



State of Ohio Environmental Protection Agency

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

CERTIFIED MAIL

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: 03-13518

DATE: 7/24/2001

M-TEK, Inc.
Dan McDonald
1020 Volunteer Parkway
Manchester, TN 373556461

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

NWDO



**Permit To Install
Terms and Conditions**

**Issue Date: 7/24/2001
Effective Date: 7/24/2001**

FINAL PERMIT TO INSTALL 03-13518

Application Number: 03-13518
APS Premise Number: 0388010052
Permit Fee: **\$2800**
Name of Facility: M-TEK, Inc.
Person to Contact: Dan McDonald
Address: 1020 Volunteer Parkway
Manchester, TN 373556461

Location of proposed air contaminant source(s) [emissions unit(s)]:
**1111 Warpole Street
Upper Sandusky, Ohio**

Description of proposed emissions unit(s):
Modification to MD product line adhesive spray booths to allow for the application of a flaw repair coating (emissions units R001-R007).

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

M-TEK, Inc.

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Facility ID: 0388010052

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

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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

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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.

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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**

Pollutant
OC

Tons Per Year
32.84

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>
Adhesive spray booth with dry filtration, MDSBO1 (modification to PTI #03-13250, originally issued on September 22, 1999 to allow for increase in allowable organic compound emissions)	OAC rule 3745-31-05(A)(3)	Emissions of organic compounds shall not exceed 0.61 pound per hour, 14.64 pounds per day and 2.67 tons per year (includes cleanup material)
	OAC rule 3745-21-07 (G) (2)	See A.2.a.

2. Additional Terms and Conditions

- 2.a The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05 (A) (3).

B. Operational Restrictions

- 1. None.

C. Monitoring and/or Recordkeeping Requirements

- 1. The permittee shall collect and record the following information for each day for the coating operation:
 - a. The company identification for each coating and cleanup material employed.
 - b. The number of gallons of each coating and cleanup material employed.
 - c. The organic compound content of each coating and cleanup material, in pounds per gallon.

- d. The total organic compound 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 organic compound emission rate for all coatings and cleanup materials, d/e, in pounds per hour (average).
- g. The annual, year-to-date, OC emissions, in tons, from all coatings and cleanup materials (sum of d for each day to date from January to December).

D. Reporting Requirements

1. In accordance with the general terms and conditions of this permit, the permittee shall submit deviation (excursion) reports which include the following information:
 - a. An identification of each day during which the average hourly organic compound emissions from the coatings and cleanup materials exceeded 0.61 pounds per hour, and the actual average hourly organic compound emissions for each such day.
 - b. An identification of each day during which the organic compound emissions and photochemically reactive cleanup materials exceeded 14.64 pounds per day, and the actual organic compound emissions for each such day.
2. The permittee shall submit annual written reports of any deviations (excursions) from the annual organic compound emission limitation in section A.1. If no deviations occurred during a calendar year, the permittee shall submit an annual report, which states that no deviations occurred during that year. The reports shall be submitted annually, by January 31 of each year and shall cover the previous calendar year.

E. Testing Requirements

1. Compliance with the emission limitations in this permit to install shall be determined in accordance with the following methods:
 - a. Emission Limitation: 0.61 lb OC/hr & 14.64 lbs OC/day including cleanup material

Applicable Compliance Method: Compliance shall be based upon the recordkeeping requirements contained in section C.1. of this permit.

- b. Emission Limitation: 2.67 tons OC/yr including cleanup material

Applicable Compliance Method: Compliance shall be based upon the recordkeeping requirements contained in section C.1. of this permit.

F. Miscellaneous Requirements

1. Modeling to demonstrate compliance with the Ohio EPA's "Air Toxics Policy" was not necessary for emission units R001-R007 because maximum annual emissions for each air toxic compound associated with the modification of the emissions units will be less than 1.0 ton. OAC Chapter 3745-31 requires permittees to apply for and obtain a new or modified permit to install prior to making a "modification" as defined by OAC rule 3745-31-01. The permittee is hereby advised that changes in the composition of the materials, or use of new materials, that would cause the emissions of any pollutant that has a listed TLV to increase to above 1.0 ton per year may require the permittee to apply for and obtain a new permit to install.

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>
Adhesive spray booth with dry filtration, MDSBO2 (modification to PTI #03-13250, originally issued on September 22, 1999 to allow for increase in allowable organic compound emissions)	OAC rule 3745-31-05 (A) (3)	Emissions of organic compounds shall not exceed 0.61 pound per hour, 14.64 pounds per day, and 2.67 tons per year (includes cleanup material)
	OAC rule 3745-21-07 (G) (2)	See A.2.a.

2. Additional Terms and Conditions

- 2.a The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05 (A) (3).

B. Operational Restrictions

1. None.

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall collect and record the following information for each day for the coating operation:
 - a. The company identification for each coating and cleanup material employed.
 - b. The number of gallons of each coating and cleanup material employed.
 - c. The organic compound content of each coating and cleanup material, in pounds per

gallon.

