



State of Ohio Environmental Protection Agency

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

**CERTIFIED MAIL**

Street Address:

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

Mailing Address:

Lazarus Gov.  
Center

**Application No: 02-13386**

**DATE: 3/15/00**

Picken's Plastics, Inc. - Jefferson Plan  
Casey Webster  
PO Box 127  
Jefferson, OH 44047

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  
Field Operations and Permit Section  
Division of Air Pollution Control

CC: USEPA

NEDO



**Permit To Install**

STATE OF OHIO ENVIRONMENTAL PROTECTION AGENCY

**FINAL PERMIT TO INSTALL 02-13386**

Application Number: 02-13386  
APS Premise Number: 0204000423  
Permit Fee: **\$1400**  
Name of Facility: Picken's Plastics, Inc. - Jefferson Plan  
Person to Contact: Casey Webster  
Address: PO Box 127  
Jefferson, OH 44047

Location of proposed air contaminant source(s) [emissions unit(s)]:  
**149 S. Cucumber St**  
**Jefferson, Ohio**

Description of proposed emissions unit(s):  
**Spray Painting of polyester resin fiberglass reinforced plastic parts.**

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. State and Federally Enforceable Permit To Install General Terms and Conditions****1. Monitoring and Related Recordkeeping and Reporting Requirements**

- a. Except as may otherwise be provided in the terms and conditions for a specific emissions unit, the permittee shall maintain records that include the following, where applicable, for any required monitoring under this permit:
  - i. The date, place (as defined in the permit), and time of sampling or measurements.
  - ii. The date(s) analyses were performed.
  - iii. The company or entity that performed the analyses.
  - iv. The analytical techniques or methods used.
  - v. The results of such analyses.
  - vi. The operating conditions existing at the time of sampling or measurement.
- b. 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.
- c. Except as may otherwise be provided in the terms and conditions for a specific emissions unit, the permittee shall submit required reports in the following manner:
  - i. Reports of any required monitoring and/or recordkeeping of federally enforceable information shall be submitted to the appropriate Ohio EPA District Office or local air agency.
  - ii. Quarterly written reports of (i) any deviations from federally enforceable emission limitations, operational restrictions, and control device operating parameter limitations, excluding deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06, that have been detected by the testing, monitoring and recordkeeping requirements specified in this permit, (ii) the probable cause of such deviations, and (iii) any corrective actions or preventive measures taken, shall be made to the appropriate Ohio EPA District Office or local air agency. The written 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. See B.11 below if no deviations occurred during the quarter.

- iii. Written reports, which identify any deviations from the federally enforceable monitoring, recordkeeping, and reporting requirements contained in this permit shall be submitted to the appropriate Ohio EPA District Office or local air agency every six months, i.e., by January 31 and July 31 of each year for the previous six calendar months. If no deviations occurred during a six-month period, the permittee shall submit a semi-annual report, which states that no deviations occurred during that period.
- iv. Each written report shall be signed by a responsible official certifying that, based on information and belief formed after reasonable inquiry, the statements and information in the report are true, accurate, and complete.

## 2. 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, i.e., upset, 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. (The definition of an upset condition shall be the same as that used in OAC rule 3745-15-06(B)(1) for a malfunction.) The verbal and written reports shall be submitted pursuant to 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 emission unit(s) that is (are) served by such control system(s).

## 3. Risk Management Plans

If the permittee is required to develop and register a risk management plan pursuant to section 112(r) of the Clean Air Act, as amended, 42 U.S.C. 7401 et seq. ("Act"), the permittee shall comply with the requirement to register such a plan.

## 4. Title IV Provisions

If the permittee is subject to the requirements of 40 CFR Part 72 concerning acid rain, the permittee shall ensure that any affected emissions unit complies with those requirements. Emissions exceeding any allowances that are lawfully held under Title IV of the Act, or any regulations adopted thereunder, are prohibited.

## 5. Severability Clause

A determination that any term or condition of this permit is invalid shall not invalidate the force or effect of any other term or condition thereof, except to the extent that any other term or condition depends in whole or in part for its operation or implementation upon the term or condition

declared invalid.

