



State of Ohio Environmental Protection Agency

**RE: FINAL PERMIT TO INSTALL CERTIFIED MAIL  
SHELBY COUNTY**

Street Address:

122 S. Front Street

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

Mailing Address:

Lazarus Gov. Center  
P.O. Box 1049

**Application No: 05-11036**

**DATE: 4/10/2001**

BBi Enterprises Inc  
Derek Langston  
1167 S Fourth Ave  
Sidney, OH 45365-8943

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  
236 East Town Street, Room 300  
Columbus, Ohio 43215

Very truly yours,

Thomas G. Rigo, Manager  
Field Operations and Permit Section  
Division of Air Pollution Control

CC: USEPA

SWDO



**Permit To Install**

STATE OF OHIO ENVIRONMENTAL PROTECTION AGENCY

**FINAL PERMIT TO INSTALL 05-11036**

Application Number: 05-11036  
APS Premise Number: 0575010231  
Permit Fee: **\$1600**  
Name of Facility: BBi Enterprises Inc  
Person to Contact: Derek Langston  
Address: 1167 S Fourth Ave  
Sidney, OH 45365-8943

Location of proposed air contaminant source(s) [emissions unit(s)]:  
**1167 S Fourth Ave**  
**Sidney, Ohio**

Description of proposed emissions unit(s):  
**4 fiberglass compression press lines using heated tools to set a thermoset resin.**

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 Related to Monitoring and Recordkeeping 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 application must be made to the Director for the installation or modification of any other emissions unit(s).

**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 thirty (30) 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>
Particulate emissions	11.94
Volatile organic compounds	9.3

**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>
P001 - Fiberglass Thermoset Compression Molding Press Line 100	OAC rule 3745-31-05(A)(3)	0.67 lb PE/hr, 1.72 TPY PE
		0.52 lb VOC/hr, 1.34 TPY VOC
		Visible emissions of fugitive dust shall not exceed 5 percent opacity as a 3-minute average, except as provided by rule
	OAC rule 3745-17-07(B)(1)	The visible emissions limitation specified by this rule for fugitive dust is less stringent than the emissions limitation established pursuant to OAC rule 3745-31-05(A)(3)
	OAC rule 3745-17-08(B)	See A.2.c
	OAC rule 3745-21-07(G)	Exempt see A.2.d

**2. Additional Terms and Conditions**

- 2.a The emissions limitation of 0.67 pound per hour of particulate emissions is based upon potential-to-emit for this emissions unit. Therefore, it is not necessary to establish record keeping and reporting requirements to ensure compliance with this limitation.
- 2.b The emissions limitation of 0.52 pound per hour of volatile organic chemicals is based upon potential-to-emit for this emissions unit. Therefore, it is not necessary to establish

record keeping and reporting requirements to ensure compliance with this limitation.

- 2.c** This emissions unit shall employ reasonably available control measures to minimize or eliminate visible particulate emissions of fugitive dust.
- 2.d** The organic materials employed by this emissions unit shall not be liquid organic materials as defined in OAC rule 3745-21-01(G)(3).

The use of photochemically reactive materials, as defined in OAC rule 3745-21-01 (C)(5), in this emissions unit is prohibited. Prior to employing any photochemically reactive materials, the permittee shall provide written notification to, and obtain approval from, Ohio EPA, Southwest District Office. Such notification shall include information sufficient to determine that the emissions associated with the proposed change in materials will comply with the emissions limits and/or control requirements as defined in OAC 3745-21-07(G)(2). This notification, at a minimum, shall include the company identification of the new material to be employed, the composition of the material, and the maximum amount to be used, in pounds per hour.

**B. Operational Restrictions**

The maximum annual production rate for this emissions unit shall not exceed 858,000 pounds of fiberglass.

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

The permittee shall maintain monthly records of the fiberglass usage, in pounds, for this emissions unit.

**D. Reporting Requirements**

The permittee shall submit annual reports that identify any exceedances of the annual fiberglass usage limitation, as well as the corrective actions that were taken to achieve compliance. These reports shall be submitted by January 31 of each year. If no exceedances occurred during the year then the permittee is not required to submit a report.

