation. The presence or absence of any visible particulate emissions shall be recorded in an operations log.

If visible particulate emissions are observed, the permittee shall note the following in the operations log:

- a. the total duration of any visible emission incident; and
- b. any corrective actions taken to eliminate the visible emissions.

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

1. In accordance with paragraph A.2.b of the General Terms and Conditions, the permittee shall submit quarterly deviation (excursion) reports that identify all time periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above.
2. The permittee shall submit quarterly deviation (excursion) reports which note the following:
  - a. identify all days during which any visible particulate emissions were observed from the baghouse stack serving this emissions unit; and
  - b. describe any corrective actions taken to eliminate the visible particulate emissions.

These reports are due by the date described in Part I - General Terms and Conditions of this permit under Section A.

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

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

- a. **Emission Limitation:**  
Particulate emissions (PE) from the bag house stack serving emissions units P008, P009, P010, P011, P012 and P013 shall not exceed 06 lb/hr and 2.6 tons/yr.

**Applicable Compliance Method:**

The hourly PE emission rate may be derived by calculation based on the baghouse exhaust air flow and an allowable of 0.01 gr/dscf (SCC 3-07-016-61), as follows:  
 $7,000 \text{ cf/min (stack gas flow)} * 0.01 \text{ gr/dscf} * 60 \text{ min/hr} * 1 \text{ lb PE/7,000 gr} = 0.6 \text{ lb PE/hr}$

If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5 and the procedures specified in OAC rule 3745-17-03(B)(10)

The annual PE emission rate may be derived from the maximum hourly emission rate multiplied by 8,760 hours per year and divided by 2,000 lbs/ton, as follows:  
 $0.6 \text{ lb PE/hr} * 8760 \text{ hrs/yr} * 1 \text{ ton/2,000 lbs} = 2.6 \text{ tons PE/yr.}$

- b. **Emission Limitation:**  
Organic compound (OC) emissions from this emission unit shall not exceed 0.2 lb/hr and 0.88 ton/yr.

**Applicable Compliance Method:**

The hourly OC emission rate may be derived from emission test data as referenced in the permit application at a maximum process weight rate of 0.5 ton/hr resulting in 0.2 lb OC/hr.

The annual OC emission rate may be derived from the maximum hourly emission rate multiplied by 8,760 hours per year and divided by 2,000 lbs/ton, as follows:  
 $0.2 \text{ lb OC/hr} * 8,760 \text{ hrs/yr} * 1 \text{ ton}/2,000 \text{ lbs} = 0.88 \text{ ton OC/yr.}$

c. **Emission Limitation:**

There shall be no visible particulate emissions from the outlet of the exhaust stack.

**Applicable Compliance Method:**

If required, compliance with the visible emission limitation for the operation identified above shall be determined in accordance with Test Method 22 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, 1997.

**F. Miscellaneous Requirements**

None

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

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

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P010 - Composite Wood Product Extrusion Line 95 with brushing and sawing vented to baghouse	OAC rule 3745-31-05(A)(3)	Particulate emissions (PE) from the bag house stack serving emissions units P008, P009, P010, P011, P012 and P013 shall not exceed 0.6 lb/hr and 2.6 tons/yr.
		Organic compound (OC) emissions from this emission unit shall not exceed 0.2 lb/hr and 0.88 ton/yr.
		There shall be no visible particulate emissions from the outlet of the exhaust stack.
		See section A.2.a, A.2.b and A.2.c below.
	OAC rule 3745-17-07(B) and OAC rule 3745-17-08(B)(3)	See A.2.d below.
	OAC rule 3745-17-07(A) and OAC rule 3745-17-11(B)	See A.2.e below.

**2. Additional Terms and Conditions**

- 2.a The 0.6 lb PE/hr and 2.6 tons PE/yr limitations from the bag house stack for this emissions unit were established to reflect the maximum potential to emit. Therefore, no additional monitoring, recordkeeping and/or reporting other than the parametric monitoring of the baghouse is necessary to ensure compliance with these limits.
- 2.b The permittee shall operate and maintain the dust collection system and vent emissions to the bag house according to manufacturer's specifications to maximize capture efficiency and control capabilities.