- d. The total organic compound 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 organic compound emission rate for all coatings and cleanup materials, d/e, in pounds per hour (average).
- g. The annual, year-to-date, OC emissions, in tons, from all coatings and photochemically reactive cleanup materials (sum of d for each day to date from January to December).

D. Reporting Requirements

1. In accordance with the general terms and conditions of this permit, the permittee shall submit deviation (excursion) reports which include the following information:
 - a. An identification of each day during which the average hourly organic compound emissions from the coatings and photochemically reactive cleanup materials exceeded 0.61 pound per hour, and the actual average hourly organic compound emissions for each such day.
 - b. An identification of each day during which the organic compound emissions and photochemically reactive cleanup materials exceeded 14.64 pounds per day, and the actual organic compound emissions for each such day.
2. The permittee shall submit annual written reports of any deviations (excursions) from the annual organic compound emission limitation in section A.1. If no deviations occurred during a calendar year, the permittee shall submit an annual report, which states that no deviations occurred during that year. The reports shall be submitted annually, by January 31 of each year and shall cover the previous calendar year.

E. Testing Requirements

1. Compliance with the emission limitations in this permit to install shall be determined in accordance with the following methods:
 - a. Emission Limitation: 0.61 lb OC/hr & 14.64 lbs OC/day including cleanup material

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Issued

Facility ID: 0388010052

Emissions Unit ID: **R002**

Applicable Compliance Method: Compliance shall be based upon the recordkeeping requirements contained in section C.1. of this permit.

- b. Emission Limitation: 2.67 tons OC/year including cleanup material

Applicable Compliance Method: Compliance shall be based upon the recordkeeping requirements contained in section C.1. of this permit.

F. Miscellaneous Requirements

1. Modeling to demonstrate compliance with the Ohio EPA's "Air Toxics Policy" was not necessary for emission units R001-R007 because maximum annual emissions for each air toxic compound associated with the modification of the emission units will be less than 1.0 ton. OAC Chapter 3745-31 requires permittees to apply for and obtain a new or modified permit to install prior to making a "modification" as defined by OAC rule 3745-31-01. The permittee is hereby advised that changes in the composition of the materials, or use of new materials, that would cause the emissions of any pollutant that has a listed TLV to increase to above 1.0 ton per year may require the permittee to apply for and obtain a new permit to install.

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>
Adhesive spray booth with dry filtration, MDSBO3 (modification to PTI #03-13250, originally issued on September 22, 1999 to allow for increase in allowable organic compound emissions)	OAC rule 3745-31-05 (A) (3)	Emissions of organic compounds shall not exceed 1.88 lbs/hr and 8.23 tons/yr (includes cleanup material)
		Emissions of organic compounds shall be reduced by at least 85.5 percent, by weight, as an overall control efficiency
		See A.2.c. Control requirements See A.2.a.
	OAC rule 3745-21-07 (G) (2)	See A.2.b.
	OAC rule 3745-21-07 (G) (6)	Ninety percent or more of the carbon in the organic material being incinerated shall be oxidized to carbon dioxide.

2. Additional Terms and Conditions

- 2.a "Best Available Technology" (BAT) for this emissions unit has been determined to be the use of a carbon bed concentrator in conjunction with a thermal oxidizer to reduce organic compound emissions by at least 85.5 percent by weight, as an overall control efficiency.

- 2.b** OAC rule 3745-21-07 (G) (2) limits organic compound (OC) emissions to 8 pounds per hour and 40 pounds per day or requires an 85% reduction in OC emissions. The carbon bed concentrator in conjunction with the thermal oxidizer is employed to comply with the requirements to achieve an 85% reduction in OC emissions instead of complying with the OC emission limits of 8 pounds per hour and 40 pounds per day. However, reduction of OC emissions through the use of add-on controls established by this rule is less stringent than the reduction of OC emissions through the use of add-on controls established pursuant to OAC rule 3745-31-05 (A) (3).
- 2.c** The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-07 (G) (6).

B. Operational Restrictions

1. The permittee shall operate the carbon bed concentrator and thermal oxidizer at all times when the emissions unit is in operation.
2. The average combustion temperature within the thermal incinerator, for any 3-hour block of time when the emissions unit is in operation, shall not be more than 50 degrees Fahrenheit below the average temperature during the most recent emissions test that demonstrated the emissions unit was in compliance.

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall operate and maintain a continuous temperature monitor and recorder which measures and records the combustion temperature within the thermal incinerator when the emissions unit is in operation. Units shall be in degrees Fahrenheit. The monitoring and recording devices shall be capable of accurately measuring the combustion temperature. The temperature monitor and recorder shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, with any modifications deemed necessary by the permittee.
2. The permittee shall collect and record the following information for each day for the control equipment:
 - a. A log of the downtime for the capture (collection) system, control device, and monitoring equipment, when the associated emissions unit was in operation.
 - b. All 3-hour blocks of time during which the average combustion temperature within the thermal incinerator, when the emission unit was in operation, was more than 50 degrees Fahrenheit below the average temperature during the most recent emissions test that

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Facility ID: 0388010052

Emissions Unit ID: R003

demonstrated the emissions unit was in compliance.