**E. Testing Requirements**

- 1. Emissions Limitation -  
0.67 pound of particulate emissions per hour

Applicable Compliance Method -  
Compliance shall be determined by the following:

$$\text{Emissions} = (\text{EF})(\text{LB})$$

Where:

EF = emissions factor of 0.0040415 lb PE/lb fiberglass

LB = total pounds of fiberglass used per hour

If required, compliance with this mass emissions limitation shall be based upon stack testing in accordance with 40 CFR Part 60, Appendix A.

2. Emissions Limitation -  
1.72 tons per year of particulate emissions

Applicable Compliance Method -

Compliance shall be determined by the following:

$$\text{Emissions} = (\text{EF})(\text{TP})(\text{tn}/2,000 \text{ lbs})$$

Where:

EF = emissions factor of 0.004015 lb PE/lb fiberglass

TP = total pounds of fiberglass used annually

If required, compliance with this mass emissions limitation shall be based upon stack testing in accordance with 40 CFR Part 60, Appendix A.

3. Emissions Limitation -  
0.52 pounds of VOC per hour

Applicable Compliance Method -

Compliance shall be determined by the following:

$$\text{Emissions} = (\text{EF})(\text{LB})$$

Where:

EF = emissions factor of 0.003135 lb VOC/lb fiberglass

LB = total pounds of fiberglass used per hour

4. Emissions Limitation -  
1.34 tons per year of VOC emissions

Applicable Compliance Method -  
 Compliance shall be determined by the following:

$$\text{Emissions} = (\text{EF})(\text{TP})(\text{tn}/2,000 \text{ lbs})$$

Where:

EF = emissions factor of 0.003135 lb VOC/lb fiberglass

TP = total pounds of fiberglass used annually

If required, compliance with this mass emissions limitation shall be based upon stack testing in accordance with 40 CFR Part 60, Appendix A.

**F. Miscellaneous Requirements**

None

**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.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	
P002 - Fiberglass Thermoset Compression Molding Press Line 102	OAC rule 3745-31-05	OAC rule 3745-17-08(B)
		OAC rule 3745-21-07(G)
	OAC rule 3745-17-07(B)(1)	

Applicable Emissions  
Limitations/Control Measures

1.0 lb PE/hr, 3.01 TPY PE

0.78 lb VOC/hr, 2.35 TPY VOC

Visible emissions of fugitive dust shall not exceed 5 percent opacity as a 3-minute average, except as provided by rule

The visible emissions limitation specified by this rule for fugitive dust is less stringent than the emissions limitation established pursuant to OAC rule 3745-31-05(A)(3)

See A.2.c

Exempt see A.2.d

**2. Additional Terms and Conditions**

- 2.a** The emissions limitation of 1.0 pound per hour of particulate emissions is based upon potential-to-emit for this emissions unit. Therefore, it is not necessary to establish record keeping and reporting requirements to ensure compliance with this limitation.
- 2.b** The emissions limitation of 0.78 pound per hour of volatile organic chemicals is based upon potential-to-emit for this emissions unit. Therefore, it is not necessary to establish record keeping and reporting requirements to ensure compliance with this limitation.
- 2.c** This emissions unit shall employ reasonably available control measures to minimize or eliminate visible particulate emissions of fugitive dust.
- 2.d** The organic materials employed by this emissions unit shall not be liquid organic materials as defined in OAC rule 3745-21-01(G)(3).

The use of photochemically reactive materials, as defined in OAC rule 3745-21-01 (C)(5), in this emissions unit is prohibited. Prior to employing any photochemically reactive materials, the permittee shall provide written notification to, and obtain approval from, Ohio EPA, Southwest District Office. Such notification shall include information sufficient to determine that the emissions associated with the proposed change in materials will comply with the emissions limits and/or control requirements as defined in OAC 3745-21-07(G)(2). This notification, at a minimum, shall include the company identification of the new material to be employed, the composition of the material, and the maximum amount to be used, in pounds per hour.

#### **B. Operational Restrictions**

The maximum annual production rate for this emissions unit shall not exceed  $1.5 \times 10^6$  pounds of fiberglass

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

The permittee shall maintain monthly records of the fiberglass usage, in pounds, for this emissions unit.