## 6. General Requirements

- a. The permittee must comply with all terms and conditions of this permit. Any noncompliance with the federally enforceable terms and conditions of this permit constitutes a violation of the Act, and is grounds for enforcement action or for permit revocation, revocation and reissuance, or modification, or for denial of a permit renewal application.
- b. It shall not be a defense for the permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the federally enforceable terms and conditions of this permit.
- c. This permit may be modified, reopened, revoked, or revoked and reissued, for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or revocation, or of a notification of planned changes or anticipated noncompliance does not stay any term and condition of this permit.
- d. This permit does not convey any property rights of any sort, or any exclusive privilege.
- e. 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 request, the permittee shall also furnish to the Director or an authorized representative of the Director, copies of records required to be kept by this permit. For information claimed to be confidential in the submittal to the Director, if the Administrator of the U.S. EPA requests such information, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality.

## 7. 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.

## 8. Federal and State Enforceability

Only those terms and conditions designated in this permit as federally enforceable, that are required under the Act, or any of its applicable requirements, including relevant provisions designed to limit the potential to emit of a source, are enforceable by the Administrator of the U.S. EPA, the State, and citizens under the Act. All other terms and conditions of this permit shall not be federally enforceable and shall be enforceable under State law only.

## 9. Compliance Requirements

- a. Any document (including reports) required to be submitted and required by a federally applicable requirement in this permit shall include a certification by a responsible official that, based on information and belief formed after reasonable inquiry, the statements in the document are true, accurate, and complete.
- b. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the Director of the Ohio EPA or an authorized representative of the Director to:
  - i. At reasonable times, enter upon the permittee's premises where a source is located or the emissions-related activity is conducted, or where records must be kept under the conditions of this permit.
  - ii. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit, subject to the protection from disclosure to the public of confidential information consistent with ORC section 3704.08.
  - iii. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit.
  - iv. As authorized by the Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit and applicable requirements.
- c. The permittee shall submit progress reports to the appropriate Ohio EPA District Office or local air agency concerning any schedule of compliance for meeting an applicable requirement. Progress reports shall be submitted semiannually, or more frequently if specified in the applicable requirement or by the Director of the Ohio EPA. Progress reports shall contain the following:
  - i. Dates for achieving the activities, milestones, or compliance required in any schedule of compliance, and dates when such activities, milestones, or compliance were achieved.
  - ii. An explanation of why any dates in any schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.

**10. Permit To Operate Application**

- a. If the permittee is required to apply for a Title V permit pursuant to OAC Chapter 3745-77, the permittee shall submit a complete Title V permit application or a complete Title V permit modification application within twelve (12) months after commencing operation of the emissions units covered by this permit. However, if the proposed new or modified source(s) would be prohibited by the terms and conditions of an existing Title V permit, a Title V permit modification must be obtained before the operation of such new or modified source(s) pursuant to OAC rule 3745-77-04(D) and OAC rule 3745-77-08(C)(3)(d).
- b. If the permittee is required to apply for permit(s) pursuant to OAC Chapter 3745-35, the source(s) identified in this Permit To Install is (are) permitted to operate for a period of up to one year from the date the source(s) commenced operation. 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 source(s) covered by this permit.

## **B. State Only Enforceable 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 of state-only enforceable 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 state-only required 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. 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.

### **4. 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.

## **5. 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.

## **6. 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 are inadequate 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 prove to be inadequate or cannot meet applicable standards.

## **7. 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.

**8. 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).

**9. 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.

**10. 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.

**11. Additional Reporting Requirements When There Are No Deviations of Federally Enforceable Emission Limitations, Operational Restrictions, or Control Device Operating Parameter Limitations (See Section A of This Permit)**

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.

**C. 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> |
|------------------|----------------------|
| PM               | 3.49                 |
| OC               | 26.28                |

**Part II - FACILITY SPECIFIC TERMS AND CONDITIONS**

**A. State and Federally Enforceable Permit To Install Facility Specific Terms and Conditions**

None

**B. State Only Enforceable Permit To Install Facility Specific Terms and Conditions**

None

**Part III - SPECIFIC EMISSIONS UNIT(S)**  
**AL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**

**A. State and Federally Enforceable Section**

**I. 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 - Finishing of Fiberglass Reinforced Plastic (FRP) Parts: Trim Booths #1 - #8 | OAC Rule 3745-17-07 (A)              | The limit based on this applicable rule is less stringent than the limit established pursuant to OAC rule 3745-31-05.  |
|  | OAC Rule 3745-17-11                  | The limit based on this applicable rule is less stringent than the limit established pursuant to OAC rule 3745-31-05.  |
|  | OAC Rule 3745-31-05 (A)(3)           | The particulate emissions generated from this emissions units shall not exceed 0.01 grain per dry standard cubic foot of exhaust gases and 0.36 ton per year.<br><br>The visible particulate emissions from any stack shall not exceed 0% opacity. |