3. The permittee shall collect and record the following information for each day for the coating operation:
 - a. The company identification for each coating and cleanup material employed.
 - b. The number of gallons of each coating and cleanup material employed.

- c. The organic compound content of each coating and cleanup material, in pounds per gallon.
- d. The total controlled organic compound emission rate for all coatings and cleanup materials, in pounds per day (i.e., calculated using the overall control efficiency from the most recent performance test that demonstrated that the emissions unit was in compliance).
- e. The total number of hours the emissions unit was in operation.
- f. The average hourly controlled organic compound emission rate for all coatings and cleanup materials, d/e, in pounds per hour (average).
- g. The annual, year-to-date, controlled OC emissions, in tons, from all coatings and cleanup materials, (sum of d for each day to date from January to December).

D. Reporting Requirements

1. In accordance with the general terms and conditions of this permit, the permittee shall submit deviation (excursion) reports which include the following:
 - a. An identification of each day during which the average hourly controlled organic compound emissions from the coatings and cleanup materials exceed 1.88 lbs per hour, and the actual average hourly controlled organic compound emissions for each such day.
2. In accordance with the general terms and conditions of this permit, the permittee shall submit deviation (excursion) reports which identify all 3-hour blocks of time during which the average combustion temperature within the thermal oxidizer, when the emissions unit was in operation, was more than 50 degrees Fahrenheit below the average temperature during the most recent emissions test that demonstrated the emissions unit was in compliance.
3. In accordance with the general terms and conditions of this permit, the permittee shall submit quarterly summaries which include a log of the downtime for the capture (collection) system, control device, and monitoring equipment, when the associated emissions unit was in operation.
4. The permittee shall submit annual written reports of any deviations (excursions) from the annual organic compound emission limitation in section A.1. If no deviations occurred during a calendar year, the permittee shall submit an annual report, which states that no deviations occurred during that year. The reports shall be submitted annually, by January 31 of each year and shall cover the

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PTI A

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Emissions Unit ID: **R003**

previous calendar year.

E. Testing Requirements

1. Testing Requirements

- a. Emissions testing shall be conducted within 3 months after operation under the provisions of this permit unless otherwise approved by Ohio EPA.
- b. The emission testing shall be conducted to demonstrate compliance with the overall control efficiency limitation for organic compounds and the ninety percent destruction efficiency requirement for the thermal incinerator.
- c. The following test method(s) shall be employed to demonstrate compliance with the destruction efficiency requirement for the thermal oxidizer: Method 25 or 25A of 40 CFR Part 60, Appendix A. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA. The test method and procedures selected shall be based on a consideration of the diversity of the organic species present and their total concentration, and on a consideration of the potential presence of interfering gases.
- d. The capture efficiency shall be determined using Methods 204 through 204F, as specified in 40 CFR Part 51, Appendix M, or the permittee may request to use an alternative method or procedure for the determination of capture efficiency in accordance with the USEPA's "Guidelines for Determining Capture Efficiency," dated January 9, 1995. (The Ohio EPA will consider the request, including an evaluation of the applicability, necessity, and validity of the alternative, and may approve the use of the alternative if such approval does not contravene any other applicable requirement.) The control efficiency (i.e., the percent reduction in mass emissions between the inlet and outlet of the control system) shall be determined in accordance with the test methods and procedures specified in OAC rule 3745-21-10. The test methods and procedures selected shall be based on a consideration of the diversity of the organic species present and their total concentration, and on a consideration of the potential presence of interfering gases."
- e. The test shall be conducted while the emissions unit is operating at its maximum capacity, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency.

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s)

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of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test(s).

Personnel from the appropriate Ohio EPA District Office or local air agency shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the appropriate Ohio EPA District Office or local air agency.

2. Compliance Method Requirements

- a. Emission Limitation: Use of control system with 85.5% overall efficiency rate for organic compounds and ninety percent or more of the carbon in the organic material being incinerated shall be oxidized to carbon dioxide.

Applicable Compliance Method: Compliance with this limitation will be based on the required testing in section A.V.1.

- b. Emission Limitation: 1.88 lbs OC/hr & 8.23 tons OC/yr including cleanup material

Applicable Compliance Method: Compliance shall be based on the recordkeeping requirements contained in section C.3. of this permit.