- 2.c** The transfer of baghouse dust shall be adequately enclosed so as to eliminate visible emissions of fugitive dust at all times. Any visible emissions of dust emanating during transfer shall be cause for the immediate halt of the unloading process until the situation is corrected.
- 2.d** The requirements established pursuant to OAC rule 3745-17-07(B) and OAC rule 3745-17-08(B) are equivalent to or less stringent than the requirements established pursuant to OAC rule 3745-31-05(A)(3).
- 2.e** The requirements established pursuant to OAC rule 3745-17-07(A) and OAC rule 3745-17-11(B) are less stringent than the requirements established pursuant to OAC rule 3745-31-05(A)(3).

**B. Operational Restrictions**

- 1. The pressure drop across the baghouse shall be maintained within the range of 1 to 8 inches of water, while the emissions unit is in operation.

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

- 1. The permittee shall properly install, operate, and maintain equipment to monitor the pressure drop across the baghouse while the emission unit is in operation. The monitoring equipment shall be installed, calibrated, operates and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual. The permittee shall record the pressure drop across the bag house on a daily basis.
- 2. The permittee shall perform weekly checks, when the emissions unit is in operation, and when the weather conditions allow, for any visible particulate emissions from the bag house stack serving this emissions unit. No inspections are required on days when brushing and sawing are not in operation. The presence or absence of any visible particulate emissions shall be recorded in an operations log.

If visible particulate emissions are observed, the permittee shall note the following in the operations log:

- a. the total duration of any visible emission incident; and
- b. any corrective actions taken to eliminate the visible emissions.

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

1. In accordance with paragraph A.2.b of the General Terms and Conditions, the permittee shall submit quarterly deviation (excursion) reports that identify all time periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above.
2. The permittee shall submit quarterly deviation (excursion) reports which note the following:
  - a. identify all days during which any visible particulate emissions were observed from any fabric filter serving this emissions unit; and
  - b. describe any corrective actions taken to eliminate the visible particulate emissions.

These reports are due by the date described in Part I - General Terms and Conditions of this permit under Section A.

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

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

- a. **Emission Limitation:**  
Particulate emissions (PE) from the bag house stack serving emissions units P008, P009, P010, P011, P012 and P013 shall not exceed 0.6 lb/hr and 2.6 tons/yr.

**Applicable Compliance Method:**

The hourly PE emission rate may be derived by calculation based on the baghouse exhaust air flow and an allowable of 0.01 gr/dscf (SCC 3-07-016-61), as follows:  
 $7,000 \text{ cf/min (stack gas flow)} * 0.01 \text{ gr/dscf} * 60 \text{ min/hr} * 1 \text{ lb PE/7,000 gr} = 0.6 \text{ lb PE/hr}$

If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5 and the procedures specified in OAC rule 3745-17-03(B)(10)

The annual PE emission rate may be derived from the maximum hourly emission rate multiplied by 8,760 hours per year and divided by 2,000 lbs/ton, as follows:  
 $0.6 \text{ lb PE/hr} * 8,760 \text{ hrs/yr} * 1 \text{ ton/2,000 lbs} = 2.6 \text{ tons PE/yr.}$

- b. **Emission Limitation:**  
Organic compound (OC) emissions from this emission unit shall not exceed 0.2 lb/hr and 0.88 ton/yr.

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**Emissions Unit ID: P010**

**Applicable Compliance Method:**

The hourly OC emission rate may be derived from emission test data as referenced in the permit application at a maximum process weight rate of 0.5 ton/hr resulting in 0.2 lb OC/hr.

The annual OC emission rate may be derived from the maximum hourly emission rate multiplied by 8,760 hours per year and divided by 2,000 lbs/ton, as follows:  
 $0.2 \text{ lb OC/hr} * 8,760 \text{ hrs/yr} * 1 \text{ ton}/2,000 \text{ lbs} = 0.88 \text{ ton OC/yr.}$

c. **Emission Limitation:**

There shall be no visible particulate emissions from the outlet of the exhaust stack.

**Applicable Compliance Method:**

If required, compliance with the visible emission limitation for the operation identified above shall be determined in accordance with Test Method 22 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, 1997.