**2. Additional Terms and Conditions**

2.a None

**II. Operational Restrictions**

1. The HEPA cartridge filter system installed on this emissions unit for the control of particulate emissions shall be operated and maintained in accordance with the manufacturer's specifications,

instructions and operating manual(s).

### III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall keep record of annual molded products, in pounds per year.
2. The permittee shall maintain daily records that document any time periods when the HEPA cartridge filter system was not in service when the emissions unit was in operation.

### IV. Reporting Requirements

1. The permittee shall notify the Director (the appropriate District Office or local air agency) in writing of any daily record showing that the HEPA cartridge filter system was not in service when the emissions unit was in operation. The notification shall include a copy of such record and shall be sent to the Director (the appropriate District Office or local air agency) within 30 days after the event occurs.

### V. Testing Requirements

1. Compliance with the emission limitation(s) in Section A.I.1. of these terms and conditions shall be determined in accordance with the following method(s):

- a. Emission Limitation:

0.01 grain of particulate matter per dry  
standard cubic foot of exhaust gases

Applicable Compliance Method:

To determine the actual worst case emission rate for particulate matter in grains per dry standard cubic foot of exhaust gases, the following equation shall be used:

$$E = P \times EF \times (1 - CE) \times 7000 \text{ grains PM/lb PM} \times 1/(\text{MDSCF/min.}) \times \text{hr}/60 \text{ min.}$$

Where:

E = the particulate matter emissions, in grain per dry standard cubic foot of exhaust gases.

P = the maximum production rate, of 500

pounds of molded products trimmed per hour.

EF = emission factor for uncontrolled PM emissions, which is 0.01 pound of uncontrolled PM emissions per pound of product trimmed, as determined by in-house mass balance studies.

CE = efficiency of control equipment, which is 99.9% as stated in the application.

MDSCF/min. = maximum exhaust flow, dry standard cubic foot per minute.  
 $= 1000 \text{ acfm} \times (293^{\circ}\text{K}/302.29^{\circ}\text{K}) = 969.268 \text{ dscfm}$

Where, 1000 acfm = actual exhaust flow, cubic foot per minute.  
 $302.29^{\circ}\text{K} = 85^{\circ}\text{F}$  = actual maximum exhaust temperature

b. Emission Limitation:

0.36 tons of particulate matter emissions per year

Applicable Compliance Method:

To determine the actual worst case emission rate for particulate matter in tons per year, the following equation shall be used:

$$E = P \times EF \times (1 - CE) \times 1 \text{ ton PM}/2000 \text{ lbs PM}$$

Where: E = the annual particulate matter emissions, in tons per year.

P = the total weight of molded products made, in pounds per year.

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EF = emission factor for uncontrolled PM emissions, which is 0.01 pound of uncontrolled PM emissions per pound of product, as determined by in-house mass balance studies.

CE = efficiency of control equipment, which is 99.9% as stated in the application.

c. Emission Limitation-

0% visible emission opacity limit

Applicable Compliance Method-  
Compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(1) using the methods and procedures specified in U. S. EPA Reference Method 9.

**VI. Miscellaneous Requirements**

None

**B. State Only Enforceable Section**

**I. 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 - Finishing of Fiberglass Reinforced Plastic (FRP) Parts: TrimBooths#1 - #8 |                                      |  |