F. **Miscellaneous Requirements**

1. Modeling to demonstrate compliance with the Ohio EPA's "Air Toxics Policy" was not necessary for emission units R001-R007 because maximum annual emissions for each air toxic compound associated with the modification of the emission units will be less than 1.0 ton. OAC Chapter 3745-31 requires permittees to apply for and obtain a new or modified permit to install prior to making a "modification" as defined by OAC rule 3745-31-01. The permittee is hereby advised that changes in the composition of the materials, or use of new materials, that would cause the emissions of any pollutant that has a listed TLV to increase to above 1.0 ton per year may require the permittee to apply for and obtain a new permit to install.

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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>
Adhesive spray booth with dry filtration, MDSBO4 (modification to PTI #03-13250, originally issued on September 22, 1999 to allow for increase in allowable organic compound emissions)	OAC rule 3745-31-05 (A) (3)	Emissions of organic compounds shall not exceed 1.88 lbs/hr and 8.23 tons/yr (includes cleanup material)
		Emissions of organic compounds shall be reduced by at least 85.5 percent, by weight, as an overall control efficiency
		See A.2.c.
	OAC rule 3745-21-07 (G) (2)	Control requirements See A.2.a.
	OAC rule 3745-21-07 (G) (6)	See A.2.b.
		Ninety percent or more of the carbon in the organic material being incinerated shall be oxidized to carbon dioxide.

2. Additional Terms and Conditions

- 2.a "Best Available Technology" (BAT) for this emissions unit has been determined to be the use of a carbon bed concentrator in conjunction with a thermal oxidizer to reduce organic compound emissions by at least 85.5 percent by weight, as an overall control efficiency.
- 2.b OAC rule 3745-21-07 (G) (2) limits organic compound (OC) emissions to 8 pounds per

hour and 40 pounds per day or requires an 85% reduction in OC emissions. The carbon bed concentrator in conjunction with the thermal oxidizer is employed to comply with the requirements to achieve an 85% reduction in OC emissions instead of complying with the OC emission limits of 8 pounds per hour and 40 pounds per day. However, reduction of OC emissions through the use of add-on controls established by this rule is less stringent than the reduction of OC emissions through the use of add-on controls established pursuant to OAC rule 3745-31-05 (A) (3).

- 2.c** The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-07 (G) (6).

B. Operational Restrictions

1. The permittee shall operate the carbon bed concentrator and thermal oxidizer at all times when the emissions unit is in operation.
2. The average combustion temperature within the thermal incinerator, for any 3-hour block of time when the emissions unit is in operation, shall not be more than 50 degrees Fahrenheit below the average temperature during the most recent emissions test that demonstrated the emissions unit was in compliance.

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall operate and maintain a continuous temperature monitor and recorder which measures and records the combustion temperature within the thermal incinerator when the emissions unit is in operation. Units shall be in degrees Fahrenheit. The monitoring and recording devices shall be capable of accurately measuring the combustion temperature. The temperature monitor and recorder shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, with any modifications deemed necessary by the permittee.
2. The permittee shall collect and record the following information for each day for the control equipment:
 - a. A log of the downtime for the capture (collection) system, control device, and monitoring equipment, when the associated emissions unit was in operation.
 - b. All 3-hour blocks of time during which the average combustion temperature within the thermal incinerator, when the emission unit was in operation, was more than 50 degrees Fahrenheit below the average temperature during the most recent emissions test that demonstrated the emissions unit was in compliance.

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3. The permittee shall collect and record the following information for each day for the coating operation:
 - a. The company identification for each coating and cleanup material employed.
 - b. The number of gallons of each coating and cleanup material employed.
 - c. The organic compound content of each coating and cleanup material, in pounds per gallon.
 - d. The total controlled organic compound emission rate for all coatings and cleanup materials, in pounds per day (i.e., calculated using the overall control efficiency from the most recent performance test that demonstrated that the emissions unit was in compliance).
 - e. The total number of hours the emissions unit was in operation.
 - f. The average hourly controlled organic compound emission rate for all coatings and cleanup materials, d/e, in pounds per hour (average).
 - g. The annual, year-to-date, controlled OC emissions, in tons, from all coatings and cleanup materials, (sum of d for each day to date from January to December).

D. Reporting Requirements

1. In accordance with the general terms and conditions of this permit, the permittee shall submit deviation (excursion) reports which include the following:
 - a. An identification of each day during which the average hourly controlled organic compound emissions from the coatings and cleanup materials exceed 1.88 lbs per hour, and the actual average hourly controlled organic compound emissions for each such day.
2. In accordance with the general terms and conditions of this permit, the permittee shall submit deviation (excursion) reports which identify all 3-hour blocks of time during which the average combustion temperature within the thermal oxidizer, when the emissions unit was in operation, was more than 50 degrees Fahrenheit below the average temperature during the most recent emissions test that demonstrated the emissions unit was in compliance.
3. In accordance with the general terms and conditions of this permit, the permittee shall submit quarterly summaries which include a log of the downtime for the capture (collection) system,

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Facility ID: 0388010052

Emissions Unit ID: R004

control device, and monitoring equipment, when the associated emissions unit was in operation.

4. The permittee shall submit annual written reports of any deviations (excursions) from the annual organic compound emission limitation in section A.1. If no deviations occurred during a calendar year, the permittee shall submit an annual report, which states that no deviations occurred during that year. The reports shall be submitted annually, by January 31 of each year and shall cover the previous calendar year.

E. Testing Requirements

1. Testing Requirements

- a. Emissions testing shall be conducted within 3 months after operation under the provisions of this permit unless otherwise approved by Ohio EPA.
- b. The emission testing shall be conducted to demonstrate compliance with the overall control efficiency limitation for organic compounds and the ninety percent destruction efficiency requirement for the thermal incinerator.
- c. The following test method(s) shall be employed to demonstrate compliance with the destruction efficiency requirement for the thermal oxidizer: Method 25 or 25A of 40 CFR Part 60, Appendix A. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA. The test method and procedures selected shall be based on a consideration of the diversity of the organic species present and their total concentration, and on a consideration of the potential presence of interfering gases.
- d. The capture efficiency shall be determined using Methods 204 through 204F, as specified in 40 CFR Part 51, Appendix M, or the permittee may request to use an alternative method or procedure for the determination of capture efficiency in accordance with the USEPA's "Guidelines for Determining Capture Efficiency," dated January 9, 1995. (The Ohio EPA will consider the request, including an evaluation of the applicability, necessity, and validity of the alternative, and may approve the use of the alternative if such approval does not contravene any other applicable requirement.) The control efficiency (i.e., the percent reduction in mass emissions between the inlet and outlet of the control system) shall be determined in accordance with the test methods and procedures specified in OAC rule 3745-21-10. The test methods and procedures selected shall be based on a consideration of the diversity of the organic species present and their total concentration, and on a consideration of the potential presence of interfering gases."
- e. The test shall be conducted while the emissions unit is operating at its maximum capacity, unless otherwise specified or approved by the appropriate Ohio EPA District Office or

M-TEK, Inc.**PTI Application: 02 12510****Issued****Facility ID: 0388010052****Emissions Unit ID: R004**

local air agency.

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test(s).

Personnel from the appropriate Ohio EPA District Office or local air agency shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the appropriate Ohio EPA District Office or local air agency.

2. Compliance Method Requirements

- a. Emission Limitation: Use of control system with 85.5% overall efficiency rate for organic compounds and ninety percent or more of the carbon in the organic material being incinerated shall be oxidized to carbon dioxide.

Applicable Compliance Method: Compliance with this limitation will be based on the required testing in section A.V.1.

- b. Emission Limitation: 1.88 lbs OC/hr & 8.23 tons OC/yr including cleanup material

Applicable Compliance Method: Compliance shall be based on the recordkeeping requirements contained in section C.3. of this permit.

F. Miscellaneous Requirements

1. Modeling to demonstrate compliance with the Ohio EPA's "Air Toxics Policy" was not necessary for emission units R001-R007 because maximum annual emissions for each air toxic compound

associated with the modification of the emission units will be less than 1.0 ton. OAC Chapter 3745-31 requires permittees to apply for and obtain a new or modified permit to install prior to making a "modification" as defined by OAC rule 3745-31-01. The permittee is hereby advised that changes in the composition of the materials, or use of new materials, that would cause the emissions of any pollutant that has a listed TLV to increase to above 1.0 ton per year may require the permittee to apply for and obtain a new permit to install.

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>
Adhesive spray booth with dry filtration, MDSBO5 (modification to PTI #03-13250, originally issued on September 22, 1999 to allow for increase in allowable organic compound emissions)	OAC rule 3745-31-05 (A) (3)	Emissions of organic compounds shall not exceed 0.84 pound per hour, 20.16 pounds per day and 3.68 tons per year (includes cleanup material)
	OAC rule 3745-21-07 (G) (2)	See A.2.a.

2. Additional Terms and Conditions

- 2.a The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05 (A) (3).

B. Operational Restrictions

1. None.

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall collect and record the following information for each day for the coating operation:
 - a. The company identification for each coating and cleanup material employed.
 - b. The number of gallons of each coating and cleanup material employed.

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- c. The organic compound content of each coating and cleanup material, in pounds per gallon.
- d. The total organic compound 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 organic compound emission rate for all coatings and cleanup materials, d/e in pounds per hour (average).
- g. The annual, year-to-date, OC emissions, in tons, from all coatings and cleanup materials (sum of d for each day to date from January to December).

D. Reporting Requirements

1. In accordance with the general terms and conditions of this permit, the permittee shall submit deviation (excursion) reports which include the following information:
 - a. An identification of each day during which the average hourly organic compound emissions from the coatings and photochemically reactive cleanup materials exceeded 0.84 pound per hour, and the actual average hourly organic compound emissions for each such day.
 - b. An identification of each day during which the organic compound emissions and photochemically reactive cleanup materials exceeded 20.16 pounds per day, and the actual organic compound emissions for each such day.
2. The permittee shall submit annual written reports of any deviations (excursions) from the annual organic compound emission limitation in section A.1. If no deviations occurred during a calendar year, the permittee shall submit an annual report, which states that no deviations occurred during that year. The reports shall be submitted annually, by January 31 of each year and shall cover the previous calendar year.

E. Testing Requirements

1. Compliance with the emission limitations in this permit to install shall be determined in accordance with the following methods:
 - a. Emission Limitation: 0.84 lb OC/hr & 20.16 lbs OC/day including cleanup material

Applicable Compliance Method: Compliance shall be based upon the recordkeeping requirements contained in section C.1. of this permit.

- b. Emission Limitation: 3.68 tons OC/year including cleanup material

Applicable Compliance Method: Compliance shall be based upon the recordkeeping requirements contained in section C.1. of this permit.

F. Miscellaneous Requirements

1. Modeling to demonstrate compliance with the Ohio EPA's "Air Toxics Policy" was not necessary for emission units R001-R007 because maximum annual emissions for each air toxic compound associated with the modification of the emission units will be less than 1.0 ton. OAC Chapter 3745-31 requires permittees to apply for and obtain a new or modified permit to install prior to making a "modification" as defined by OAC rule 3745-31-01. The permittee is hereby advised that changes in the composition of the materials, or use of new materials, that would cause the emissions of any pollutant that has a listed TLV to increase to above 1.0 ton per year may require the permittee to apply for and obtain a new permit to install.

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>
Adhesive spray booth with dry filtration, MDSBO6 (modification to PTI #03-13250, originally issued on September 22, 1999 to allow for increase in allowable organic compound emissions)	OAC rule 3745-31-05	Emissions of organic compounds shall not exceed 0.84 pound per hour, 20.16 pounds per day and 3.68 tons per year (includes cleanup material)
	OAC rule 3745-21-07 (G) (2)	See A.2.a.

2. Additional Terms and Conditions

- 2.a The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05 (A) (3).

B. Operational Restrictions

1. None.

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall collect and record the following information for each day for the coating operation:
 - a. The company identification for each coating and cleanup material.
 - b. The number of gallons of each coating and cleanup material.

- c. The organic compound content of each coating and cleanup material, in pounds per gallon.
- d. The total organic compound 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 organic compound emission rate for all coatings and cleanup materials, d/e, in pounds per hour (average).
- g. The annual, year-to-date, OC emissions, in tons, from all coatings and photochemically reactive cleanup materials (sum of d for each day to date from January to December).

D. Reporting Requirements

1. In accordance with the general terms and conditions of this permit, the permittee shall submit deviation (excursion) reports which include the following information:
 - a. An identification of each day during which the average hourly organic compound emissions from the coatings and photochemically reactive cleanup materials exceeded 0.84 pound per hour, and the actual average hourly organic compound emissions for each such day.
 - b. An identification of each day during which the organic compound emissions and photochemically reactive cleanup materials exceeded 20.16 pounds per day, and the actual organic compound emissions for each such day.
2. The permittee shall submit annual written reports of any deviations (excursions) from the annual organic compound emission limitation in section A.1. If no deviations occurred during a calendar year, the permittee shall submit an annual report, which states that no deviations occurred during that year. The reports shall be submitted annually, by January 31 of each year and shall cover the previous calendar year.

E. Testing Requirements

1. Compliance with the emission limitations in this permit to install shall be determined in accordance with the following methods:
 - a. Emission Limitation: 0.84 lb OC/hr & 20.16 lbs OC/day including cleanup material

Applicable Compliance Method: Compliance shall be based upon the recordkeeping requirements contained in section C.1. of this permit.

- b. Emission Limitation: 3.68 tons OC/year including cleanup material

Applicable Compliance Method: Compliance shall be based upon the recordkeeping requirements contained in section C.1. of this permit.

F. Miscellaneous Requirements

1. Modeling to demonstrate compliance with the Ohio EPA's "Air Toxics Policy" was not necessary for emission units R001-R007 because maximum annual emissions for each air toxic compound associated with the modification of the emission units will be less than 1.0 ton. OAC Chapter 3745-31 requires permittees to apply for and obtain a new or modified permit to install prior to making a "modification" as defined by OAC rule 3745-31-01. The permittee is hereby advised that changes in the composition of the materials, or use of new materials, that would cause the emissions of any pollutant that has a listed TLV to increase to above 1.0 ton per year may require the permittee to apply for and obtain a new permit to install.

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>
Adhesive spray booth with dry filtration, MDSBO7 (modification to PTI #03-13250, originally issued on September 22, 1999 to allow for increase in allowable organic compound emissions)	OAC rule 3745-31-05 (A) (3)	Emissions of organic compounds shall not exceed 0.84 pound per hour, 20.16 pounds per day and 3.68 tons per year (includes cleanup material)
	OAC rule 3745-21-07 (G) (2)	See A.2.a.

2. Additional Terms and Conditions

- 2.a The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05 (A) (3).

B. Operational Restrictions

1. None.

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall collect and record the following information for each day for the coating operation:
 - a. The company identification for each coating and cleanup material.

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- b. The number of gallons of each coating and cleanup material.
- c. The organic compound content of each coating and cleanup material, in pounds per gallon.
- d. The total organic compound 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 organic compound emission rate for all coatings and cleanup materials, d/e, in pounds per hour (average).
- g. The annual, year-to-date, OC emissions, in tons, from all coatings and cleanup materials (sum of d for each day to date from January to December).

D. Reporting Requirements

1. In accordance with the general terms and conditions of this permit, the permittee shall submit deviation (excursion) reports which include the following information:
 - a. An identification of each day during which the average hourly organic compound emissions from the coatings and photochemically reactive cleanup materials exceeded 0.84 pound per hour, and the actual average hourly organic compound emissions for each such day.
 - b. An identification of each day during which the organic compound emissions and photochemically reactive cleanup materials exceeded 20.16 pounds per day, and the actual organic compound emissions for each such day.
2. The permittee shall submit annual written reports of any deviations (excursions) from the annual organic compound emission limitation in section A.1. If no deviations occurred during a calendar year, the permittee shall submit an annual report, which states that no deviations occurred during that year. The reports shall be submitted annually, by January 31 of each year and shall cover the previous calendar year.

E. Testing Requirements

1. Compliance with the emission limitations in this permit to install shall be determined in accordance with the following methods:

- a. Emission Limitation: 0.84 lb OC/hr & 20.16 lbs OC/day including cleanup material

Applicable Compliance Method: Compliance shall be based upon the recordkeeping requirements contained in section C.1. of this permit.

- b. Emission Limitation: 3.68 tons OC/year including cleanup material

Applicable Compliance Method: Compliance shall be based upon the recordkeeping requirements contained in section C.1. of this permit.

F. Miscellaneous Requirements

1. Modeling to demonstrate compliance with the Ohio EPA's "Air Toxics Policy" was not necessary for emission units R001-R007 because maximum annual emissions for each air toxic compound associated with the modification of the emission units will be less than 1.0 ton. OAC Chapter 3745-31 requires permittees to apply for and obtain a new or modified permit to install prior to making a "modification" as defined by OAC rule 3745-31-01. The permittee is hereby advised that changes in the composition of the materials, or use of new materials, that would cause the emissions of any pollutant that has a listed TLV to increase to above 1.0 ton per year may require the permittee to apply for and obtain a new permit to install.

NEW SC

PTI Num

FACILITY

Emissions Unit ID: **R007**

FACILITY DESCRIPTION Modification to MD product line adhesive spray booths to allow for increase in organic compound allowable emissions rate

CITY/TWP Upper Sandusky

SIC CODE 3714

SCC CODE 4-02-007-01

EMISSIONS UNIT ID R001

EMISSIONS UNIT DESCRIPTION Solvent-based adhesive and ABS Flaw Repair is spray applied to automotive interior components.

DATE INSTALLED 6-99

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					
PM ₁₀					
Sulfur Dioxide					
Organic Compounds	Attainment	0.61 lb/hr & 14.64 lbs/day	2.67	0.61 lb/hr & 14.64 lbs/day	2.67
Nitrogen Oxides					
Carbon Monoxide					
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS? N

NESHAP? N

PSD? N

OFFSET POLICY? N

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

Enter Determination Compliance with the terms and conditions of this permit.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? N

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: N/A

NEW SOURCE REVIEW FORM B

PTI Number: 03-13518

Facility ID: 0388010052

FACILITY NAME M-TEK, Inc.

FACILITY DESCRIPTION Modification to MD product line adhesive CITY/TWP Upper Sandusky

Emissions Unit ID: **R007**

SIC CODE 3714

SCC CODE 4-02-007-01

EMISSIONS UNIT ID R002

EMISSIONS UNIT DESCRIPTION Solvent-based adhesive and ABS Flaw Repair is spray applied to automotive interior components.

DATE INSTALLED 6-99

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					
PM ₁₀					
Sulfur Dioxide					
Organic Compounds	Attainment	0.61 lb/hr & 14.64 lbs/day	2.67	0.61 lb/hr & 14.64 lbs/day	2.67
Nitrogen Oxides					
Carbon Monoxide					
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS? N

NESHAP? N

PSD? N

OFFSET POLICY? N

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?**Enter Determination** Compliance with the terms and conditions of this permit.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? N

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 NOIDENTIFY THE AIR CONTAMINANTS: N/A

NEW SOURCE REVIEW FORM B

PTI Number: 03-13518

Facility ID: 0388010052

FACILITY NAME M-TEK, Inc.

FACILITY DESCRIPTION Modification to MD product line adhesive CITY/TWP Upper Sanduskv

Emissions Unit ID: **R007**SIC CODE 3714SCC CODE 4-02-007-01EMISSIONS UNIT ID R003

EMISSIONS UNIT DESCRIPTION Solvent-based adhesive and ABS Flaw Repair is spray applied to automotive interior components.

DATE INSTALLED 6-99

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					
PM ₁₀					
Sulfur Dioxide					
Organic Compounds	Attainment	1.88 lbs/hr	8.23	1.88 lbs/hr	8.23
Nitrogen Oxides					
Carbon Monoxide					
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS? N

NESHAP? N

PSD? N

OFFSET POLICY? N

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?**Enter Determination** Use of carbon bed concentrator in conjunction with thermal oxidizer to reduce emissions by 85.5% and compliance with the terms and conditions of this permit.IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? N

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: N/A

NEW SOURCE REVIEW FORM B

PTI Number: 03-13518

Facility ID: 0388010052

FACILITY NAME M-TEK, Inc.

FACILITY DESCRIPTION Modification to MD product line adhesive CITY/TWP Upper Sanduskv

Emissions Unit ID: R007

SIC CODE 3714

SCC CODE 4-02-007-01

EMISSIONS UNIT ID R004

EMISSIONS UNIT DESCRIPTION Solvent-based adhesive and ABS Flaw Repair is spray applied to automotive interior components.

DATE INSTALLED 6-99

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					
PM ₁₀					
Sulfur Dioxide					
Organic Compounds	Attainment	1.88 lbs/hr	8.23	1.88 lbs/hr	8.23
Nitrogen Oxides					
Carbon Monoxide					
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS? N

NESHAP? N

PSD? N

OFFSET POLICY? N

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

Enter Determination Use of carbon bed concentrator in conjunction with a thermal oxidizer to reduce organic compound emissions by 85.5% and compliance with the terms and conditions of this permit.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? N

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: N/A

NEW SC

PTI Num

FACILITY

Emissions Unit ID: **R007**

FACILITY DESCRIPTION Modification to MD product line adhesive spray booths to allow for increase in allowable organic compound emissions rate CITY/TWP Upper Sandusky

SIC CODE 3714 SCC CODE 4-02-007-01 EMISSIONS UNIT ID R005

EMISSIONS UNIT DESCRIPTION Solvent-based adhesive and ABS Flaw Repair is spray applied to automotive interior components.

DATE INSTALLED 6-99

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					
PM ₁₀					
Sulfur Dioxide					
Organic Compounds	Attainment	0.84 lb/hr & 20.16 lbs/day	3.68	0.84 lb/hr & 20.16 lbs/day	3.68
Nitrogen Oxides					
Carbon Monoxide					
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS? N

NESHAP? N

PSD? N

OFFSET POLICY? N

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

Enter Determination Compliance with the terms and conditions of this permit.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? N

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: N/A

NEW SOURCE REVIEW FORM B

PTI Number: 03-13518

Facility ID: 0388010052

FACILITY NAME M-TEK, Inc.

FACILITY DESCRIPTION Modification to MD product line adhesive CITY/TWP Upper Sandusky

Emissions Unit ID: **R007**SIC CODE 3714SCC CODE 4-02-007-01EMISSIONS UNIT ID R006

EMISSIONS UNIT DESCRIPTION Solvent-based adhesive and ABS Flaw Repair is spray applied to automotive interior components.

DATE INSTALLED 6-99

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					
PM ₁₀					
Sulfur Dioxide					
Organic Compounds	Attainment	0.84 lb/hr & 20.16 lbs/day	3.68	0.84 lb/hr & 20.16 lbs/day	3.68
Nitrogen Oxides					
Carbon Monoxide					
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS? N

NESHAP? N

PSD? N

OFFSET POLICY? N

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?**Enter Determination** Compliance with the terms and conditions of this permit.IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? NOPTIONAL: 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 NOIDENTIFY THE AIR CONTAMINANTS: N/A

NEW SOURCE REVIEW FORM B

PTI Number: 03-13518

Facility ID: 0388010052

FACILITY NAME M-TEK, Inc.

FACILITY DESCRIPTION Modification to MD product line adhesive CITY/TWP Upper Sanduskv

Emissions Unit ID: **R007**

SIC CODE 3714

SCC CODE 4-02-007-01

EMISSIONS UNIT ID R007

EMISSIONS UNIT DESCRIPTION Solvent-based adhesive and ABS Flaw Repair is spray applied to automotive interior components.

DATE INSTALLED 6-99

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					
PM ₁₀					
Sulfur Dioxide					
Organic Compounds	Attainment	0.84 lb/hr & 20.16 lbs/day	3.68	0.84 lb/hr & 20.16 lbs/day	3.68
Nitrogen Oxides					
Carbon Monoxide					
Lead					
Other: Air Toxics					

APPLICABLE FEDERAL RULES:

NSPS? N

NESHAP? N

PSD? N

OFFSET POLICY? N

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

Enter Determination Compliance with the terms and conditions of this permit.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? N

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: N/A