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

The permittee shall submit annual reports that identify any exceedances of the annual fiberglass usage limitation, as well as the corrective actions that were taken to achieve compliance. These reports shall be submitted by January 31 of each year. If no exceedances occurred during the year then the permittee is not required to submit a report.

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

1. Emissions Limitation -  
1.0 pound of particulate emissions per hour

Applicable Compliance Method -  
Compliance shall be determined by the following:

$$\text{Emissions} = (\text{EF})(\text{LB})$$

Where:

EF = emissions factor of 0.0040415 lb PE/lb fiberglass

LB = total pounds of fiberglass used per hour

If required, compliance with this mass emissions limitation shall be based upon stack testing in accordance with 40 CFR Part 60, Appendix A.

2. Emissions Limitation -  
3.01 tons per year of particulate emissions

Applicable Compliance Method -  
Compliance shall be determined by the following:

$$\text{Emissions} = (\text{EF})(\text{TP})(\text{tn}/2,000 \text{ lbs})$$

Where:

EF = emissions factor of 0.004015 lb PE/lb fiberglass

TP = total pounds of fiberglass used annually

If required, compliance with this mass emissions limitation shall be based upon stack testing in accordance with 40 CFR Part 60, Appendix A.

3. Emissions Limitation -  
0.78 pound of VOC per hour

Applicable Compliance Method -  
Compliance shall be determined by the following:

$$\text{Emissions} = (\text{EF})(\text{LB})$$

Where:

EF = emissions factor of 0.003135 lb VOC/lb fiberglass

LB = total pounds of fiberglass used per hour

4. Emissions Limitation -  
2.35 tons per year of VOC emissions

Applicable Compliance Method -  
Compliance shall be determined by the following:

$$\text{Emissions} = (\text{EF})(\text{TP})(\text{tn}/2,000 \text{ lbs})$$

Where:

EF = emissions factor of 0.003135 lb VOC/lb fiberglass

**BBi E]**

**PTI A**

**Issued: 4/10/2001**

Emissions Unit ID: **P002**

TP = total pounds of fiberglass used annually

If required, compliance with this mass emissions limitation shall be based upon stack testing in accordance with 40 CFR Part 60, Appendix A.

**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>	
P003 - Fiberglass Thermoset Compression Molding Press Line 104	OAC rule 3745-31-05(A)(3)	OAC rule 3745-21-07(G)
	OAC rule 3745-17-07(A)(1)	
	OAC rule 3745-17-07(B)(1)	
	OAC rule 3745-17-08(B)	
	OAC rule 3745-17-11	

**BBi E]****PTI A****Issued: 4/10/2001**Emissions Unit ID: **P003**

Applicable Emissions  
Limitations/Control Measures

1.0 lb PE/hr, 3.01 TPY PE

0.78 lb VOC/hr, 2.35 TPY VOC

Visible emissions from the stack shall not exceed 5 percent opacity as a 6-minute average

Visible emissions of fugitive dust not exceed 5 percent opacity as a 3-minute average

The visible emissions limitation specified by this rule for the stack is less stringent than the emissions limitation established pursuant to OAC rule 3745-31-05(A)(3)

The emissions limitation specified by this rule for fugitive dust is less stringent than the emissions limitation established pursuant to OAC rule 3745-31-05(A)(3)

See A.2.b

The stack emissions limitation specified by this rule is less stringent than the emissions limitation established pursuant to OAC rule 3745-31-05(A)(3)

Exempt see A.2.d

## **2. Additional Terms and Conditions**

- 2.a** The emissions limitation of 1.0 pound per hour of particulate emissions is based upon potential-to-emit for this emissions unit. Therefore, it is not necessary to establish record keeping and reporting requirements to ensure compliance with this limitation.
- 2.b** The emissions limitation of 0.78 pound per hour of volatile organic chemicals is based upon potential-to-emit for this emissions unit. Therefore, it is not necessary to establish record keeping and reporting requirements to ensure compliance with this limitation.
- 2.c** This emissions unit shall employ reasonably available control measures to minimize or eliminate visible particulate emissions of fugitive dust.
- 2.d** The organic materials employed by this emissions unit shall not be liquid organic materials as defined in OAC rule 3745-21-01(G)(3).