**2. Additional Terms and Conditions**

2.a None

**II. Operational Restrictions**

None

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

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

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Picken

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Emissions Unit ID: P001

None

**Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**

**A. State and Federally Enforceable Section**

**I. 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>   |
|---|--------------------------------------|--|
| P002 - Finishing of Fiberglass Reinforced Plastic (FRP) Parts: TrimBooths#9 - #16 | OAC Rule 3745-17-07 (A)              | The limit based on this applicable rule is less stringent than the limit established pursuant to OAC rule 3745-31-05.  |
|   | OAC Rule 3745-17-11                  | The limit based on this applicable rule is less stringent than the limit established pursuant to OAC rule 3745-31-05.  |
|   | OAC Rule 3745-31-05 (A)(3)           | The particulate emissions generated from this emissions units shall not exceed 0.01 grain per dry standard cubic foot of exhaust gases and 0.36 ton per year.<br><br>The visible particulate emissions from any stack shall not exceed 0% opacity. |

**2. Additional Terms and Conditions**

**2.a** None

**II. Operational Restrictions**

1. The HEPA cartridge filter system installed on this emissions unit for the control of particulate emissions shall be operated and maintained in accordance with the manufacturer's specifications, instructions and operating manual(s).

### III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall keep record of annual molded products, in pounds per year.
2. The permittee shall maintain daily records that document any time periods when the HEPA cartridge filter system was not in service when the emissions unit was in operation.

### IV. Reporting Requirements

1. The permittee shall notify the Director (the appropriate District Office or local air agency) in writing of any daily record showing that the HEPA cartridge filter system was not in service when the emissions unit was in operation. The notification shall include a copy of such record and shall be sent to the Director (the appropriate District Office or local air agency) within 30 days after the event occurs.

### V. Testing Requirements

1. Compliance with the emission limitation(s) in Section A.I.1. of these terms and conditions shall be determined in accordance with the following method(s):

- a. Emission Limitation:

0.01 grain of particulate matter per dry standard cubic foot of exhaust gases

Applicable Compliance Method:

To determine the actual worst case emission rate for particulate matter in grains per dry standard cubic foot of exhaust gases, the following equation shall be used:

$$E = P \times EF \times (1 - CE) \times 7000 \text{ grains PM/lb PM} \times 1/(\text{MDSCF/min.}) \times \text{hr}/60 \text{ min.}$$

Where:

E = the particulate matter emissions, in grain per dry standard cubic foot of exhaust gases.

P = the maximum production rate, of 500 pounds of molded products trimmed per

Emissions Unit ID: P002

hour.

EF = emission factor for uncontrolled PM emissions, which is 0.01 pound of uncontrolled PM emissions per pound of product trimmed, as determined by in-house mass balance studies.

CE = efficiency of control equipment, which is 99.9% as stated in the application.

MDS CF/min. = maximum exhaust flow, dry standard cubic foot per minute.  
 $= 1000 \text{ acfm} \times (293^{\circ}\text{K}/302.29^{\circ}\text{K}) = 969.268 \text{ dscfm}$

Where, 1000 acfm = actual exhaust flow, cubic foot per minute.  
 $302.29^{\circ}\text{K} = 85^{\circ}\text{F}$  = actual maximum exhaust temperature

b. Emission Limitation:

0.36 tons of particulate matter emissions per year

Applicable Compliance Method:

To determine the actual worst case emission rate for particulate matter in tons per year, the following equation shall be used:

$$E = P \times EF \times (1 - CE) \times 1 \text{ ton PM}/2000 \text{ lbs PM}$$

Where: E = the annual particulate matter emissions, in tons per year.

P = the total weight of molded products made, in pounds per year.

EF = emission factor for uncontrolled PM emissions, which is 0.01 pound of uncontrolled PM emissions per pound of product, as determined by in-house mass balance studies.

CE = efficiency of control equipment, which is 99.9% as stated in the application.

c. Emission Limitation-

0% visible emission opacity limit

Applicable Compliance Method-

Compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(1) using the methods and procedures specified in U.S. EPA Reference Method 9.