**F. Miscellaneous Requirements**

None

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

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

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P011 - Composite Wood Product Extrusion Line 96 with brushing and sawing vented to a baghouse	OAC rule 3745-31-05(A)(3)	Particulate emissions (PE) from the bag house stack serving emissions units P008, P009, P010, P011, P012 and P013 shall not exceed 0.6 lb/hr and 2.6 tons/yr.
		Organic compound (OC) emissions from this emission unit shall not exceed 0.2 lb/hr and 0.88 ton/yr.
		There shall be no visible particulate emissions from the outlet of the exhaust stack.
	OAC rule 3745-17-07(B) and OAC rule 3745-17-08(B)(3)	See sections A.2.a, A.2.b and A.2.c below.
	OAC rule 3745-17-07(A) and OAC rule 3745-17-11(B)	See section A.2.d below.
		See section A.2.e below.

**2. Additional Terms and Conditions**

- 2.a The 0.6 lb PE/hr and 2.6 tons PE/yr limitations from the bag house stack for this emissions unit were established to reflect the maximum potential to emit. Therefore, no additional monitoring, recordkeeping and/or reporting other than the parametric monitoring of the baghouse is necessary to ensure compliance with these limits.

- 2.b** The permittee shall operate and maintain the dust collection system and vent emissions to the bag house according to manufacturer's specifications to maximize capture efficiency and control capabilities.
- 2.c** The transfer of baghouse dust shall be adequately enclosed so as to eliminate visible emissions of fugitive dust at all times. Any visible emissions of dust emanating during transfer shall be cause for the immediate halt of the unloading process until the situation is corrected.
- 2.d** The requirements established pursuant to OAC rule 3745-17-07(B) and OAC rule 3745-17-08(B) are equivalent to or less stringent than the requirements established pursuant to OAC rule 3745-31-05(A)(3).
- 2.e** The requirements established pursuant to OAC rule 3745-17-07(A) and OAC rule 3745-17-11(B) are less stringent than the requirements established pursuant to OAC rule 3745-31-05(A)(3).

**B. Operational Restrictions**

- 1. The pressure drop across the baghouse shall be maintained within the range of 1 to 8 inches of water, while the emissions unit is in operation.

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

- 1. The permittee shall properly install, operate, and maintain equipment to monitor the pressure drop across the baghouse while the emission unit is in operation. The monitoring equipment shall be installed, calibrated, operates and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual. The permittee shall record the pressure drop across the bag house on a daily basis.
- 2. The permittee shall perform weekly checks, when the emissions unit is in operation, and when the weather conditions allow, for any visible particulate emissions from the bag house stack serving this emissions unit. No inspections are required on days when brushing and sawing are not in operation. The presence or absence of any visible particulate emissions shall be recorded in an operations log.

If visible particulate emissions are observed, the permittee shall note the following in the operations log:

- a. the total duration of any visible emission incident; and
- b. any corrective actions taken to eliminate the visible emissions.

**D. Reporting Requirements**

- 1. In accordance with paragraph A.2.b of the General Terms and Conditions, the permittee shall submit quarterly deviation (excursion) reports that identify all time periods of time

during which the pressure drop across the baghouse did not comply with the allowable range specified above.

2. The permittee shall submit quarterly deviation (excursion) reports which note the following:
  - a. identify all days during which any visible particulate emissions were observed from the baghouse stack serving this emissions unit; and
  - b. describe any corrective actions taken to eliminate the visible particulate emissions.

These reports are due by the date described in Part I - General Terms and Conditions of this permit under Section A.

## **E. Testing Requirements**

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

- a. **Emission Limitation:**  
Particulate emissions (PE) from the bag house stack serving emissions units P008, P009, P010, P011, P012 and P013 shall not exceed 0.6 lb/hr and 2.6 tons/yr.

**Applicable Compliance Method:**

The hourly PE emission rate may be derived by calculation based on the baghouse exhaust air flow and an allowable of 0.01 gr/dscf (SCC 3-07-016-61), as follows:  
 $7,000 \text{ cf/min (stack gas flow)} * 0.01 \text{ gr/dscf} * 60 \text{ min/hr} * 1 \text{ lb PE}/7,000 \text{ gr} = 0.6 \text{ lb PE/hr}$

If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5 and the procedures specified in OAC rule 3745-17-03(B)(10)

The annual PE emission rate may be derived from the maximum hourly emission rate multiplied by 8,760 hours per year and divided by 2,000 lbs/ton, as follows:  
 $0.6 \text{ lb PE/hr} * 8760 \text{ hrs/yr} * 1 \text{ ton}/2,000 \text{ lbs} = 2.6 \text{ tons PE/yr.}$

- b. **Emission Limitation:**  
Organic compound (OC) emissions from this emission unit shall not exceed 0.2 lb/hr and 0.88 ton/yr.

**Applicable Compliance Method:**

The hourly OC emission rate may be derived from emission test data as referenced in the permit application at a maximum process weight rate of 0.5 ton/hr resulting in 0.2 lb OC/hr.

The annual OC emission rate may be derived from the maximum hourly emission rate multiplied by 8,760 hours per year and divided by 2,000 lbs/ton, as follows:  
 $0.2 \text{ lb OC/hr} * 8,760 \text{ hrs/yr} * 1 \text{ ton}/2,000 \text{ lbs} = 0.88 \text{ ton OC/yr.}$

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**Issued: 2/16/2006**

**Facility ID: 0125041564**  
**Emissions Unit ID: P011**

- c. **Emission Limitation:**  
There shall be no visible particulate emissions from the outlet of the exhaust stack.

**Applicable Compliance Method:**

If required, compliance with the visible emission limitation for the operation identified above shall be determined in accordance with Test Method 22 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, 1997.

**F. Miscellaneous Requirements**

None

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

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

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P012 - Composite Wood Product Extrusion Line 97 with brushing and sawing vented to a baghouse	OAC rule 3745-31-05(A)(3)	Particulate emissions (PE) from the bag house stack serving emissions units P008, P009, P010, P011, P012 and P013 shall not exceed 0.6 lb/hr and 2.6 tons/yr.
		Organic compound (OC) emissions from this emission unit shall not exceed 0.2 lb/hr and 0.88 ton/yr.
		There shall be no visible particulate emissions from the outlet of the exhaust stack.
		See sections A.2.a, A.2.b and A.2.c below.
	OAC rule 3745-17-07(B) and OAC rule 3745-17-08(B)(3)	See section A.2.d below.
	OAC rule 3745-17-07(A) and OAC rule 3745-17-11(B)	See section A.2.e below.

**2. Additional Terms and Conditions**

- 2.a The 0.6 lb PE/hr and 2.6 tons PE/yr limitations from the bag house stack for this emissions unit were established to reflect the maximum potential to emit. Therefore, no additional monitoring, recordkeeping and/or reporting other than the parametric monitoring of the baghouse is necessary to ensure compliance with these limits.

- 2.b** The permittee shall operate and maintain the dust collection system and vent emissions to the bag house according to manufacturer's specifications to maximize capture efficiency and control capabilities.
- 2.c** The transfer of baghouse dust shall be adequately enclosed so as to eliminate visible emissions of fugitive dust at all times. Any visible emissions of dust emanating during transfer shall be cause for the immediate halt of the unloading process until the situation is corrected.
- 2.d** The requirements established pursuant to OAC rule 3745-17-07(B) and OAC rule 3745-17-08(B) are equivalent to or less stringent than the requirements established pursuant to OAC rule 3745-31-05(A)(3).
- 2.e** The requirements established pursuant to OAC rule 3745-17-07(A) and OAC rule 3745-17-11(B) are less stringent than the requirements established pursuant to OAC rule 3745-31-05(A)(3).

**B. Operational Restrictions**

- 1. The pressure drop across the baghouse shall be maintained within the range of 1 to 8 inches of water, while the emissions unit is in operation.

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

- 1. The permittee shall properly install, operate, and maintain equipment to monitor the pressure drop across the baghouse while the emission unit is in operation. The monitoring equipment shall be installed, calibrated, operates and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual. The permittee shall record the pressure drop across the bag house on a daily basis.
- 2. The permittee shall perform weekly checks, when the emissions unit is in operation, and when the weather conditions allow, for any visible particulate emissions from the bag house stack serving this emissions unit. No inspections are required on days when brushing and sawing are not in operation. The presence or absence of any visible particulate emissions shall be recorded in an operations log.