The use of photochemically reactive materials, as defined in OAC rule 3745-21-01 (C)(5), in this emissions unit is prohibited. Prior to employing any photochemically reactive materials, the permittee shall provide written notification to, and obtain approval from, Ohio EPA, Southwest District Office. Such notification shall include information sufficient to determine that the emissions associated with the proposed change in materials will comply with the emissions limits and/or control requirements as defined in OAC 3745-21-07(G)(2). This notification, at a minimum, shall include the company identification of the new material to be employed, the composition of the material, and the maximum amount to be used, in pounds per hour.

## **B. Operational Restrictions**

The maximum annual production rate for this emissions unit shall not exceed  $1.5 \times 10^6$  pounds of fiberglass.

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

1. The permittee shall maintain monthly records of the fiberglass usage, in pounds, for this emissions unit.
2. The permittee shall maintain daily records that document any time periods when the particulate control device was not in service when the emissions unit was in operation.

## **D. Reporting Requirements**

Emissions Unit ID: **P003**

1. The permittee shall submit annual reports that identify any exceedances of the annual fiberglass usage limitation, as well as the corrective actions that were taken to achieve compliance. These reports shall be submitted by January 31 of each year. If no exceedances occurred during the year then the permittee is not required to submit a report.
2. The permittee shall submit deviation (excursion) reports that identify all periods of time during which the particulate control device did not operate while this emissions unit was in operation, as well as the corrective actions that were taken to achieve compliance. These reports shall be submitted by January 31 of each year. If no exceedances occurred during the year then the permittee is not required to submit a report.

**E. Testing Requirements**

1. Emissions Limitation -  
1.0 pound of particulate emissions per hour

Applicable Compliance Method -  
Compliance shall be determined by the following:

$$\text{Emissions} = (\text{EF})(\text{LB})$$

Where:

EF = emissions factor of 0.0040415 lb PE/lb fiberglass

LB = total pounds of fiberglass used per hour

If required, compliance with this mass emissions limitation shall be based upon stack testing in accordance with 40 CFR Part 60, Appendix A.

2. Emissions Limitation -  
3.01 ton per year of particulate emissions

Applicable Compliance Method -  
Compliance shall be determined by the following:

$$\text{Emissions} = (\text{EF})(\text{LB}) / (\text{tn}/2,000 \text{ lbs})$$

Where:

EF = emissions factor of 0.0040415 lb PE/lb fiberglass

TP = total pounds of fiberglass used annually

If required, compliance with this mass emissions limitation shall be based upon stack testing in

accordance with 40 CFR Part 60, Appendix A.

3. Emissions Limitation -  
0.78 pound of VOC per hour

Applicable Compliance Method -  
Compliance shall be determined by the following:

$$\text{Emissions} = (\text{EF})(\text{LB})$$

Where:

EF = emissions factor of 0.003135 lb VOC/lb fiberglass

LB = total pounds of fiberglass used per hour

4. Emissions Limitation -  
2.35 tons per year of VOC emissions

Applicable Compliance Method -  
Compliance shall be determined by the following:

$$\text{Emissions} = (\text{EF})(\text{TP})(\text{tn}/2,000 \text{ lbs})$$

Where:

EF = emissions factor of 0.003135 lb VOC/lb fiberglass

TP = total pounds of fiberglass used annually

If required, compliance with this mass emissions limitation shall be based upon stack testing in accordance with 40 CFR Part 60, Appendix A.

#### **F. Miscellaneous Requirements**

The permittee shall develop a written Operation and Maintenance Plan for the particulate emissions control equipment. The plan should include, but not be limited to, a routine maintenance schedule and conditions the operator should check for to determine effective operation.