VI. Miscellaneous Requirements

None

**B. State Only Enforceable Section**

**I. 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> |
|---|--------------------------------------|--|
| P002 - Finishing of Fiberglass Reinforced Plastic (FRP) Parts: TrimBooths#9 - #16 |                                      |  |

**2. Additional Terms and Conditions**

2.a None

**II. Operational Restrictions**

None

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

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

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Picken

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**Issued: 3/15/00**

Emissions Unit ID: P002

None

**Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**

**A. State and Federally Enforceable Section**

**I. 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>   |
|---|--------------------------------------|--|
| P003 - Finishing of Fiberglass Reinforced Plastic (FRP) Parts: Trim Booths: #17 - #24 | OAC Rule 3745-17-07 (A)              | The limit based on this applicable rule is less stringent than the limit established pursuant to OAC rule 3745-31-05.  |
|   | OAC Rule 3745-17-11                  | The limit based on this applicable rule is less stringent than the limit established pursuant to OAC rule 3745-31-05.  |
|   | OAC Rule 3745-31-05 (A)(3)           | The particulate emissions generated from this emissions units shall not exceed 0.01 grain per dry standard cubic foot of exhaust gases and 0.36 ton per year.<br><br>The visible particulate emissions from any stack shall not exceed 0% opacity. |

**2. Additional Terms and Conditions**

**2.a** None

**II. Operational Restrictions**

1. The HEPA cartridge filter system installed on this emissions unit for the control of particulate emissions shall be operated and maintained in accordance with the manufacturer's specifications, instructions and operating manual(s).

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Emissions Unit ID: P003

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

1. The permittee shall keep record of annual molded products, in pounds per year.
2. The permittee shall maintain daily records that document any time periods when the HEPA cartridge filter system was not in service when the emissions unit was in operation.

**IV. Reporting Requirements**

1. The permittee shall notify the Director (the appropriate District Office or local air agency) in writing of any daily record showing that the HEPA cartridge filter system was not in service when the emissions unit was in operation. The notification shall include a copy of such record and shall be sent to the Director (the appropriate District Office or local air agency) within 30 days after the event occurs.

**V. Testing Requirements**

1. Compliance with the emission limitation(s) in Section A.I.1. of these terms and conditions shall be determined in accordance with the following method(s):

- a. Emission Limitation:

0.01 grain of particulate matter per dry standard cubic foot of exhaust gases

Applicable Compliance Method:

To determine the actual worst case emission rate for particulate matter in grains per dry standard cubic foot of exhaust gases, the following equation shall be used:

$$E = P \times EF \times (1 - CE) \times 7000 \text{ grains PM/lb PM} \times 1/(\text{MDSCF/min.}) \times \text{hr}/60 \text{ min.}$$

Where:

E = the particulate matter emissions, in grain per dry standard cubic foot of exhaust gases.

P = the maximum production rate, of 500 pounds of molded products trimmed per hour.

EF = emission factor for uncontrolled PM emissions, which is 0.01 pound of uncontrolled PM emissions per pound of

product trimmed, as determined by in-house mass balance studies.

CE = efficiency of control equipment, which is 99.9% as stated in the application.

MDS CF/min. = maximum exhaust flow, dry standard cubic foot per minute.  
 $= 1000 \text{ acfm} \times (293^{\circ}\text{K}/302.29^{\circ}\text{K}) = 969.268 \text{ dscfm}$

Where, 1000 acfm = actual exhaust flow, cubic foot per minute.  
 $302.29^{\circ}\text{K} = 85^{\circ}\text{F}$  = actual maximum exhaust temperature

b. Emission Limitation:

0.36 tons of particulate matter emissions per year

Applicable Compliance Method:

To determine the actual worst case emission rate for particulate matter in tons per year, the following equation shall be used:

$$E = P \times EF \times (1 - CE) \times 1 \text{ ton PM}/2000 \text{ lbs PM}$$

Where: E = the annual particulate matter emissions, in tons per year.

P = the total weight of molded products made, in pounds per year.

EF = emission factor for uncontrolled PM emissions, which is 0.01 pound of uncontrolled PM emissions per pound of product, as determined by in-house mass balance studies.

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**Issued: 3/15/00**

Emissions Unit ID: P003

CE = efficiency of control equipment, which is 99.9% as stated in the application.

c. Emission Limitation-

0% visible emission opacity limit

Applicable Compliance Method-  
Compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(1) using the methods and procedures specified in U. S. EPA Reference Method 9.