If visible particulate emissions are observed, the permittee shall note the following in the operations log:

- a. the total duration of any visible emission incident; and
- b. any corrective actions taken to eliminate the visible emissions.

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

1. In accordance with paragraph A.2.b of the General Terms and Conditions, the permittee shall submit quarterly deviation (excursion) reports that identify all time periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above.
2. The permittee shall submit quarterly deviation (excursion) reports which note the following:
  - a. identify all days during which any visible particulate emissions were observed from the baghouse stack serving this emissions unit; and
  - b. describe any corrective actions taken to eliminate the visible particulate emissions.

These reports are due by the date described in Part I - General Terms and Conditions of this permit under Section A.

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

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

- a. **Emission Limitation:**  
Particulate emissions (PE) from the bag house stack serving emissions units P008, P009, P010, P011, P012 and P013 shall not exceed 0.6 lb/hr and 2.6 tons/yr.

**Applicable Compliance Method:**

The hourly PE emission rate may be derived by calculation based on the baghouse exhaust air flow and an allowable of 0.01 gr/dscf (SCC 3-07-016-61), as follows:  
 $7,000 \text{ cf/min (stack gas flow)} * 0.01 \text{ gr/dscf} * 60 \text{ min/hr} * 1 \text{ lb PE/7,000 gr} = 0.6 \text{ lb PE/hr}$

If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5 and the procedures specified in OAC rule 3745-17-03(B)(10)

The annual PE emission rate may be derived from the maximum hourly emission rate multiplied by 8,760 hours per year and divided by 2,000 lbs/ton, as follows:  
 $0.6 \text{ lb PE/hr} * 8760 \text{ hrs/yr} * 1 \text{ ton/2,000 lbs} = 2.6 \text{ tons PE/yr.}$

- b. **Emission Limitation:**  
Organic compound (OC) emissions from this emission unit shall not exceed 0.2 lb/hr and 0.88 ton/yr.

**Applicable Compliance Method:**

The hourly OC emission rate may be derived from emission test data as referenced in the permit application at a maximum process weight rate of 0.5 ton/hr resulting in 0.2 lb OC/hr.

The annual OC emission rate may be derived from the maximum hourly emission rate multiplied by 8,760 hours per year and divided by 2,000 lbs/ton, as follows:  
 $0.2 \text{ lb OC/hr} * 8,760 \text{ hrs/yr} * 1 \text{ ton}/2,000 \text{ lbs} = 0.88 \text{ ton OC/yr.}$

c. **Emission Limitation:**

There shall be no visible particulate emissions from the outlet of the exhaust stack.

**Applicable Compliance Method:**

If required, compliance with the visible emission limitation for the operation identified above shall be determined in accordance with Test Method 22 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, 1997.

**F. Miscellaneous Requirements**

None

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

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

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P013 - Composite Wood Product Extrusion Line 98 with brushing and sawing vented to a baghouse	OAC rule 3745-31-05(A)(3)	Particulate emissions (PE) from the bag house stack serving emissions units P008, P009, P010, P011, P012 and P013 shall not exceed 0.6 lb/hr and 2.6 tons/yr.
		Organic compound (OC) emissions from this emission unit shall not exceed 0.2 lb/hr and 0.88 ton/yr.
		There shall be no visible particulate emissions from the outlet of the exhaust stack.
		See sections A.2.a, A.2.b and A.2.c below.
	OAC rule 3745-17-07(B) and OAC rule 3745-17-08(B)(3)	See section A.2.d below.
	OAC rule 3745-17-07(A) and OAC rule 3745-17-11(B)	See section A.2.e below.

**2. Additional Terms and Conditions**

- 2.a The 0.6 lb PE/hr and 2.6 tons PE/yr limitations from the bag house stack for this emissions unit were established to reflect the maximum potential to emit. Therefore, no additional monitoring, recordkeeping and/or reporting other than the parametric monitoring of the baghouse is necessary to ensure compliance with these limits.

- 2.b** The permittee shall operate and maintain the dust collection system and vent emissions to the bag house according to manufacturer's specifications to maximize capture efficiency and control capabilities.
- 2.c** The transfer of baghouse dust shall be adequately enclosed so as to eliminate visible emissions of fugitive dust at all times. Any visible emissions of dust emanating during transfer shall be cause for the immediate halt of the unloading process until the situation is corrected.
- 2.d** The requirements established pursuant to OAC rule 3745-17-07(B) and OAC rule 3745-17-08(B) are equivalent to or less stringent than the requirements established pursuant to OAC rule 3745-31-05(A)(3).
- 2.e** The requirements established pursuant to OAC rule 3745-17-07(A) and OAC rule 3745-17-11(B) are less stringent than the requirements established pursuant to OAC rule 3745-31-05(A)(3).

**B. Operational Restrictions**

- 1. The pressure drop across the baghouse shall be maintained within the range of 1 to 8 inches of water, while the emissions unit is in operation.

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

- 1. The permittee shall properly install, operate, and maintain equipment to monitor the pressure drop across the baghouse while the emission unit is in operation. The monitoring equipment shall be installed, calibrated, operates and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual. The permittee shall record the pressure drop across the bag house on a daily basis.
- 2. The permittee shall perform weekly checks, when the emissions unit is in operation, and when the weather conditions allow, for any visible particulate emissions from the bag house stack serving this emissions unit. No inspections are required on days when brushing and sawing are not in operation. The presence or absence of any visible particulate emissions shall be recorded in an operations log.

If visible particulate emissions are observed, the permittee shall note the following in the operations log:

- a. the total duration of any visible emission incident; and
- b. any corrective actions taken to eliminate the visible emissions.

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

1. In accordance with paragraph A.2.b of the General Terms and Conditions, the permittee shall submit quarterly deviation (excursion) reports that identify all time periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above.
2. The permittee shall submit quarterly deviation (excursion) reports which note the following:
  - a. identify all days during which any visible particulate emissions were observed from the baghouse stack serving this emissions unit; and
  - b. describe any corrective actions taken to eliminate the visible particulate emissions.

These reports are due by the date described in Part I - General Terms and Conditions of this permit under Section A.

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

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

- a. **Emission Limitation:**  
Particulate emissions (PE) from the bag house stack serving emissions units P008, P009, P010, P011, P012 and P013 shall not exceed 0.6 lbs/hr and 2.6 tons/yr.

**Applicable Compliance Method:**

The hourly PE emission rate may be derived by calculation based on the baghouse exhaust air flow and an allowable of 0.01 gr/dscf (SCC 3-07-016-61), as follows:  
 $7,000 \text{ cf/min (stack gas flow)} * 0.01 \text{ gr/dscf} * 60 \text{ min/hr} * 1 \text{ lb PE/7,000 gr} = 0.6 \text{ lb PE/hr}$

If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5 and the procedures specified in OAC rule 3745-17-03(B)(10)

The annual PE emission rate may be derived from the maximum hourly emission rate multiplied by 8,760 hours per year and divided by 2,000 lbs/ton, as follows:  
 $0.6 \text{ lb PE/hr} * 8760 \text{ hrs/yr} * 1 \text{ ton/2,000 lbs} = 2.6 \text{ tons PE/yr.}$

- b. **Emission Limitation:**  
Organic compound (OC) emissions from this emission unit shall not exceed 0.2 lb/hr and 0.88 ton/yr.

**Applicable Compliance Method:**

The hourly OC emission rate may be derived from emission test data as referenced in the permit application at a maximum process weight rate of 0.5 ton/hr resulting in 0.2 lb OC/hr.

The annual OC emission rate may be derived from the maximum hourly emission rate multiplied by 8,760 hours per year and divided by 2,000 lbs/ton, as follows:  
 $0.2 \text{ lb OC/hr} * 8,760 \text{ hrs/yr} * 1 \text{ ton}/2,000 \text{ lbs} = 0.88 \text{ ton OC/yr.}$

c. **Emission Limitation:**

There shall be no visible particulate emissions from the outlet of the exhaust stack.

**Applicable Compliance Method:**

If required, compliance with the visible emission limitation for the operation identified above shall be determined in accordance with Test Method 22 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, 1997.

**F. Miscellaneous Requirements**

None