## 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>
P004 - Fiberglass Thermoset Compression Molding Press Line 107	OAC rule 3745-31-05	1.42 lb PE/hr, 4.20 TPY PE 1.11 lb VOC/hr, 3.26 TPY VOC
	OAC rule 3745-17-07(B)(1)	Visible emissions of fugitive dust from the building shall not exceed 5 percent opacity as a 3-minute average
	OAC rule 3745-17-08(B)(3)(a)	The emissions limitation specified by this rule is less stringent than the emissions limitation established pursuant to OAC rule 3745-31-05(A)(3)
	OAC rule 3745-17-08(B)(3)(a)	See A.2.c
	OAC rule 3745-21-07(G)	Exempt see A.2.d

### 2. Additional Terms and Conditions

- 2.a The emissions limitation of 1.42 pounds per hour of particulate emissions is based upon potential-to-emit for this emissions unit. Therefore, it is not necessary to establish record keeping and reporting requirements to ensure compliance with this limitation.
- 2.b The emissions limitation of 1.11 pounds per hour of volatile organic chemicals is based upon potential-to-emit for this emissions unit. Therefore, it is not necessary to establish record keeping and reporting requirements to ensure compliance with this limitation.

- 2.c** This emissions unit shall employ reasonably available control measures to minimize or eliminate visible particulate emissions of fugitive dust.
- 2.d** The organic materials employed by this emissions unit shall not be liquid organic materials as defined in OAC rule 3745-21-01(G)(3).

The use of photochemically reactive materials, as defined in OAC rule 3745-21-01 (C)(5), in this emissions unit is prohibited. Prior to employing any photochemically reactive materials, the permittee shall provide written notification to, and obtain approval from, Ohio EPA, Southwest District Office. Such notification shall include information sufficient to determine that the emissions associated with the proposed change in materials will comply with the emissions limits and/or control requirements as defined in OAC 3745-21-07(G)(2). This notification, at a minimum, shall include the company identification of the new material to be employed, the composition of the material, and the maximum amount to be used, in pounds per hour.

## **B. Operational Restrictions**

The maximum annual production rate for this emissions unit shall not exceed 2,080,000 pounds of fiberglass.

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

The permittee shall maintain monthly records of the fiberglass usage, in pounds, for this emissions unit.

## **D. Reporting Requirements**

The permittee shall submit annual reports that identify any exceedances of the annual fiberglass usage limitation, as well as the corrective actions that were taken to achieve compliance. These reports shall be submitted by January 31 of each year. If no exceedances occurred during the year then the permittee is not required to submit a report.

## **E. Testing Requirements**

1. Emissions Limitation -  
1.42 pounds of particulate emissions per hour

Applicable Compliance Method -

Compliance shall be determined by the following:

$$\text{Emissions} = (\text{EF})(\text{LB})$$

Where:

EF = emissions factor of 0.0040415 lb PE/lb fiberglass

LB = total pounds of fiberglass used per hour

If required, compliance with this mass emissions limitation shall be based upon stack testing in accordance with 40 CFR Part 60, Appendix A.

2. Emissions Limitation -  
4.20 tons per year of particulate emissions

Applicable Compliance Method -

Compliance shall be determined by the following:

$$\text{Emissions} = (\text{EF})(\text{TP})(\text{tn}/2,000 \text{ lbs})$$

Where:

EF = emissions factor of 0.004015 lb PE/lb fiberglass

TP = total pounds of fiberglass used annually

If required, compliance with this mass emissions limitation shall be based upon stack testing in accordance with 40 CFR Part 60, Appendix A.

3. Emissions Limitation -  
1.11 pounds of VOC per hour

Applicable Compliance Method -

Compliance shall be determined by the following:

$$\text{Emissions} = (\text{EF})(\text{LB})$$

Where:

EF = emissions factor of 0.003135 lb VOC/lb fiberglass

LB = total pounds of fiberglass used per hour

4. Emissions Limitation -  
3.26 tons per year of VOC emissions

**NEW SOURCE REVIEW FORM B**

PTI Number: 05-11036

Facility ID: 0575010231

FACILITY NAME Jet Composites Inc

FACILITY DESCRIPTION 4 fiberglass compression press lines using heated tools to set a thermoset resin. CITY/TWP Sidney

Emissions Unit ID: P004

Applicable Compliance Method -  
Compliance shall be determined by the following:

$$\text{Emissions} = (\text{EF})(\text{TP})(\text{tn}/2,000 \text{ lbs})$$

Where:

EF = emissions factor of 0.003135 lb VOC/lb fiberglass

TP = total pounds of fiberglass used annually

If required, compliance with this mass emissions limitation shall be based upon stack testing in accordance with 40 CFR Part 60, Appendix A.