## **VI. Miscellaneous Requirements**

None

Issued

Emissions Unit ID: P003

**B. State Only Enforceable Section**

**I. 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> |
|---|--------------------------------------|--|
| P003 - Finishing of Fiberglass Reinforced Plastic (FRP) Parts: Trim Booths: #17 - #24 |                                      |  |

**2. Additional Terms and Conditions**

2.a None

**II. Operational Restrictions**

None

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

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None

**Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**

**A. State and Federally Enforceable Section**

**I. 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>  |
|---|--------------------------------------|---|
| R010 - Paint Spray Booth #10 with 1.5 mmBtu/hr Gas-Fired Drying Oven for FRP Parts. | OAC Rule 3745-17-07 (A)              | The limit based on this applicable rule is less stringent than the limit established pursuant to OAC rule 3745-31-05.   |
|   | OAC Rule 3745-17-11                  | The particulate emissions from this emissions unit shall not exceed 0.551 pound per hour.   |
|   | OAC Rule 3745-21-07 (G)(2)           | Exempt, see section A.I.2a of these terms and conditions.   |
|   | OAC Rule 3745-31-05 (A)(3)           | The visible particulate emissions from any stack shall not exceed 0% opacity.<br><br>The organic compound (OC) emissions from this emissions unit shall not exceed 6 pounds per hour and 26.28 tons per year, including cleanup material. |

**2. Additional Terms and Conditions**

- 2.a This emissions unit shall not employ organic liquids which are photochemically reactive materials, as defined in OAC rule 3745-21-01 (C)(5).

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Emissions Unit ID: R010

## **II. Operational Restrictions**

1. The permittee shall operate the dry filtration system whenever this emissions unit is in operation.

### III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall collect and record the following information each day for this emissions unit:
  - a. The name and company identification number for each coating and cleanup material.
  - b. The number of gallons of each coating and cleanup material employed.
  - c. The OC content of each coating and cleanup material, in pounds per gallon.
  - d. The total OC emission rate for all coatings and cleanup materials, in pounds per day.
  - e. The total number of hours the emissions unit was in operation.
  - f. The average hourly OC emission rate for all coatings and cleanup materials, i.e., (d)/(e), in pounds per hour.
2. The permittee shall keep the following records on all materials used in this emissions unit:
  - a. The identification of the chemical compound and its physical state.
  - b. For any liquid organic materials, whether or not the material is a photochemically reactive material, as defined in OAC rule 3745-21-01 (C)(5).
3. The permittee shall maintain daily records that document any time periods when the dry filtration system was not in service when the emissions unit was in operation.

### IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which include the following information:
  - a. An identification of each day during which the average hourly OC emissions exceed 6.0 pounds per hour, and the actual average hourly OC emissions for each such day.
  - b. An identification of each day during which the photochemically reactive material(s) was employed, and the actual OC emissions for each such day.

If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter.

**Issued**

Emissions Unit ID: R010

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.

2. The permittee shall notify the Director (the appropriate District Office or local air agency) in writing of any daily record showing that the dry filtration system was not in service when the emissions unit was in operation. The notification shall include a copy of such record and shall be sent to the Director (the appropriate District Office or local air agency) within 30 days after the event occurs.

**V. Testing Requirements**

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

1. Emissions Limitation:

0.551 pound PM per hour.

Applicable Compliance Method:  
Compliance shall be determined in accordance with the test method and procedures in OAC rule 3745-17-03 (B)(10), if required by Ohio EPA.

2. Emissions Limitation:

0% visible emission opacity limit

Applicable Compliance Method-  
Compliance shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(1) using the methods and procedures specified in U. S. EPA Reference Method 9.

3. Emissions Limitation:

6 pounds OC per hour

Applicable Compliance Method:  
Compliance shall be determined in accordance with recordkeeping requirements specified in section A.III.1 of these terms and conditions.

4. Emissions Limitation:

26.28 tons OC per year

Applicable Compliance Method:

The tons per year limitations were developed by multiplying the pounds per hour limitations by the maximum operating schedule of 8760 hours per year, and dividing by 2000 pounds per ton. Therefore, provided compliance is shown with the hourly limitations, compliance will also be shown with the annual limitations.

2. Formulation data or US EPA Method 24 shall be used to determine the OC contents of the coatings and cleanup materials.

#### **VI. Miscellaneous Requirements**

None

**B. State Only Enforceable Section**

**I. 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> |
|---|--------------------------------------|--|
| R010 - Paint Spray Booth #10 with 1.5 mmBtu/hr Gas-Fired Drying Oven for FRP Parts. |                                      |  |

**2. Additional Terms and Conditions**

2.a None

**II. Operational Restrictions**

None

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

1. The permit to install for this emissions unit R010 was evaluated based on the actual materials (typically coatings and cleanup materials) and the design parameters of the emissions unit's exhaust system, as specified by the permittee in the permit to install application. The Ohio EPA's "Review of New Sources of Air Toxic Emissions" policy ("Air Toxic Policy") was applied for each pollutant emitted by this emissions unit using data from the permit to install application and the SCREEN 3.0 model (or other Ohio EPA approved model). The predicted 1-hour maximum ground-level concentration from the use of the SCREEN 3.0 model was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC). The following summarizes the results of the modeling for the "worst case" pollutant(s):

| Pollutant               | Threshold Limit Value ( $\mu\text{g}/\text{m}^3$ ) | Maximum Hourly Emission rate (lbs/hr) | Predicted 1 hour Maximum Ground Level Concentration ( $\mu\text{g}/\text{m}^3$ ) | Maximum Acceptable Ground Level Concentration (MAGLC) ( $\mu\text{g}/\text{m}^3$ ) |
|-------------------------|--|---------------------------------------|--|--|
| Toluene                 | 188,000  | 6.0                                   | 977.5  | 4,476.190  |
| Methyl (N - Amy) Ketone | 233,000  | 6.0                                   | 977.5  | 5,547.619  |
| N-Butyl Acetate         | 713,000  | 6.0                                   | 977.5  | 16,976.190   |
| N-Heptane               | 1,640,000  | 6.0                                   | 977.5  | 39,047.619   |
| Methyl Ethyl Ketone     | 590,000  | 6.0                                   | 977.5  | 14,047.619   |
| Xylene                  | 434,000  | 6.0                                   | 977.5  | 10,333.333   |
| Cyclohexanone           | 100,000  | 6.0                                   | 977.5  | 2,380.952  |
| Isopropyl Acetate       | 1,040,000  | 6.0                                   | 977.5  | 24,761.905   |
| Methyl Isobutyl Ketone  | 205,000  | 6.0                                   | 977.5  | 4,880.952  |
| Ethyl Benzene           | 434,000  | 6.0                                   | 977.5  | 10,333.333   |
| Isopropyl Alcohol       | 983,000  | 6.0                                   | 977.5  | 23,404.762   |
| Ethyl Acetate           | 1,440,000  | 6.0                                   | 977.5  | 34,285.714   |
| Acetone                 | 1,780,000  | 6.0                                   | 977.5  | 178,000.000  |

2. Physical changes to or changes in the method of operation of the emissions unit after its installation or modification could affect the parameters used to determine whether or not the "Air Toxic Policy" is satisfied. Consequently, prior to making a change that could impact such parameters, the permittee shall conduct an evaluation to determine that the "Air Toxic Policy" will still be still satisfied. If, upon evaluation, the permittee determines that the "Air Toxic Policy" will not be satisfied, the permittee will not make the change. Changes that can affect the parameters used in applying the "Air Toxic Policy" include the following:
  - a. changes in the composition of the materials used (typically for coatings or cleanup materials), or the use of new materials, that would result in the emission of a compound with a lower Threshold Limit Value (TLV), as indicated in the most recent version of the handbook entitled "American Conference of Governmental Industrial Hygienists (ACGIH)," than the lowest TLV value previously modeled;
  - b. changes in the composition of the materials, or use of new materials, that would result in

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Emissions Unit ID: R010

an increase in emissions of any pollutant with a listed TLV that was proposed in the application and modeled; and

- c. physical changes to the emissions unit or its exhaust parameters (e.g., increased/ decreased exhaust flow, changes in stack height, changes in stack diameter, etc.).
3. If the permittee determines that the "Air Toxic Policy" will be satisfied for the above changes, the Ohio EPA will not consider the change(s) to be a "modification" under OAC rule 3745-31-01(VV)(1)(a)(ii), and a modification of the existing permit to install will not be required. If the change(s) is (are) defined as a modification under other provisions of the modification definition (other than (VV)(1)(a)(ii)), then the permittee shall obtain a final permit to install prior to the change.
  4. The permittee shall collect, record, and retain the following information when it conducts evaluations to determine that the changed emissions unit will still satisfy the "Air Toxic Policy":
    - a. a description of the parameters changed (composition of materials, new pollutants emitted, change in stack/exhaust parameters, etc.);
    - b. documentation of its evaluation and determination that the changed emissions unit still satisfies the "Air Toxic Policy"; and
    - c. where computer modeling is performed, a copy of the resulting computer model runs that show the results of the application of the "Air Toxic Policy" for the change.

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None

**NEW SOURCE REVIEW FORM B**

PTI Number: 02-13386

Facility ID: 0204000423

FACILITY NAME Picken's Plastics, Inc. - Jefferson Plan

FACILITY DESCRIPTION Spray Painting of polyester resin fiberglass reinforced plastic parts. CITY/TWP Jefferson

Emissions Unit ID: R010

SIC CODE 3089 SCC CODE 3-08-007-99 EMISSIONS UNIT ID P001

EMISSIONS UNIT DESCRIPTION Finishing of Fiberglass Reinforced Plastic (FRP) Parts: Trim Booths #1 - #8

DATE INSTALLED 08/97

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 | Attainment              | 0.00275 lb/hr         | 0.0029        | 0.01 gr/dscf    | 0.36          |
| PM <sub>10</sub>   |                         |                       |               |                 |               |
| Sulfur Dioxide     |                         |                       |               |                 |               |
| Organic Compounds  |                         |                       |               |                 |               |
| 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?

Enter Determination (1) 0.01 grain particulate per dry standard cubic foot of exhaust gases; (2) 0.36 ton particulate per year; and (3) visible particulate emissions shall not exceed 0% opacity, as six-minute average. The basis for the determination is knowledge of process, engineering analysis, and regulation governing this emissions unit.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? No

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? \$48,000

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

**NEW SOURCE REVIEW FORM B**

PTI Number: 02-13386 Facility ID: 0204000423

FACILITY NAME Picken's Plastics, Inc. - Jefferson Plan

FACILITY DESCRIPTION Spray Painting of polyester resin fiberglass CITY/TWP Jefferson  
reinforced plastic parts.

IDENTIFY THE AIR CONTAMINANTS:

**NEW SC**

PTI Num

FACILITY

Emissions Unit ID: R010

FACILITY DESCRIPTION Spray Painting of polyester resin fiberglass reinforced plastic parts. CITY/TWP Jefferson

SIC CODE 3089 SCC CODE 3-08-007-99 EMISSIONS UNIT ID P002

EMISSIONS UNIT DESCRIPTION Finishing of Fiberglass Reinforced Plastic (FRP) Parts: Trim Booths #9 - #16

DATE INSTALLED 08/97

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 | Attainment              | 0.0027 lb/hr          | 0.0029        | 0.01 gr/dscf    | 0.36          |
| PM <sub>10</sub>   |                         |                       |               |                 |               |
| Sulfur Dioxide     |                         |                       |               |                 |               |
| Organic Compounds  |                         |                       |               |                 |               |
| 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?

Enter Determination (1) 0.01 grain particulate per dry standard cubic foot of exhaust gases; (2) 0.36 ton particulate per year; and (3) visible particulate emissions shall not exceed 0% opacity, as six-minute average. The basis for the determination is knowledge of process, engineering analysis, and regulation governing this emissions unit.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? No
OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? \$48,000

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: 02-13386

Facility ID: 0204000423

FACILITY NAME Picken's Plastics, Inc. - Jefferson Plan

FACILITY DESCRIPTION Sprav Painting of polvester resin fiberglass CITY/TWP Jefferson

Emissions Unit ID: R010

**Please describe any hard copy information is being submitted with this recommendation (Please send hard copy information to Pam McGraner, DAPC Central Office - Air Quality Modeling and Planning):**

- 2. **Calculations**
- 3. **Air Toxic Modeling**

**Please provide any additional permit specific notes as you deem necessary:**

**This PTI is not subject to 112(g). The maximum PTE of single HAP is less than 10 tons per year.**

**Permit To Install Synthetic Minor Write-Up**

**NONE**

**Please fill in the following for this permit:**

**TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS**

| <u>Pollutant</u> | <u>Tons Per Year</u> |
|------------------|----------------------|
| PM               | 3.49                 |
| OC               | 26.28                |