**F. Miscellaneous Requirements**

None

SIC CODE 3710 SCC CODE Emissions UNIT ID P001

Emissions UNIT DESCRIPTION Fiberglass Thermoset Compression Molding Press Line 100

DATE INSTALLED

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

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter		0.67 lb/hr	1.73	0.67 lb/hr	1.73
PM <sub>10</sub>					
Sulfur Dioxide					
Organic Compounds		0.52 lb/hr	1.34	0.52 lb/hr	1.34
Nitrogen Oxides					
Carbon Monoxide					
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS? NESHAP? PSD? OFFSET POLICY?

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

BAT was based upon material usage limitation.

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)

**NEW SOURCE REVIEW FORM B**

PTI Number: 05-11036

Facility ID: 0575010231

FACILITY NAME Jet Composites Inc

FACILITY DESCRIPTION 4 fiberglass compression press lines using CITY/TWP Sidnev

Emissions Unit ID: **P004**

has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED\*? \_\_\_\_\_

YES

X

NO

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

**NEW SC**

PTI Num

FACILITY

Emissions Unit ID: **P004**

FACILITY DESCRIPTION 4 fiberglass compression press lines using heated tools to set a thermoset resin.

CITY/TWP Sidney

SIC CODE 3710

SCC CODE

Emissions UNIT ID

P002

Emissions UNIT DESCRIPTION Fiberglass Thermoset Compression Molding Press Line 102

DATE INSTALLED

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

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter		1.01 lbs/hr	3.03	1.01 lbs/hr	3.03
PM <sub>10</sub>					
Sulfur Dioxide					
Organic Compounds		0.78 lb/hr	2.35	0.78 lb/hr	2.35
Nitrogen Oxides					
Carbon Monoxide					
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS?

NESHAP?

PSD?

OFFSET POLICY?

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

BAT was based upon material usage limitation.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY?

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:

**NEW SOURCE REVIEW FORM B**

PTI Number: 05-11036

Facility ID: 0575010231

FACILITY NAME Jet Composites Inc

FACILITY DESCRIPTION 4 fiberglass compression press lines using CITY/TWP Sidnev

Emissions Unit ID: **P004**

SIC CODE 3710

SCC CODE

Emissions UNIT ID

P003

Emissions UNIT DESCRIPTION Fiberglass Thermoset Compression Molding Press Line 104

DATE INSTALLED

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

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter		1.0 lb/hr	3.03	1.0 lb/hr	3.03
PM <sub>10</sub>					
Sulfur Dioxide					
Organic Compounds		0.78 lb/hr	2.35	0.78 lb/hr	2.35
Nitrogen Oxides					
Carbon Monoxide					
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS?

NESHAP?

PSD?

OFFSET POLICY?

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

**BAT was based upon material usage limitation.**

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:

**2 NEW SOURCE REVIEW FORM B**

PTI Number: 05-11036

Facility ID: 0575010231

FACILITY NAME Jet Composites Inc

FACILITY DESCRIPTION 4 fiberglass compression press lines using CITY/TWP Sidnev

Emissions Unit ID: **P004**

SIC CODE 3710

SCC CODE

Emissions UNIT ID

P004

Emissions UNIT DESCRIPTION Fiberglass Thermoset Compression Molding Press Line 107

DATE INSTALLED

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

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter		1.43 lbs/hr	4.20	1.43	4.2
PM <sub>10</sub>					
Sulfur Dioxide					
Organic Compounds		1.11 lbs/hr	3.26	1.11 lbs/hr	3.26
Nitrogen Oxides					
Carbon Monoxide					
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS?

NESHAP?

PSD?

OFFSET POLICY?

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

**BAT was based upon material usage limitation.**

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: