



State of Ohio Environmental Protection Agency

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

CERTIFIED MAIL

Street Address:

Mailing Address:

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

Lazarus Gov.
Center

Application No: 02-22463

Fac ID: 0204010490

DATE: 5/8/2007

GMR Technologies, Inc.
Tony Giancola
2131 Aetna Rd.
Ashtabula, OH 44004

You are hereby notified that the Ohio Environmental Protection Agency has made a draft action recommending that the Director issue a Permit to Install for the air contaminant source(s) [emissions unit(s)] shown on the enclosed draft permit. This draft action is not an authorization to begin construction or modification of your emissions unit(s). The purpose of this draft is to solicit public comments on the proposed installation. A public notice concerning the draft permit will appear in the Ohio EPA Weekly Review and the newspaper in the county where the facility will be located. Public comments will be accepted by the field office within 30 days of the date of publication in the newspaper. Any comments you have on the draft permit should be directed to the appropriate field office within the comment period. A copy of your comments should also be mailed to Robert Hodanbosi, Division of Air Pollution Control, Ohio EPA, P.O. Box 1049, Columbus, OH, 43216-1049.

A Permit to Install may be issued in proposed or final form based on the draft action, any written public comments received within 30 days of the public notice, or record of a public meeting if one is held. You will be notified in writing of a scheduled public meeting. Upon issuance of a final Permit to Install a fee of **\$6200** will be due. Please do not submit any payment now.

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. If you have any questions about this draft permit, please contact the field office where you submitted your application, or Mike Ahern, Field Operations & Permit Section at (614) 644-3631.

Sincerely,

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

CC: USEPA

NEDO

EASTGATE DEV & TRANS STUDY

NY

PA

ASHTABULA COUNTY

PUBLIC NOTICE

**ISSUANCE OF DRAFT PERMIT TO INSTALL 02-22463 FOR AN AIR CONTAMINANT SOURCE
FOR GMR Technologies, Inc.**

On 5/8/2007 the Director of the Ohio Environmental Protection Agency issued a draft action of a Permit To Install an air contaminant source for **GMR Technologies, Inc.**, located at **2131 Aetna Rd., Ashtabula**, Ohio.

Installation of the air contaminant source identified below may proceed upon final issuance of Permit To Install 02-22463:

16 compression mold presses and injection mold presses.

Comments concerning this draft action, or a request for a public meeting, must be sent in writing to the address identified below no later than thirty (30) days from the date this notice is published. All inquiries concerning this draft action may be directed to the contact identified below.

Dennis Bush, Ohio EPA, Northeast District Office, 2110 East Aurora Road, Twinsburg, OH 44087
[(330)425-9171]



**Permit To Install
Terms and Conditions**

**Issue Date: To be entered upon final issuance
Effective Date: To be entered upon final issuance**

DRAFT PERMIT TO INSTALL 02-22463

Application Number: 02-22463
Facility ID: 0204010490
Permit Fee: **To be entered upon final issuance**
Name of Facility: GMR Technologies, Inc.
Person to Contact: Tony Giancola
Address: 2131 Aetna Rd.
Ashtabula, OH 44004

Location of proposed air contaminant source(s) [emissions unit(s)]:
**2131 Aetna Rd.
Ashtabula, Ohio**

Description of proposed emissions unit(s):
16 compression mold presses and injection mold presses.

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

Chris Korleski
Director

GMR Technologies, Inc.

Facility ID: 0204010490

PTI Application: 02-22463

Issued: To be entered upon final issuance

Part I - GENERAL TERMS AND CONDITIONS

A. Permit to Install General Terms and Conditions

1. Compliance Requirements

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

2. Reporting Requirements

The permittee shall submit required reports in the following manner:

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

3. Records Retention Requirements

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

4. Inspections and Information Requests

The Director of the Ohio EPA, or an authorized representative of the Director, may, subject to the safety requirements of the permittee and without undue delay, enter upon the premises of this source at any reasonable time for purposes of making inspections,

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

5. Scheduled Maintenance/Malfunction Reporting

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

6. Permit Transfers

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

7. Air Pollution Nuisance

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

8. Termination of Permit to Install

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

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9. Construction of New Sources(s)

The proposed emissions unit(s) shall be constructed in strict accordance with the plans and application submitted for this permit to the Director of the Ohio Environmental Protection Agency. There may be no deviation from the approved plans without the express, written approval of the Agency. Any deviations from the approved plans or the above conditions may lead to such sanctions and penalties as provided under Ohio law. Approval of these plans does not constitute an assurance that the proposed facilities will operate in compliance with all Ohio laws and regulations. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed sources cannot meet the requirements of this permit or cannot meet applicable standards.

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

10. Public Disclosure

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

11. Applicability

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

12. Best Available Technology

As specified in OAC Rule 3745-31-05, all new sources must employ Best Available

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Technology (BAT). Compliance with the terms and conditions of this permit will fulfill this requirement.

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

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

14. Construction Compliance Certification

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

15. Fees

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

B. Permit to Install Summary of Allowable Emissions

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

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

<u>Pollutant</u>	<u>Tons Per Year</u>
VOC/HAP (styrene)	4.76

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

A. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment - (P001) - Press no. 4, 100 ton press with changeable molds

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05(C)	Volatile organic compounds/hazardous air pollutants (VOC/HAP) emissions shall not exceed 6.44 pounds per month and 0.04 ton per year. See sections A.2.a, B.1 and B.2.

2. Additional Terms and Conditions

- 2.a The permittee has voluntarily accepted the operational restrictions in sections B.1 and B.2.

B. Operational Restrictions

- 1. The permittee must uncover, unwrap or expose only one charge per mold cycle per compression/injection molding machine. For machines with multiple molds, one charge means sufficient material to fill all molds per one cycle. For machines with robotic loaders, no more than one charge may be exposed prior to the loader. For machines fed by hoppers, sufficient material may be uncovered to fill the hopper. Hoppers must be closed when not adding materials. Materials may be uncovered to feed to slitting machines. Materials must be recovered after slitting.
- 2. The permittee shall keep containers that store HAP-containing materials closed or covered except during the addition or removal of materials. Bulk HAP-containing materials storage tanks may be vented as necessary for safety.

C. Monitoring and/or Record keeping Requirements

Issued: To be entered upon final issuance

1. The permittee shall collect and record the following information each month for this emissions unit:
 - a. the company identification for each mold compound employed;
 - b. the number of pounds of each mold compound employed;
 - c. the percent, by weight, of VOC/HAP in each mold compound employed; and
 - d. the available VOC/HAP from each mold compound employed, calculated as (b x c) for each mold compound employed.
2. The permittee shall conduct daily inspections of this emissions unit and maintain a log of these inspections. The log shall include the compliance status of the work practice standard identified in section B.1 and shall include the following information:
 - a. whether the emissions unit was in operation;
 - b. whether the permittee uncovered, unwrapped or exposed more than one charge per mold cycle per compression/injection molding machine as specified in section B.1; and
 - c. information on the duration and cause of each deviation and the corrective action taken.
3. The permit to install for this emissions unit (P001) was evaluated based on the actual 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 to this emissions unit for each toxic pollutant, using data from the permit to install application, and modeling was performed for the toxic pollutant(s) emitted at over a ton per year using the SCREEN 3.0 model or other Ohio EPA approved model. The predicted 1-hour maximum ground-level concentration result(s) from the use of the SCREEN 3.0 (or other approved) model, was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC), calculated as required in Engineering Guide #70. The following summarizes the results of the modeling for the "worst case" pollutant(s):

Pollutant: styrene monomer

TLV (mg/m³): 85

Maximum Hourly Emission Rate (lbs/hr): 1.1 lbs/hour for P001-P016 combined

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m³): 1286

MAGLC (ug/m³): 2,028

4. 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

Emissions Unit ID: P001

could impact such parameters, the permittee shall conduct an evaluation to determine that the "Air Toxic Policy" will still be 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 or the use of new materials, that would result in the emission of a compound or chemical with a lower Threshold Limit Value (TLV) than the lowest TLV previously modeled, as documented in the most current version of the American Conference of Governmental Industrial Hygienists' (ACGIH's) handbook entitled "TLVs and BEIs" ("Threshold Limit Values for Chemical Substances and Physical Agents, Biological Exposure Indices");
 - b. changes in the composition of the materials, or use of new materials, that would result in 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.).
5. 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 solely due to the emissions of any type of toxic air contaminant not previously emitted, and a modification of the existing permit to install will not be required, even if the toxic air contaminant emissions are greater than the de minimis level in OAC rule 3745-15-05. If the change(s) meet(s) the definition of a "modification" under other provisions of the rule, then the permittee shall obtain a final permit to install prior to the change.

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 the 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.

D. Reporting Requirements

1. The permittee shall submit written quarterly deviation (excursion) reports. The quarterly reports shall include:
 - a. an identification of each month during which the monthly VOC/HAP emissions exceeded 6.44 pounds, and the actual monthly VOC/HAP emissions for each such month; and
 - b. an identification of any day the permittee uncovered, unwrapped or exposed more than one charge per mold cycle per compression/injection molding machine.

If no deviations occurred during any such calendar quarter, a report indicating no deviations shall be sent.

E. Testing Requirements

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

- a. Emission Limitation:

VOC/HAP emissions shall not exceed 6.44 pounds per month.

Applicable Compliance Method:

Compliance shall be calculated as the summation of the monthly VOC/HAP emissions for all mold compounds employed. The emissions for each mold compound shall be calculated as follows:

$$\text{lbs VOC/HAP per month} = P \times 2.0\%$$

where:

P = available VOC/HAP, in pounds per month, as recorded in section C.1.d; and
2.0 % = an emission factor based upon AP-24, Table 4.4-2 "Emission Factors for Uncontrolled Polyester Resin Product Fabrication Processes" (02/07).

- b. Emission Limitation:

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VOC/HAP emissions shall not exceed 0.04 ton per year.

Applicable Compliance Method:

Compliance shall be demonstrated by the summation of the monthly emissions calculated in section E.1.a for the calendar year and then dividing 2000 lbs/ton.

F. Miscellaneous Requirements

None

Issued: To be entered upon final issuance

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

A. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment - (P002) - Press no. 5, 100 ton press with changeable molds

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05(C)	Volatile organic compounds/hazardous air pollutants (VOC/HAP) emissions shall not exceed 12.88 pounds per month and 0.08 ton per year. See sections A.2.a, B.1 and B.2.

2. Additional Terms and Conditions

- 2.a The permittee has voluntarily accepted the operational restrictions in sections B.1 and B.2.

B. Operational Restrictions

1. The permittee must uncover, unwrap or expose only one charge per mold cycle per compression/injection molding machine. For machines with multiple molds, one charge means sufficient material to fill all molds per one cycle. For machines with robotic loaders, no more than one charge may be exposed prior to the loader. For machines fed by hoppers, sufficient material may be uncovered to fill the hopper. Hoppers must be closed when not adding materials. Materials may be uncovered to feed to slitting machines. Materials must be recovered after slitting.
2. The permittee shall keep containers that store HAP-containing materials closed or covered except during the addition or removal of materials. Bulk HAP-containing materials storage tanks may be vented as necessary for safety.

C. Monitoring and/or Record keeping Requirements

Issued: To be entered upon final issuance

1. The permittee shall collect and record the following information each month for this emissions unit:
 - a. the company identification for each mold compound employed;
 - b. the number of pounds of each mold compound employed;
 - c. the percent, by weight, of VOC/HAP in each mold compound employed; and
 - d. the available VOC/HAP from each mold compound employed, calculated as (b x c) for each mold compound employed.

2. The permittee shall conduct daily inspections of this emissions unit and maintain a log of these inspections. The log shall include the compliance status of the work practice standard identified in section B.1 and shall include the following information:
 - a. whether the emissions unit was in operation;
 - b. whether the permittee uncovered, unwrapped or exposed more than one charge per mold cycle per compression/injection molding machine as specified in section B.1; and
 - c. information on the duration and cause of each deviation and the corrective action taken.

3. The permit to install for this emissions unit (P001) was evaluated based on the actual 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 to this emissions unit for each toxic pollutant, using data from the permit to install application, and modeling was performed for the toxic pollutant(s) emitted at over a ton per year using the SCREEN 3.0 model or other Ohio EPA approved model. The predicted 1-hour maximum ground-level concentration result(s) from the use of the SCREEN 3.0 (or other approved) model, was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC), calculated as required in Engineering Guide #70. The following summarizes the results of the modeling for the "worst case" pollutant(s):

Pollutant: styrene monomer
TLV (mg/m³): 85
Maximum Hourly Emission Rate (lbs/hr): 1.1 lbs/hour for P001-P016 combined
Predicted 1-Hour Maximum Ground-Level Concentration (ug/m³): 1286
MAGLC (ug/m³): 2,028

4. 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

Emissions Unit ID: P002

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 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 or the use of new materials, that would result in the emission of a compound or chemical with a lower Threshold Limit Value (TLV) than the lowest TLV previously modeled, as documented in the most current version of the American Conference of Governmental Industrial Hygienists' (ACGIH's) handbook entitled "TLVs and BEIs" ("Threshold Limit Values for Chemical Substances and Physical Agents, Biological Exposure Indices");
 - b. changes in the composition of the materials, or use of new materials, that would result in 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.).
5. 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 solely due to the emissions of any type of toxic air contaminant not previously emitted, and a modification of the existing permit to install will not be required, even if the toxic air contaminant emissions are greater than the de minimis level in OAC rule 3745-15-05. If the change(s) meet(s) the definition of a "modification" under other provisions of the rule, then the permittee shall obtain a final permit to install prior to the change.

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 the 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

Emissions Unit ID: **P002**

runs that show the results of the application of the "Air Toxic Policy" for the change.

D. Reporting Requirements

1. The permittee shall submit written quarterly deviation (excursion) reports. The quarterly reports shall include:
 - a. an identification of each month during which the monthly VOC/HAP emissions exceeded 12.88 pounds, and the actual monthly VOC/HAP emissions for each such month; and
 - b. an identification of any day the permittee uncovered, unwrapped or exposed more than one charge per mold cycle per compression/injection molding machine.

If no deviations occurred during any such calendar quarter, a report indicating no deviations shall be sent.

E. Testing Requirements

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

VOC/HAP emissions shall not exceed 12.88 pounds per month.

Applicable Compliance Method:

Compliance shall be calculated as the summation of the monthly VOC/HAP emissions for all mold compounds employed. The emissions for each mold compound shall be calculated as follows:

$$\text{lbs VOC/HAP per month} = P \times 2.0\%$$

where:

P = available VOC/HAP, in pounds per month, as recorded in section C.1.d; and
 2.0 % = an emission factor based upon AP-24, Table 4.4-2 "Emission Factors for Uncontrolled Polyester Resin Product Fabrication Processes" (02/07).

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b. Emission Limitation:

VOC/HAP emissions shall not exceed 0.08 ton per year.

Applicable Compliance Method:

Compliance shall be demonstrated by the summation of the monthly emissions calculated in section E.1.a for the calendar year and then dividing 2000 lbs/ton.

F. Miscellaneous Requirements

None

Issued: To be entered upon final issuance

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

A. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment - (P003) - Press no. 6, 100 ton press with changeable molds

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05(C)	Volatile organic compounds/hazardous air pollutants (VOC/HAP) emissions shall not exceed 12.88 pounds per month and 0.08 ton per year. See sections A.2.a, B.1 and B.2.

2. Additional Terms and Conditions

- 2.a The permittee has voluntarily accepted the operational restrictions in sections B.1 and B.2.

B. Operational Restrictions

1. The permittee must uncover, unwrap or expose only one charge per mold cycle per compression/injection molding machine. For machines with multiple molds, one charge means sufficient material to fill all molds per one cycle. For machines with robotic loaders, no more than one charge may be exposed prior to the loader. For machines fed by hoppers, sufficient material may be uncovered to fill the hopper. Hoppers must be closed when not adding materials. Materials may be uncovered to feed to slitting machines. Materials must be recovered after slitting.
2. The permittee shall keep containers that store HAP-containing materials closed or covered except during the addition or removal of materials. Bulk HAP-containing materials storage tanks may be vented as necessary for safety.

C. Monitoring and/or Record keeping Requirements

1. The permittee shall collect and record the following information each month for this emissions unit:
 - a. the company identification for each mold compound employed;
 - b. the number of pounds of each mold compound employed;
 - c. the percent, by weight, of VOC/HAP in each mold compound employed; and
 - d. the available VOC/HAP from each mold compound employed, calculated as $(b \times c)$ for each mold compound employed.

2. The permittee shall conduct daily inspections of this emissions unit and maintain a log of these inspections. The log shall include the compliance status of the work practice standard identified in section B.1 and shall include the following information:
 - a. whether the emissions unit was in operation;
 - b. whether the permittee uncovered, unwrapped or exposed more than one charge per mold cycle per compression/injection molding machine as specified in section B.1; and
 - c. information on the duration and cause of each deviation and the corrective action taken.

3. The permit to install for this emissions unit (P001) was evaluated based on the actual 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 to this emissions unit for each toxic pollutant, using data from the permit to install application, and modeling was performed for the toxic pollutant(s) emitted at over a ton per year using the SCREEN 3.0 model or other Ohio EPA approved model. The predicted 1-hour maximum ground-level concentration result(s) from the use of the SCREEN 3.0 (or other approved) model, was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC), calculated as required in Engineering Guide #70. The following summarizes the results of the modeling for the "worst case" pollutant(s):

Pollutant: styrene monomer
TLV (mg/m³): 85
Maximum Hourly Emission Rate (lbs/hr): 1.1 lbs/hour for P001-P016 combined
Predicted 1-Hour Maximum Ground-Level Concentration (ug/m³): 1286
MAGLC (ug/m³): 2,028

4. 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

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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 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 or the use of new materials, that would result in the emission of a compound or chemical with a lower Threshold Limit Value (TLV) than the lowest TLV previously modeled, as documented in the most current version of the American Conference of Governmental Industrial Hygienists' (ACGIH's) handbook entitled "TLVs and BEIs" ("Threshold Limit Values for Chemical Substances and Physical Agents, Biological Exposure Indices");
 - b. changes in the composition of the materials, or use of new materials, that would result in 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.).
5. 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 solely due to the emissions of any type of toxic air contaminant not previously emitted, and a modification of the existing permit to install will not be required, even if the toxic air contaminant emissions are greater than the de minimis level in OAC rule 3745-15-05. If the change(s) meet(s) the definition of a "modification" under other provisions of the rule, then the permittee shall obtain a final permit to install prior to the change.

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 the 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

Emissions Unit ID: P003

runs that show the results of the application of the "Air Toxic Policy" for the change.

D. Reporting Requirements

1. The permittee shall submit written quarterly deviation (excursion) reports. The quarterly reports shall include:
 - a. an identification of each month during which the monthly VOC/HAP emissions exceeded 12.88 pounds, and the actual monthly VOC/HAP emissions for each such month; and
 - b. an identification of any day the permittee uncovered, unwrapped or exposed more than one charge per mold cycle per compression/injection molding machine.

If no deviations occurred during any such calendar quarter, a report indicating no deviations shall be sent.

E. Testing Requirements

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

VOC/HAP emissions shall not exceed 12.88 pounds per month.

Applicable Compliance Method:

Compliance shall be calculated as the summation of the monthly VOC/HAP emissions for all mold compounds employed. The emissions for each mold compound shall be calculated as follows:

$$\text{lbs VOC/HAP per month} = P \times 2.0\%$$

where:

P = available VOC/HAP, in pounds per month, as recorded in section C.1.d; and
2.0 % = an emission factor based upon AP-24, Table 4.4-2 "Emission Factors for Uncontrolled Polyester Resin Product Fabrication Processes" (02/07).

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b. Emission Limitation:

VOC/HAP emissions shall not exceed 0.08 ton per year.

Applicable Compliance Method:

Compliance shall be demonstrated by the summation of the monthly emissions calculated in section E.1.a for the calendar year and then dividing 2000 lbs/ton.

F. Miscellaneous Requirements

None

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

Operations, Property, and/or Equipment - (P004) - Press no. 9, 300 ton press with changeable molds

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05(C)	Volatile organic compounds/hazardous air pollutants (VOC/HAP) emissions shall not exceed 55.50 pounds per month and 0.33 ton per year. See sections A.2.a, B.1 and B.2.

2. Additional Terms and Conditions

- 2.a The permittee has voluntarily accepted the operational restrictions in sections B.1 and B.2.

B. Operational Restrictions

1. The permittee must uncover, unwrap or expose only one charge per mold cycle per compression/injection molding machine. For machines with multiple molds, one charge means sufficient material to fill all molds per one cycle. For machines with robotic loaders, no more than one charge may be exposed prior to the loader. For machines fed by hoppers, sufficient material may be uncovered to fill the hopper. Hoppers must be closed when not adding materials. Materials may be uncovered to feed to slitting machines. Materials must be recovered after slitting.
2. The permittee shall keep containers that store HAP-containing materials closed or covered except during the addition or removal of materials. Bulk HAP-containing materials storage tanks may be vented as necessary for safety.

C. Monitoring and/or Record keeping Requirements

1. The permittee shall collect and record the following information each month for this emissions unit:
 - a. the company identification for each mold compound employed;
 - b. the number of pounds of each mold compound employed;
 - c. the percent, by weight, of VOC/HAP in each mold compound employed; and
 - d. the available VOC/HAP from each mold compound employed, calculated as $(b \times c)$ for each mold compound employed.

2. The permittee shall conduct daily inspections of this emissions unit and maintain a log of these inspections. The log shall include the compliance status of the work practice standard identified in section B.1 and shall include the following information:
 - a. whether the emissions unit was in operation;
 - b. whether the permittee uncovered, unwrapped or exposed more than one charge per mold cycle per compression/injection molding machine as specified in section B.1; and
 - c. information on the duration and cause of each deviation and the corrective action taken.

3. The permit to install for this emissions unit (P001) was evaluated based on the actual 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 to this emissions unit for each toxic pollutant, using data from the permit to install application, and modeling was performed for the toxic pollutant(s) emitted at over a ton per year using the SCREEN 3.0 model or other Ohio EPA approved model. The predicted 1-hour maximum ground-level concentration result(s) from the use of the SCREEN 3.0 (or other approved) model, was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC), calculated as required in Engineering Guide #70. The following summarizes the results of the modeling for the "worst case" pollutant(s):

Pollutant: styrene monomer
TLV (mg/m3): 85
Maximum Hourly Emission Rate (lbs/hr): 1.1 lbs/hour for P001-P016 combined
Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 1286
MAGLC (ug/m3): 2,028

4. 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

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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 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 or the use of new materials, that would result in the emission of a compound or chemical with a lower Threshold Limit Value (TLV) than the lowest TLV previously modeled, as documented in the most current version of the American Conference of Governmental Industrial Hygienists' (ACGIH's) handbook entitled "TLVs and BEIs" ("Threshold Limit Values for Chemical Substances and Physical Agents, Biological Exposure Indices");
 - b. changes in the composition of the materials, or use of new materials, that would result in 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.).
5. 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 solely due to the emissions of any type of toxic air contaminant not previously emitted, and a modification of the existing permit to install will not be required, even if the toxic air contaminant emissions are greater than the de minimis level in OAC rule 3745-15-05. If the change(s) meet(s) the definition of a "modification" under other provisions of the rule, then the permittee shall obtain a final permit to install prior to the change.

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 the 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

Emissions Unit ID: P004

runs that show the results of the application of the "Air Toxic Policy" for the change.

D. Reporting Requirements

1. The permittee shall submit written quarterly deviation (excursion) reports. The quarterly reports shall include:
 - a. an identification of each month during which the monthly VOC/HAP emissions exceeded 55.50 pounds, and the actual monthly VOC/HAP emissions for each such month; and
 - b. an identification of any day the permittee uncovered, unwrapped or exposed more than one charge per mold cycle per compression/injection molding machine.

If no deviations occurred during any such calendar quarter, a report indicating no deviations shall be sent.

E. Testing Requirements

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

VOC/HAP emissions shall not exceed 55.50 pounds per month.

Applicable Compliance Method:

Compliance shall be calculated as the summation of the monthly VOC/HAP emissions for all mold compounds employed. The emissions for each mold compound shall be calculated as follows:

$$\text{lbs VOC/HAP per month} = P \times 2.0\%$$

where:

P = available VOC/HAP, in pounds per month, as recorded in section C.1.d; and
2.0 % = an emission factor based upon AP-24, Table 4.4-2 "Emission Factors for Uncontrolled Polyester Resin Product Fabrication Processes" (02/07).

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b. Emission Limitation:

VOC/HAP emissions shall not exceed 0.33 ton per year.

Applicable Compliance Method:

Compliance shall be demonstrated by the summation of the monthly emissions calculated in section E.1.a for the calendar year and then dividing 2000 lbs/ton.

F. Miscellaneous Requirements

None

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

Operations, Property, and/or Equipment - (P005) - Press no. 11, 300 ton press with changeable molds

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05(C)	Volatile organic compounds/hazardous air pollutants (VOC/HAP) emissions shall not exceed 22.63 pounds per month and 0.14 ton per year. See sections A.2.a, B.1 and B.2.

2. Additional Terms and Conditions

- 2.a The permittee has voluntarily accepted the operational restrictions in sections B.1 and B.2.

B. Operational Restrictions

1. The permittee must uncover, unwrap or expose only one charge per mold cycle per compression/injection molding machine. For machines with multiple molds, one charge means sufficient material to fill all molds per one cycle. For machines with robotic loaders, no more than one charge may be exposed prior to the loader. For machines fed by hoppers, sufficient material may be uncovered to fill the hopper. Hoppers must be closed when not adding materials. Materials may be uncovered to feed to slitting machines. Materials must be recovered after slitting.
2. The permittee shall keep containers that store HAP-containing materials closed or covered except during the addition or removal of materials. Bulk HAP-containing materials storage tanks may be vented as necessary for safety.

C. Monitoring and/or Record keeping Requirements

1. The permittee shall collect and record the following information each month for this emissions unit:
 - a. the company identification for each mold compound employed;
 - b. the number of pounds of each mold compound employed;
 - c. the percent, by weight, of VOC/HAP in each mold compound employed; and
 - d. the available VOC/HAP from each mold compound employed, calculated as $(b \times c)$ for each mold compound employed.

2. The permittee shall conduct daily inspections of this emissions unit and maintain a log of these inspections. The log shall include the compliance status of the work practice standard identified in section B.1 and shall include the following information:
 - a. whether the emissions unit was in operation;
 - b. whether the permittee uncovered, unwrapped or exposed more than one charge per mold cycle per compression/injection molding machine as specified in section B.1; and
 - c. information on the duration and cause of each deviation and the corrective action taken.

3. The permit to install for this emissions unit (P001) was evaluated based on the actual 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 to this emissions unit for each toxic pollutant, using data from the permit to install application, and modeling was performed for the toxic pollutant(s) emitted at over a ton per year using the SCREEN 3.0 model or other Ohio EPA approved model. The predicted 1-hour maximum ground-level concentration result(s) from the use of the SCREEN 3.0 (or other approved) model, was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC), calculated as required in Engineering Guide #70. The following summarizes the results of the modeling for the "worst case" pollutant(s):

Pollutant: styrene monomer
TLV (mg/m3): 85
Maximum Hourly Emission Rate (lbs/hr): 1.1 lbs/hour for P001-P016 combined
Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 1286
MAGLC (ug/m3): 2,028

4. 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

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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 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 or the use of new materials, that would result in the emission of a compound or chemical with a lower Threshold Limit Value (TLV) than the lowest TLV previously modeled, as documented in the most current version of the American Conference of Governmental Industrial Hygienists' (ACGIH's) handbook entitled "TLVs and BEIs" ("Threshold Limit Values for Chemical Substances and Physical Agents, Biological Exposure Indices");
 - b. changes in the composition of the materials, or use of new materials, that would result in 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.).
5. 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 solely due to the emissions of any type of toxic air contaminant not previously emitted, and a modification of the existing permit to install will not be required, even if the toxic air contaminant emissions are greater than the de minimis level in OAC rule 3745-15-05. If the change(s) meet(s) the definition of a "modification" under other provisions of the rule, then the permittee shall obtain a final permit to install prior to the change.

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 the 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

Emissions Unit ID: P005

runs that show the results of the application of the "Air Toxic Policy" for the change.

D. Reporting Requirements

1. The permittee shall submit written quarterly deviation (excursion) reports. The quarterly reports shall include:
 - a. an identification of each month during which the monthly VOC/HAP emissions exceeded 22.63 pounds, and the actual monthly VOC/HAP emissions for each such month; and
 - b. an identification of any day the permittee uncovered, unwrapped or exposed more than one charge per mold cycle per compression/injection molding machine.

If no deviations occurred during any such calendar quarter, a report indicating no deviations shall be sent.

E. Testing Requirements

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

VOC/HAP emissions shall not exceed 22.63 pounds per month.

Applicable Compliance Method:

Compliance shall be calculated as the summation of the monthly VOC/HAP emissions for all mold compounds employed. The emissions for each mold compound shall be calculated as follows:

$$\text{lbs VOC/HAP per month} = P \times 2.0\%$$

where:

P = available VOC/HAP, in pounds per month, as recorded in section C.1.d; and
2.0 % = an emission factor based upon AP-24, Table 4.4-2 "Emission Factors for Uncontrolled Polyester Resin Product Fabrication Processes" (02/07).

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b. Emission Limitation:

VOC/HAP emissions shall not exceed 0.14 ton per year.

Applicable Compliance Method:

Compliance shall be demonstrated by the summation of the monthly emissions calculated in section E.1.a for the calendar year and then dividing 2000 lbs/ton.

F. Miscellaneous Requirements

None

Issued: To be entered upon final issuance

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

A. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment - (P006) - Press no. 14, 300 ton press with changeable molds

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05(C)	Volatile organic compounds/hazardous air pollutants (VOC/HAP) emissions shall not exceed 25.78 pounds per month and 0.15 ton per year. See sections A.2.a, B.1 and B.2.

2. Additional Terms and Conditions

- 2.a The permittee has voluntarily accepted the operational restrictions in sections B.1 and B.2.

B. Operational Restrictions

1. The permittee must uncover, unwrap or expose only one charge per mold cycle per compression/injection molding machine. For machines with multiple molds, one charge means sufficient material to fill all molds per one cycle. For machines with robotic loaders, no more than one charge may be exposed prior to the loader. For machines fed by hoppers, sufficient material may be uncovered to fill the hopper. Hoppers must be closed when not adding materials. Materials may be uncovered to feed to slitting machines. Materials must be recovered after slitting.
2. The permittee shall keep containers that store HAP-containing materials closed or covered except during the addition or removal of materials. Bulk HAP-containing materials storage tanks may be vented as necessary for safety.

C. Monitoring and/or Record keeping Requirements

1. The permittee shall collect and record the following information each month for this emissions unit:
 - a. the company identification for each mold compound employed;
 - b. the number of pounds of each mold compound employed;
 - c. the percent, by weight, of VOC/HAP in each mold compound employed; and
 - d. the available VOC/HAP from each mold compound employed, calculated as $(b \times c)$ for each mold compound employed.

2. The permittee shall conduct daily inspections of this emissions unit and maintain a log of these inspections. The log shall include the compliance status of the work practice standard identified in section B.1 and shall include the following information:
 - a. whether the emissions unit was in operation;
 - b. whether the permittee uncovered, unwrapped or exposed more than one charge per mold cycle per compression/injection molding machine as specified in section B.1; and
 - c. information on the duration and cause of each deviation and the corrective action taken.

3. The permit to install for this emissions unit (P001) was evaluated based on the actual 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 to this emissions unit for each toxic pollutant, using data from the permit to install application, and modeling was performed for the toxic pollutant(s) emitted at over a ton per year using the SCREEN 3.0 model or other Ohio EPA approved model. The predicted 1-hour maximum ground-level concentration result(s) from the use of the SCREEN 3.0 (or other approved) model, was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC), calculated as required in Engineering Guide #70. The following summarizes the results of the modeling for the "worst case" pollutant(s):

Pollutant: styrene monomer
TLV (mg/m3): 85
Maximum Hourly Emission Rate (lbs/hr): 1.1 lbs/hour for P001-P016 combined
Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 1286
MAGLC (ug/m3): 2,028

4. 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

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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 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 or the use of new materials, that would result in the emission of a compound or chemical with a lower Threshold Limit Value (TLV) than the lowest TLV previously modeled, as documented in the most current version of the American Conference of Governmental Industrial Hygienists' (ACGIH's) handbook entitled "TLVs and BEIs" ("Threshold Limit Values for Chemical Substances and Physical Agents, Biological Exposure Indices");
 - b. changes in the composition of the materials, or use of new materials, that would result in 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.).
5. 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 solely due to the emissions of any type of toxic air contaminant not previously emitted, and a modification of the existing permit to install will not be required, even if the toxic air contaminant emissions are greater than the de minimis level in OAC rule 3745-15-05. If the change(s) meet(s) the definition of a "modification" under other provisions of the rule, then the permittee shall obtain a final permit to install prior to the change.

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 the 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

Emissions Unit ID: P006

runs that show the results of the application of the "Air Toxic Policy" for the change.

D. Reporting Requirements

1. The permittee shall submit written quarterly deviation (excursion) reports. The quarterly reports shall include:
 - a. an identification of each month during which the monthly VOC/HAP emissions exceeded 25.78 pounds, and the actual monthly VOC/HAP emissions for each such month; and
 - b. an identification of any day the permittee uncovered, unwrapped or exposed more than one charge per mold cycle per compression/injection molding machine.

If no deviations occurred during any such calendar quarter, a report indicating no deviations shall be sent.

E. Testing Requirements

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

- a. Emission Limitation:

VOC/HAP emissions shall not exceed 25.78 pounds per month.

Applicable Compliance Method:

Compliance shall be calculated as the summation of the monthly VOC/HAP emissions for all mold compounds employed. The emissions for each mold compound shall be calculated as follows:

$$\text{lbs VOC/HAP per month} = P \times 2.0\%$$

where:

P = available VOC/HAP, in pounds per month, as recorded in section C.1.d; and
2.0 % = an emission factor based upon AP-24, Table 4.4-2 "Emission Factors for Uncontrolled Polyester Resin Product Fabrication Processes" (02/07).

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b. Emission Limitation:

VOC/HAP emissions shall not exceed 0.15 ton per year.

Applicable Compliance Method:

Compliance shall be demonstrated by the summation of the monthly emissions calculated in section E.1.a for the calendar year and then dividing 2000 lbs/ton.

F. Miscellaneous Requirements

None

Issued: To be entered upon final issuance

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

A. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment - (P007) - Press no. 15, 75 ton press with changeable molds

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05(C)	Volatile organic compounds/hazardous air pollutants (VOC/HAP) emissions shall not exceed 12.92 pounds per month and 0.08 ton per year. See sections A.2.a, B.1 and B.2.

2. Additional Terms and Conditions

- 2.a The permittee has voluntarily accepted the operational restrictions in sections B.1 and B.2.

B. Operational Restrictions

1. The permittee must uncover, unwrap or expose only one charge per mold cycle per compression/injection molding machine. For machines with multiple molds, one charge means sufficient material to fill all molds per one cycle. For machines with robotic loaders, no more than one charge may be exposed prior to the loader. For machines fed by hoppers, sufficient material may be uncovered to fill the hopper. Hoppers must be closed when not adding materials. Materials may be uncovered to feed to slitting machines. Materials must be recovered after slitting.
2. The permittee shall keep containers that store HAP-containing materials closed or covered except during the addition or removal of materials. Bulk HAP-containing materials storage tanks may be vented as necessary for safety.

C. Monitoring and/or Record keeping Requirements

1. The permittee shall collect and record the following information each month for this emissions unit:
 - a. the company identification for each mold compound employed;
 - b. the number of pounds of each mold compound employed;
 - c. the percent, by weight, of VOC/HAP in each mold compound employed; and
 - d. the available VOC/HAP from each mold compound employed, calculated as $(b \times c)$ for each mold compound employed.

2. The permittee shall conduct daily inspections of this emissions unit and maintain a log of these inspections. The log shall include the compliance status of the work practice standard identified in section B.1 and shall include the following information:
 - a. whether the emissions unit was in operation;
 - b. whether the permittee uncovered, unwrapped or exposed more than one charge per mold cycle per compression/injection molding machine as specified in section B.1; and
 - c. information on the duration and cause of each deviation and the corrective action taken.

3. The permit to install for this emissions unit (P001) was evaluated based on the actual 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 to this emissions unit for each toxic pollutant, using data from the permit to install application, and modeling was performed for the toxic pollutant(s) emitted at over a ton per year using the SCREEN 3.0 model or other Ohio EPA approved model. The predicted 1-hour maximum ground-level concentration result(s) from the use of the SCREEN 3.0 (or other approved) model, was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC), calculated as required in Engineering Guide #70. The following summarizes the results of the modeling for the "worst case" pollutant(s):

Pollutant: styrene monomer
TLV (mg/m3): 85
Maximum Hourly Emission Rate (lbs/hr): 1.1 lbs/hour for P001-P016 combined
Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 1286
MAGLC (ug/m3): 2,028

4. 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

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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 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 or the use of new materials, that would result in the emission of a compound or chemical with a lower Threshold Limit Value (TLV) than the lowest TLV previously modeled, as documented in the most current version of the American Conference of Governmental Industrial Hygienists' (ACGIH's) handbook entitled "TLVs and BEIs" ("Threshold Limit Values for Chemical Substances and Physical Agents, Biological Exposure Indices");
 - b. changes in the composition of the materials, or use of new materials, that would result in 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.).
5. 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 solely due to the emissions of any type of toxic air contaminant not previously emitted, and a modification of the existing permit to install will not be required, even if the toxic air contaminant emissions are greater than the de minimis level in OAC rule 3745-15-05. If the change(s) meet(s) the definition of a "modification" under other provisions of the rule, then the permittee shall obtain a final permit to install prior to the change.

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 the 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

Emissions Unit ID: P007

runs that show the results of the application of the "Air Toxic Policy" for the change.

D. Reporting Requirements

1. The permittee shall submit written quarterly deviation (excursion) reports. The quarterly reports shall include:
 - a. an identification of each month during which the monthly VOC/HAP emissions exceeded 12.92 pounds, and the actual monthly VOC/HAP emissions for each such month; and
 - b. an identification of any day the permittee uncovered, unwrapped or exposed more than one charge per mold cycle per compression/injection molding machine.

If no deviations occurred during any such calendar quarter, a report indicating no deviations shall be sent.

E. Testing Requirements

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

VOC/HAP emissions shall not exceed 12.92 pounds per month.

Applicable Compliance Method:

Compliance shall be calculated as the summation of the monthly VOC/HAP emissions for all mold compounds employed. The emissions for each mold compound shall be calculated as follows:

$$\text{lbs VOC/HAP per month} = P \times 2.0\%$$

where:

P = available VOC/HAP, in pounds per month, as recorded in section C.1.d; and
2.0 % = an emission factor based upon AP-24, Table 4.4-2 "Emission Factors for Uncontrolled Polyester Resin Product Fabrication Processes" (02/07).

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b. Emission Limitation:

VOC/HAP emissions shall not exceed 0.08 ton per year.

Applicable Compliance Method:

Compliance shall be demonstrated by the summation of the monthly emissions calculated in section E.1.a for the calendar year and then dividing 2000 lbs/ton.

F. Miscellaneous Requirements

None

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

Operations, Property, and/or Equipment - (P008) - Press no. 16, 250 ton press with changeable molds

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05(C)	Volatile organic compounds/hazardous air pollutants (VOC/HAP) emissions shall not exceed 51.84 pounds per month and 0.31 ton per year. See sections A.2.a, B.1 and B.2.

2. Additional Terms and Conditions

- 2.a The permittee has voluntarily accepted the operational restrictions in sections B.1 and B.2.

B. Operational Restrictions

1. The permittee must uncover, unwrap or expose only one charge per mold cycle per compression/injection molding machine. For machines with multiple molds, one charge means sufficient material to fill all molds per one cycle. For machines with robotic loaders, no more than one charge may be exposed prior to the loader. For machines fed by hoppers, sufficient material may be uncovered to fill the hopper. Hoppers must be closed when not adding materials. Materials may be uncovered to feed to slitting machines. Materials must be recovered after slitting.
2. The permittee shall keep containers that store HAP-containing materials closed or covered except during the addition or removal of materials. Bulk HAP-containing materials storage tanks may be vented as necessary for safety.

C. Monitoring and/or Record keeping Requirements

1. The permittee shall collect and record the following information each month for this emissions unit:
 - a. the company identification for each mold compound employed;
 - b. the number of pounds of each mold compound employed;
 - c. the percent, by weight, of VOC/HAP in each mold compound employed; and
 - d. the available VOC/HAP from each mold compound employed, calculated as $(b \times c)$ for each mold compound employed.

2. The permittee shall conduct daily inspections of this emissions unit and maintain a log of these inspections. The log shall include the compliance status of the work practice standard identified in section B.1 and shall include the following information:
 - a. whether the emissions unit was in operation;
 - b. whether the permittee uncovered, unwrapped or exposed more than one charge per mold cycle per compression/injection molding machine as specified in section B.1; and
 - c. information on the duration and cause of each deviation and the corrective action taken.

3. The permit to install for this emissions unit (P001) was evaluated based on the actual 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 to this emissions unit for each toxic pollutant, using data from the permit to install application, and modeling was performed for the toxic pollutant(s) emitted at over a ton per year using the SCREEN 3.0 model or other Ohio EPA approved model. The predicted 1-hour maximum ground-level concentration result(s) from the use of the SCREEN 3.0 (or other approved) model, was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC), calculated as required in Engineering Guide #70. The following summarizes the results of the modeling for the "worst case" pollutant(s):

Pollutant: styrene monomer
TLV (mg/m3): 85
Maximum Hourly Emission Rate (lbs/hr): 1.1 lbs/hour for P001-P016 combined
Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 1286
MAGLC (ug/m3): 2,028

4. 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

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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 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 or the use of new materials, that would result in the emission of a compound or chemical with a lower Threshold Limit Value (TLV) than the lowest TLV previously modeled, as documented in the most current version of the American Conference of Governmental Industrial Hygienists' (ACGIH's) handbook entitled "TLVs and BEIs" ("Threshold Limit Values for Chemical Substances and Physical Agents, Biological Exposure Indices");
 - b. changes in the composition of the materials, or use of new materials, that would result in 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.).
5. 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 solely due to the emissions of any type of toxic air contaminant not previously emitted, and a modification of the existing permit to install will not be required, even if the toxic air contaminant emissions are greater than the de minimis level in OAC rule 3745-15-05. If the change(s) meet(s) the definition of a "modification" under other provisions of the rule, then the permittee shall obtain a final permit to install prior to the change.

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 the 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

Emissions Unit ID: P008

runs that show the results of the application of the "Air Toxic Policy" for the change.

D. Reporting Requirements

1. The permittee shall submit written quarterly deviation (excursion) reports. The quarterly reports shall include:
 - a. an identification of each month during which the monthly VOC/HAP emissions exceeded 51.84 pounds, and the actual monthly VOC/HAP emissions for each such month; and
 - b. an identification of any day the permittee uncovered, unwrapped or exposed more than one charge per mold cycle per compression/injection molding machine.

If no deviations occurred during any such calendar quarter, a report indicating no deviations shall be sent.

E. Testing Requirements

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

- a. Emission Limitation:

VOC/HAP emissions shall not exceed 51.84 pounds per month.

Applicable Compliance Method:

Compliance shall be calculated as the summation of the monthly VOC/HAP emissions for all mold compounds employed. The emissions for each mold compound shall be calculated as follows:

$$\text{lbs VOC/HAP per month} = P \times 2.0\%$$

where:

P = available VOC/HAP, in pounds per month, as recorded in section C.1.d; and
2.0 % = an emission factor based upon AP-24, Table 4.4-2 "Emission Factors for Uncontrolled Polyester Resin Product Fabrication Processes" (02/07).

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b. Emission Limitation:

VOC/HAP emissions shall not exceed 0.31 ton per year.

Applicable Compliance Method:

Compliance shall be demonstrated by the summation of the monthly emissions calculated in section E.1.a for the calendar year and then dividing 2000 lbs/ton.

F. Miscellaneous Requirements

None

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

Operations, Property, and/or Equipment - (P009) - Press no. 18, 500 ton press with changeable molds

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05(C)	Volatile organic compounds/hazardous air pollutants (VOC/HAP) emissions shall not exceed 51.84 pounds per month and 0.31 ton per year. See sections A.2.a, B.1 and B.2.

2. Additional Terms and Conditions

- 2.a The permittee has voluntarily accepted the operational restrictions in sections B.1 and B.2.

B. Operational Restrictions

1. The permittee must uncover, unwrap or expose only one charge per mold cycle per compression/injection molding machine. For machines with multiple molds, one charge means sufficient material to fill all molds per one cycle. For machines with robotic loaders, no more than one charge may be exposed prior to the loader. For machines fed by hoppers, sufficient material may be uncovered to fill the hopper. Hoppers must be closed when not adding materials. Materials may be uncovered to feed to slitting machines. Materials must be recovered after slitting.
2. The permittee shall keep containers that store HAP-containing materials closed or covered except during the addition or removal of materials. Bulk HAP-containing materials storage tanks may be vented as necessary for safety.

C. Monitoring and/or Record keeping Requirements

1. The permittee shall collect and record the following information each month for this emissions unit:
 - a. the company identification for each mold compound employed;
 - b. the number of pounds of each mold compound employed;
 - c. the percent, by weight, of VOC/HAP in each mold compound employed; and
 - d. the available VOC/HAP from each mold compound employed, calculated as (b x c) for each mold compound employed.

2. The permittee shall conduct daily inspections of this emissions unit and maintain a log of these inspections. The log shall include the compliance status of the work practice standard identified in section B.1 and shall include the following information:
 - a. whether the emissions unit was in operation;
 - b. whether the permittee uncovered, unwrapped or exposed more than one charge per mold cycle per compression/injection molding machine as specified in section B.1; and
 - c. information on the duration and cause of each deviation and the corrective action taken.

3. The permit to install for this emissions unit (P001) was evaluated based on the actual 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 to this emissions unit for each toxic pollutant, using data from the permit to install application, and modeling was performed for the toxic pollutant(s) emitted at over a ton per year using the SCREEN 3.0 model or other Ohio EPA approved model. The predicted 1-hour maximum ground-level concentration result(s) from the use of the SCREEN 3.0 (or other approved) model, was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC), calculated as required in Engineering Guide #70. The following summarizes the results of the modeling for the "worst case" pollutant(s):

Pollutant: styrene monomer
TLV (mg/m3): 85
Maximum Hourly Emission Rate (lbs/hr): 1.1 lbs/hour for P001-P016 combined
Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 1286
MAGLC (ug/m3): 2,028

4. 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

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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 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 or the use of new materials, that would result in the emission of a compound or chemical with a lower Threshold Limit Value (TLV) than the lowest TLV previously modeled, as documented in the most current version of the American Conference of Governmental Industrial Hygienists' (ACGIH's) handbook entitled "TLVs and BEIs" ("Threshold Limit Values for Chemical Substances and Physical Agents, Biological Exposure Indices");
 - b. changes in the composition of the materials, or use of new materials, that would result in 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.).
5. 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 solely due to the emissions of any type of toxic air contaminant not previously emitted, and a modification of the existing permit to install will not be required, even if the toxic air contaminant emissions are greater than the de minimis level in OAC rule 3745-15-05. If the change(s) meet(s) the definition of a "modification" under other provisions of the rule, then the permittee shall obtain a final permit to install prior to the change.

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 the 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

Emissions Unit ID: P009

runs that show the results of the application of the "Air Toxic Policy" for the change.

D. Reporting Requirements

1. The permittee shall submit written quarterly deviation (excursion) reports. The quarterly reports shall include:
 - a. an identification of each month during which the monthly VOC/HAP emissions exceeded 51.84 pounds, and the actual monthly VOC/HAP emissions for each such month; and
 - b. an identification of any day the permittee uncovered, unwrapped or exposed more than one charge per mold cycle per compression/injection molding machine.

If no deviations occurred during any such calendar quarter, a report indicating no deviations shall be sent.

E. Testing Requirements

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

VOC/HAP emissions shall not exceed 51.84 pounds per month.

Applicable Compliance Method:

Compliance shall be calculated as the summation of the monthly VOC/HAP emissions for all mold compounds employed. The emissions for each mold compound shall be calculated as follows:

$$\text{lbs VOC/HAP per month} = P \times 2.0\%$$

where:

P = available VOC/HAP, in pounds per month, as recorded in section C.1.d; and
2.0 % = an emission factor based upon AP-24, Table 4.4-2 "Emission Factors for Uncontrolled Polyester Resin Product Fabrication Processes" (02/07).

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b. Emission Limitation:

VOC/HAP emissions shall not exceed 0.31 ton per year.

Applicable Compliance Method:

Compliance shall be demonstrated by the summation of the monthly emissions calculated in section E.1.a for the calendar year and then dividing 2000 lbs/ton.

F. Miscellaneous Requirements

None

Issued: To be entered upon final issuance

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

A. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment - (P010) - Press no. 19, 500 ton press with changeable molds

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05(C)	Volatile organic compounds/hazardous air pollutants (VOC/HAP) emissions shall not exceed 128.49 pounds per month and 0.77 ton per year. See sections A.2.a, B.1 and B.2.

2. Additional Terms and Conditions

- 2.a The permittee has voluntarily accepted the operational restrictions in sections B.1 and B.2.

B. Operational Restrictions

1. The permittee must uncover, unwrap or expose only one charge per mold cycle per compression/injection molding machine. For machines with multiple molds, one charge means sufficient material to fill all molds per one cycle. For machines with robotic loaders, no more than one charge may be exposed prior to the loader. For machines fed by hoppers, sufficient material may be uncovered to fill the hopper. Hoppers must be closed when not adding materials. Materials may be uncovered to feed to slitting machines. Materials must be recovered after slitting.
2. The permittee shall keep containers that store HAP-containing materials closed or covered except during the addition or removal of materials. Bulk HAP-containing materials storage tanks may be vented as necessary for safety.

C. Monitoring and/or Record keeping Requirements

1. The permittee shall collect and record the following information each month for this emissions unit:
 - a. the company identification for each mold compound employed;
 - b. the number of pounds of each mold compound employed;
 - c. the percent, by weight, of VOC/HAP in each mold compound employed; and
 - d. the available VOC/HAP from each mold compound employed, calculated as $(b \times c)$ for each mold compound employed.

2. The permittee shall conduct daily inspections of this emissions unit and maintain a log of these inspections. The log shall include the compliance status of the work practice standard identified in section B.1 and shall include the following information:
 - a. whether the emissions unit was in operation;
 - b. whether the permittee uncovered, unwrapped or exposed more than one charge per mold cycle per compression/injection molding machine as specified in section B.1; and
 - c. information on the duration and cause of each deviation and the corrective action taken.

3. The permit to install for this emissions unit (P001) was evaluated based on the actual 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 to this emissions unit for each toxic pollutant, using data from the permit to install application, and modeling was performed for the toxic pollutant(s) emitted at over a ton per year using the SCREEN 3.0 model or other Ohio EPA approved model. The predicted 1-hour maximum ground-level concentration result(s) from the use of the SCREEN 3.0 (or other approved) model, was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC), calculated as required in Engineering Guide #70. The following summarizes the results of the modeling for the "worst case" pollutant(s):

Pollutant: styrene monomer
TLV (mg/m3): 85
Maximum Hourly Emission Rate (lbs/hr): 1.1 lbs/hour for P001-P016 combined
Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 1286
MAGLC (ug/m3): 2,028

4. 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

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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 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 or the use of new materials, that would result in the emission of a compound or chemical with a lower Threshold Limit Value (TLV) than the lowest TLV previously modeled, as documented in the most current version of the American Conference of Governmental Industrial Hygienists' (ACGIH's) handbook entitled "TLVs and BEIs" ("Threshold Limit Values for Chemical Substances and Physical Agents, Biological Exposure Indices");
 - b. changes in the composition of the materials, or use of new materials, that would result in 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.).
5. 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 solely due to the emissions of any type of toxic air contaminant not previously emitted, and a modification of the existing permit to install will not be required, even if the toxic air contaminant emissions are greater than the de minimis level in OAC rule 3745-15-05. If the change(s) meet(s) the definition of a "modification" under other provisions of the rule, then the permittee shall obtain a final permit to install prior to the change.

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 the 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

Emissions Unit ID: P010

runs that show the results of the application of the "Air Toxic Policy" for the change.

D. Reporting Requirements

1. The permittee shall submit written quarterly deviation (excursion) reports. The quarterly reports shall include:
 - a. an identification of each month during which the monthly VOC/HAP emissions exceeded 128.49 pounds, and the actual monthly VOC/HAP emissions for each such month; and
 - b. an identification of any day the permittee uncovered, unwrapped or exposed more than one charge per mold cycle per compression/injection molding machine.

If no deviations occurred during any such calendar quarter, a report indicating no deviations shall be sent.

E. Testing Requirements

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

- a. Emission Limitation:

VOC/HAP emissions shall not exceed 128.49 pounds per month.

Applicable Compliance Method:

Compliance shall be calculated as the summation of the monthly VOC/HAP emissions for all mold compounds employed. The emissions for each mold compound shall be calculated as follows:

$$\text{lbs VOC/HAP per month} = P \times 2.0\%$$

where:

P = available VOC/HAP, in pounds per month, as recorded in section C.1.d; and
2.0 % = an emission factor based upon AP-24, Table 4.4-2 "Emission Factors for Uncontrolled Polyester Resin Product Fabrication Processes" (02/07).

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b. Emission Limitation:

VOC/HAP emissions shall not exceed 0.77 ton per year.

Applicable Compliance Method:

Compliance shall be demonstrated by the summation of the monthly emissions calculated in section E.1.a for the calendar year and then dividing 2000 lbs/ton.

F. Miscellaneous Requirements

None

Issued: To be entered upon final issuance

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

A. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment - (P011) - Press no. 20, 1000 ton press with changeable molds

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05(C)	Volatile organic compounds/hazardous air pollutants (VOC/HAP) emissions shall not exceed 77.39 pounds per month and 0.46 ton per year. See sections A.2.a, B.1 and B.2.

2. Additional Terms and Conditions

- 2.a The permittee has voluntarily accepted the operational restrictions in sections B.1 and B.2.

B. Operational Restrictions

1. The permittee must uncover, unwrap or expose only one charge per mold cycle per compression/injection molding machine. For machines with multiple molds, one charge means sufficient material to fill all molds per one cycle. For machines with robotic loaders, no more than one charge may be exposed prior to the loader. For machines fed by hoppers, sufficient material may be uncovered to fill the hopper. Hoppers must be closed when not adding materials. Materials may be uncovered to feed to slitting machines. Materials must be recovered after slitting.
2. The permittee shall keep containers that store HAP-containing materials closed or covered except during the addition or removal of materials. Bulk HAP-containing materials storage tanks may be vented as necessary for safety.

C. Monitoring and/or Record keeping Requirements

1. The permittee shall collect and record the following information each month for this emissions unit:
 - a. the company identification for each mold compound employed;
 - b. the number of pounds of each mold compound employed;
 - c. the percent, by weight, of VOC/HAP in each mold compound employed; and
 - d. the available VOC/HAP from each mold compound employed, calculated as $(b \times c)$ for each mold compound employed.

2. The permittee shall conduct daily inspections of this emissions unit and maintain a log of these inspections. The log shall include the compliance status of the work practice standard identified in section B.1 and shall include the following information:
 - a. whether the emissions unit was in operation;
 - b. whether the permittee uncovered, unwrapped or exposed more than one charge per mold cycle per compression/injection molding machine as specified in section B.1; and
 - c. information on the duration and cause of each deviation and the corrective action taken.

3. The permit to install for this emissions unit (P001) was evaluated based on the actual 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 to this emissions unit for each toxic pollutant, using data from the permit to install application, and modeling was performed for the toxic pollutant(s) emitted at over a ton per year using the SCREEN 3.0 model or other Ohio EPA approved model. The predicted 1-hour maximum ground-level concentration result(s) from the use of the SCREEN 3.0 (or other approved) model, was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC), calculated as required in Engineering Guide #70. The following summarizes the results of the modeling for the "worst case" pollutant(s):

Pollutant: styrene monomer
TLV (mg/m3): 85
Maximum Hourly Emission Rate (lbs/hr): 1.1 lbs/hour for P001-P016 combined
Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 1286
MAGLC (ug/m3): 2,028

4. 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

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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 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 or the use of new materials, that would result in the emission of a compound or chemical with a lower Threshold Limit Value (TLV) than the lowest TLV previously modeled, as documented in the most current version of the American Conference of Governmental Industrial Hygienists' (ACGIH's) handbook entitled "TLVs and BEIs" ("Threshold Limit Values for Chemical Substances and Physical Agents, Biological Exposure Indices");
 - b. changes in the composition of the materials, or use of new materials, that would result in 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.).
5. 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 solely due to the emissions of any type of toxic air contaminant not previously emitted, and a modification of the existing permit to install will not be required, even if the toxic air contaminant emissions are greater than the de minimis level in OAC rule 3745-15-05. If the change(s) meet(s) the definition of a "modification" under other provisions of the rule, then the permittee shall obtain a final permit to install prior to the change.

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 the 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

Emissions Unit ID: P011

runs that show the results of the application of the "Air Toxic Policy" for the change.

D. Reporting Requirements

1. The permittee shall submit written quarterly deviation (excursion) reports. The quarterly reports shall include:
 - a. an identification of each month during which the monthly VOC/HAP emissions exceeded 77.39 pounds, and the actual monthly VOC/HAP emissions for each such month; and
 - b. an identification of any day the permittee uncovered, unwrapped or exposed more than one charge per mold cycle per compression/injection molding machine.

If no deviations occurred during any such calendar quarter, a report indicating no deviations shall be sent.

E. Testing Requirements

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

VOC/HAP emissions shall not exceed 77.39 pounds per month.

Applicable Compliance Method:

Compliance shall be calculated as the summation of the monthly VOC/HAP emissions for all mold compounds employed. The emissions for each mold compound shall be calculated as follows:

$$\text{lbs VOC/HAP per month} = P \times 2.0\%$$

where:

P = available VOC/HAP, in pounds per month, as recorded in section C.1.d; and
2.0 % = an emission factor based upon AP-24, Table 4.4-2 "Emission Factors for Uncontrolled Polyester Resin Product Fabrication Processes" (02/07).

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b. Emission Limitation:

VOC/HAP emissions shall not exceed 0.46 ton per year.

Applicable Compliance Method:

Compliance shall be demonstrated by the summation of the monthly emissions calculated in section E.1.a for the calendar year and then dividing 2000 lbs/ton.

F. Miscellaneous Requirements

None

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

Operations, Property, and/or Equipment - (P012) - Press no. 21, 125 ton press with changeable molds

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05(C)	Volatile organic compounds/hazardous air pollutants (VOC/HAP) emissions shall not exceed 51.53 pounds per month and 0.31 ton per year. See sections A.2.a, B.1 and B.2.

2. Additional Terms and Conditions

- 2.a The permittee has voluntarily accepted the operational restrictions in sections B.1 and B.2.

B. Operational Restrictions

1. The permittee must uncover, unwrap or expose only one charge per mold cycle per compression/injection molding machine. For machines with multiple molds, one charge means sufficient material to fill all molds per one cycle. For machines with robotic loaders, no more than one charge may be exposed prior to the loader. For machines fed by hoppers, sufficient material may be uncovered to fill the hopper. Hoppers must be closed when not adding materials. Materials may be uncovered to feed to slitting machines. Materials must be recovered after slitting.
2. The permittee shall keep containers that store HAP-containing materials closed or covered except during the addition or removal of materials. Bulk HAP-containing materials storage tanks may be vented as necessary for safety.

C. Monitoring and/or Record keeping Requirements

1. The permittee shall collect and record the following information each month for this emissions unit:
 - a. the company identification for each mold compound employed;
 - b. the number of pounds of each mold compound employed;
 - c. the percent, by weight, of VOC/HAP in each mold compound employed; and
 - d. the available VOC/HAP from each mold compound employed, calculated as $(b \times c)$ for each mold compound employed.

2. The permittee shall conduct daily inspections of this emissions unit and maintain a log of these inspections. The log shall include the compliance status of the work practice standard identified in section B.1 and shall include the following information:
 - a. whether the emissions unit was in operation;
 - b. whether the permittee uncovered, unwrapped or exposed more than one charge per mold cycle per compression/injection molding machine as specified in section B.1; and
 - c. information on the duration and cause of each deviation and the corrective action taken.

3. The permit to install for this emissions unit (P001) was evaluated based on the actual 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 to this emissions unit for each toxic pollutant, using data from the permit to install application, and modeling was performed for the toxic pollutant(s) emitted at over a ton per year using the SCREEN 3.0 model or other Ohio EPA approved model. The predicted 1-hour maximum ground-level concentration result(s) from the use of the SCREEN 3.0 (or other approved) model, was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC), calculated as required in Engineering Guide #70. The following summarizes the results of the modeling for the "worst case" pollutant(s):

Pollutant: styrene monomer
TLV (mg/m3): 85
Maximum Hourly Emission Rate (lbs/hr): 1.1 lbs/hour for P001-P016 combined
Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 1286
MAGLC (ug/m3): 2,028

4. 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

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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 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 or the use of new materials, that would result in the emission of a compound or chemical with a lower Threshold Limit Value (TLV) than the lowest TLV previously modeled, as documented in the most current version of the American Conference of Governmental Industrial Hygienists' (ACGIH's) handbook entitled "TLVs and BEIs" ("Threshold Limit Values for Chemical Substances and Physical Agents, Biological Exposure Indices");
 - b. changes in the composition of the materials, or use of new materials, that would result in 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.).
5. 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 solely due to the emissions of any type of toxic air contaminant not previously emitted, and a modification of the existing permit to install will not be required, even if the toxic air contaminant emissions are greater than the de minimis level in OAC rule 3745-15-05. If the change(s) meet(s) the definition of a "modification" under other provisions of the rule, then the permittee shall obtain a final permit to install prior to the change.

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 the 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

Emissions Unit ID: P012

runs that show the results of the application of the "Air Toxic Policy" for the change.

D. Reporting Requirements

1. The permittee shall submit written quarterly deviation (excursion) reports. The quarterly reports shall include:
 - a. an identification of each month during which the monthly VOC/HAP emissions exceeded 51.53 pounds, and the actual monthly VOC/HAP emissions for each such month; and
 - b. an identification of any day the permittee uncovered, unwrapped or exposed more than one charge per mold cycle per compression/injection molding machine.

If no deviations occurred during any such calendar quarter, a report indicating no deviations shall be sent.

E. Testing Requirements

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

VOC/HAP emissions shall not exceed 51.53 pounds per month.

Applicable Compliance Method:

Compliance shall be calculated as the summation of the monthly VOC/HAP emissions for all mold compounds employed. The emissions for each mold compound shall be calculated as follows:

$$\text{lbs VOC/HAP per month} = P \times 2.0\%$$

where:

P = available VOC/HAP, in pounds per month, as recorded in section C.1.d; and
2.0 % = an emission factor based upon AP-24, Table 4.4-2 "Emission Factors for Uncontrolled Polyester Resin Product Fabrication Processes" (02/07).

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b. Emission Limitation:

VOC/HAP emissions shall not exceed 0.31 ton per year.

Applicable Compliance Method:

Compliance shall be demonstrated by the summation of the monthly emissions calculated in section E.1.a for the calendar year and then dividing 2000 lbs/ton.

F. Miscellaneous Requirements

None

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

Operations, Property, and/or Equipment - (P013) - Injection mold press no. I-2, 150 ton press with changeable molds

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05(C)	Volatile organic compounds/hazardous air pollutants (VOC/HAP) emissions shall not exceed 154.75 pounds per month and 0.93 ton per year. See sections A.2.a, B.1 and B.2.

2. Additional Terms and Conditions

- 2.a The permittee has voluntarily accepted the operational restrictions in sections B.1 and B.2.

B. Operational Restrictions

1. The permittee must uncover, unwrap or expose only one charge per mold cycle per compression/injection molding machine. For machines with multiple molds, one charge means sufficient material to fill all molds per one cycle. For machines with robotic loaders, no more than one charge may be exposed prior to the loader. For machines fed by hoppers, sufficient material may be uncovered to fill the hopper. Hoppers must be closed when not adding materials. Materials may be uncovered to feed to slitting machines. Materials must be recovered after slitting.
2. The permittee shall keep containers that store HAP-containing materials closed or covered except during the addition or removal of materials. Bulk HAP-containing materials storage tanks may be vented as necessary for safety.

C. Monitoring and/or Record keeping Requirements

1. The permittee shall collect and record the following information each month for this emissions unit:
 - a. the company identification for each mold compound employed;
 - b. the number of pounds of each mold compound employed;
 - c. the percent, by weight, of VOC/HAP in each mold compound employed; and
 - d. the available VOC/HAP from each mold compound employed, calculated as (b x c) for each mold compound employed.

2. The permittee shall conduct daily inspections of this emissions unit and maintain a log of these inspections. The log shall include the compliance status of the work practice standard identified in section B.1 and shall include the following information:
 - a. whether the emissions unit was in operation;
 - b. whether the permittee uncovered, unwrapped or exposed more than one charge per mold cycle per compression/injection molding machine as specified in section B.1; and
 - c. information on the duration and cause of each deviation and the corrective action taken.

3. The permit to install for this emissions unit (P001) was evaluated based on the actual 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 to this emissions unit for each toxic pollutant, using data from the permit to install application, and modeling was performed for the toxic pollutant(s) emitted at over a ton per year using the SCREEN 3.0 model or other Ohio EPA approved model. The predicted 1-hour maximum ground-level concentration result(s) from the use of the SCREEN 3.0 (or other approved) model, was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC), calculated as required in Engineering Guide #70. The following summarizes the results of the modeling for the "worst case" pollutant(s):

Pollutant: styrene monomer
TLV (mg/m3): 85
Maximum Hourly Emission Rate (lbs/hr): 1.1 lbs/hour for P001-P016 combined
Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 1286
MAGLC (ug/m3): 2,028

4. 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

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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 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 or the use of new materials, that would result in the emission of a compound or chemical with a lower Threshold Limit Value (TLV) than the lowest TLV previously modeled, as documented in the most current version of the American Conference of Governmental Industrial Hygienists' (ACGIH's) handbook entitled "TLVs and BEIs" ("Threshold Limit Values for Chemical Substances and Physical Agents, Biological Exposure Indices");
 - b. changes in the composition of the materials, or use of new materials, that would result in 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.).
5. 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 solely due to the emissions of any type of toxic air contaminant not previously emitted, and a modification of the existing permit to install will not be required, even if the toxic air contaminant emissions are greater than the de minimis level in OAC rule 3745-15-05. If the change(s) meet(s) the definition of a "modification" under other provisions of the rule, then the permittee shall obtain a final permit to install prior to the change.

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 the 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

Emissions Unit ID: P013

runs that show the results of the application of the "Air Toxic Policy" for the change.

D. Reporting Requirements

1. The permittee shall submit written quarterly deviation (excursion) reports. The quarterly reports shall include:
 - a. an identification of each month during which the monthly VOC/HAP emissions exceeded 154.75 pounds, and the actual monthly VOC/HAP emissions for each such month; and
 - b. an identification of any day the permittee uncovered, unwrapped or exposed more than one charge per mold cycle per compression/injection molding machine.

If no deviations occurred during any such calendar quarter, a report indicating no deviations shall be sent.

E. Testing Requirements

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

VOC/HAP emissions shall not exceed 154.75 pounds per month.

Applicable Compliance Method:

Compliance shall be calculated as the summation of the monthly VOC/HAP emissions for all mold compounds employed. The emissions for each mold compound shall be calculated as follows:

$$\text{lbs VOC/HAP per month} = P \times 2.0\%$$

where:

P = available VOC/HAP, in pounds per month, as recorded in section C.1.d; and
2.0 % = an emission factor based upon AP-24, Table 4.4-2 "Emission Factors for Uncontrolled Polyester Resin Product Fabrication Processes" (02/07).

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b. Emission Limitation:

VOC/HAP emissions shall not exceed 0.93 ton per year.

Applicable Compliance Method:

Compliance shall be demonstrated by the summation of the monthly emissions calculated in section E.1.a for the calendar year and then dividing 2000 lbs/ton.

F. Miscellaneous Requirements

None

Issued: To be entered upon final issuance

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

A. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment - (P014) - Injection mold press no. I-3, 250 ton press with changeable molds

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05(C)	Volatile organic compounds/hazardous air pollutants (VOC/HAP) emissions shall not exceed 38.69 pounds per month and 0.23 ton per year. See sections A.2.a, B.1 and B.2.

2. Additional Terms and Conditions

- 2.a The permittee has voluntarily accepted the operational restrictions in sections B.1 and B.2.

B. Operational Restrictions

1. The permittee must uncover, unwrap or expose only one charge per mold cycle per compression/injection molding machine. For machines with multiple molds, one charge means sufficient material to fill all molds per one cycle. For machines with robotic loaders, no more than one charge may be exposed prior to the loader. For machines fed by hoppers, sufficient material may be uncovered to fill the hopper. Hoppers must be closed when not adding materials. Materials may be uncovered to feed to slitting machines. Materials must be recovered after slitting.
2. The permittee shall keep containers that store HAP-containing materials closed or covered except during the addition or removal of materials. Bulk HAP-containing materials storage tanks may be vented as necessary for safety.

C. Monitoring and/or Record keeping Requirements

1. The permittee shall collect and record the following information each month for this emissions unit:
 - a. the company identification for each mold compound employed;
 - b. the number of pounds of each mold compound employed;
 - c. the percent, by weight, of VOC/HAP in each mold compound employed; and
 - d. the available VOC/HAP from each mold compound employed, calculated as $(b \times c)$ for each mold compound employed.

2. The permittee shall conduct daily inspections of this emissions unit and maintain a log of these inspections. The log shall include the compliance status of the work practice standard identified in section B.1 and shall include the following information:
 - a. whether the emissions unit was in operation;
 - b. whether the permittee uncovered, unwrapped or exposed more than one charge per mold cycle per compression/injection molding machine as specified in section B.1; and
 - c. information on the duration and cause of each deviation and the corrective action taken.

3. The permit to install for this emissions unit (P001) was evaluated based on the actual 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 to this emissions unit for each toxic pollutant, using data from the permit to install application, and modeling was performed for the toxic pollutant(s) emitted at over a ton per year using the SCREEN 3.0 model or other Ohio EPA approved model. The predicted 1-hour maximum ground-level concentration result(s) from the use of the SCREEN 3.0 (or other approved) model, was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC), calculated as required in Engineering Guide #70. The following summarizes the results of the modeling for the "worst case" pollutant(s):

Pollutant: styrene monomer
TLV (mg/m³): 85
Maximum Hourly Emission Rate (lbs/hr): 1.1 lbs/hour for P001-P016 combined
Predicted 1-Hour Maximum Ground-Level Concentration (ug/m³): 1286
MAGLC (ug/m³): 2,028

4. 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

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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 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 or the use of new materials, that would result in the emission of a compound or chemical with a lower Threshold Limit Value (TLV) than the lowest TLV previously modeled, as documented in the most current version of the American Conference of Governmental Industrial Hygienists' (ACGIH's) handbook entitled "TLVs and BEIs" ("Threshold Limit Values for Chemical Substances and Physical Agents, Biological Exposure Indices");
 - b. changes in the composition of the materials, or use of new materials, that would result in 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.).
5. 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 solely due to the emissions of any type of toxic air contaminant not previously emitted, and a modification of the existing permit to install will not be required, even if the toxic air contaminant emissions are greater than the de minimis level in OAC rule 3745-15-05. If the change(s) meet(s) the definition of a "modification" under other provisions of the rule, then the permittee shall obtain a final permit to install prior to the change.

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 the 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

Emissions Unit ID: P014

runs that show the results of the application of the "Air Toxic Policy" for the change.

D. Reporting Requirements

1. The permittee shall submit written quarterly deviation (excursion) reports. The quarterly reports shall include:
 - a. an identification of each month during which the monthly VOC/HAP emissions exceeded 38.69 pounds, and the actual monthly VOC/HAP emissions for each such month; and
 - b. an identification of any day the permittee uncovered, unwrapped or exposed more than one charge per mold cycle per compression/injection molding machine.

If no deviations occurred during any such calendar quarter, a report indicating no deviations shall be sent.

E. Testing Requirements

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

VOC/HAP emissions shall not exceed 38.69 pounds per month.

Applicable Compliance Method:

Compliance shall be calculated as the summation of the monthly VOC/HAP emissions for all mold compounds employed. The emissions for each mold compound shall be calculated as follows:

$$\text{lbs VOC/HAP per month} = P \times 2.0\%$$

where:

P = available VOC/HAP, in pounds per month, as recorded in section C.1.d; and
2.0 % = an emission factor based upon AP-24, Table 4.4-2 "Emission Factors for Uncontrolled Polyester Resin Product Fabrication Processes" (02/07).

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b. Emission Limitation:

VOC/HAP emissions shall not exceed 0.23 ton per year.

Applicable Compliance Method:

Compliance shall be demonstrated by the summation of the monthly emissions calculated in section E.1.a for the calendar year and then dividing 2000 lbs/ton.

F. Miscellaneous Requirements

None

Issued: To be entered upon final issuance

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

A. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment - (P015) - Injection mold press no. I-4, 250 ton press with changeable molds

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05(C)	Volatile organic compounds/hazardous air pollutants (VOC/HAP) emissions shall not exceed 38.69 pounds per month and 0.23 ton per year. See sections A.2.a, B.1 and B.2.

2. Additional Terms and Conditions

- 2.a The permittee has voluntarily accepted the operational restrictions in sections B.1 and B.2.

B. Operational Restrictions

1. The permittee must uncover, unwrap or expose only one charge per mold cycle per compression/injection molding machine. For machines with multiple molds, one charge means sufficient material to fill all molds per one cycle. For machines with robotic loaders, no more than one charge may be exposed prior to the loader. For machines fed by hoppers, sufficient material may be uncovered to fill the hopper. Hoppers must be closed when not adding materials. Materials may be uncovered to feed to slitting machines. Materials must be recovered after slitting.
2. The permittee shall keep containers that store HAP-containing materials closed or covered except during the addition or removal of materials. Bulk HAP-containing materials storage tanks may be vented as necessary for safety.

C. Monitoring and/or Record keeping Requirements

1. The permittee shall collect and record the following information each month for this emissions unit:
 - a. the company identification for each mold compound employed;
 - b. the number of pounds of each mold compound employed;
 - c. the percent, by weight, of VOC/HAP in each mold compound employed; and
 - d. the available VOC/HAP from each mold compound employed, calculated as $(b \times c)$ for each mold compound employed.

2. The permittee shall conduct daily inspections of this emissions unit and maintain a log of these inspections. The log shall include the compliance status of the work practice standard identified in section B.1 and shall include the following information:
 - a. whether the emissions unit was in operation;
 - b. whether the permittee uncovered, unwrapped or exposed more than one charge per mold cycle per compression/injection molding machine as specified in section B.1; and
 - c. information on the duration and cause of each deviation and the corrective action taken.

3. The permit to install for this emissions unit (P001) was evaluated based on the actual 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 to this emissions unit for each toxic pollutant, using data from the permit to install application, and modeling was performed for the toxic pollutant(s) emitted at over a ton per year using the SCREEN 3.0 model or other Ohio EPA approved model. The predicted 1-hour maximum ground-level concentration result(s) from the use of the SCREEN 3.0 (or other approved) model, was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC), calculated as required in Engineering Guide #70. The following summarizes the results of the modeling for the "worst case" pollutant(s):

Pollutant: styrene monomer
TLV (mg/m3): 85
Maximum Hourly Emission Rate (lbs/hr): 1.1 lbs/hour for P001-P016 combined
Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 1286
MAGLC (ug/m3): 2,028

4. 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

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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 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 or the use of new materials, that would result in the emission of a compound or chemical with a lower Threshold Limit Value (TLV) than the lowest TLV previously modeled, as documented in the most current version of the American Conference of Governmental Industrial Hygienists' (ACGIH's) handbook entitled "TLVs and BEIs" ("Threshold Limit Values for Chemical Substances and Physical Agents, Biological Exposure Indices");
 - b. changes in the composition of the materials, or use of new materials, that would result in 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.).
5. 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 solely due to the emissions of any type of toxic air contaminant not previously emitted, and a modification of the existing permit to install will not be required, even if the toxic air contaminant emissions are greater than the de minimis level in OAC rule 3745-15-05. If the change(s) meet(s) the definition of a "modification" under other provisions of the rule, then the permittee shall obtain a final permit to install prior to the change.

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 the 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

Emissions Unit ID: P015

runs that show the results of the application of the "Air Toxic Policy" for the change.

D. Reporting Requirements

1. The permittee shall submit written quarterly deviation (excursion) reports. The quarterly reports shall include:
 - a. an identification of each month during which the monthly VOC/HAP emissions exceeded 38.69 pounds, and the actual monthly VOC/HAP emissions for each such month; and
 - b. an identification of any day the permittee uncovered, unwrapped or exposed more than one charge per mold cycle per compression/injection molding machine.

If no deviations occurred during any such calendar quarter, a report indicating no deviations shall be sent.

E. Testing Requirements

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

VOC/HAP emissions shall not exceed 38.69 pounds per month.

Applicable Compliance Method:

Compliance shall be calculated as the summation of the monthly VOC/HAP emissions for all mold compounds employed. The emissions for each mold compound shall be calculated as follows:

$$\text{lbs VOC/HAP per month} = P \times 2.0\%$$

where:

P = available VOC/HAP, in pounds per month, as recorded in section C.1.d; and
2.0 % = an emission factor based upon AP-24, Table 4.4-2 "Emission Factors for Uncontrolled Polyester Resin Product Fabrication Processes" (02/07).

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b. Emission Limitation:

VOC/HAP emissions shall not exceed 0.23 ton per year.

Applicable Compliance Method:

Compliance shall be demonstrated by the summation of the monthly emissions calculated in section E.1.a for the calendar year and then dividing 2000 lbs/ton.

F. Miscellaneous Requirements

None

Issued: To be entered upon final issuance

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

A. Applicable Emissions Limitations and/or Control Requirements

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

Operations, Property, and/or Equipment - (P016) - Injection mold press no. I-5, 300 ton press with changeable molds

Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
OAC rule 3745-31-05(C)	Volatile organic compounds/hazardous air pollutants (VOC/HAP) emissions shall not exceed 51.84 pounds per month and 0.31 ton per year. See sections A.2.a, B.1 and B.2.

2. Additional Terms and Conditions

- 2.a The permittee has voluntarily accepted the operational restrictions in sections B.1 and B.2.

B. Operational Restrictions

1. The permittee must uncover, unwrap or expose only one charge per mold cycle per compression/injection molding machine. For machines with multiple molds, one charge means sufficient material to fill all molds per one cycle. For machines with robotic loaders, no more than one charge may be exposed prior to the loader. For machines fed by hoppers, sufficient material may be uncovered to fill the hopper. Hoppers must be closed when not adding materials. Materials may be uncovered to feed to slitting machines. Materials must be recovered after slitting.
2. The permittee shall keep containers that store HAP-containing materials closed or covered except during the addition or removal of materials. Bulk HAP-containing materials storage tanks may be vented as necessary for safety.

C. Monitoring and/or Record keeping Requirements

1. The permittee shall collect and record the following information each month for this emissions unit:
 - a. the company identification for each mold compound employed;
 - b. the number of pounds of each mold compound employed;
 - c. the percent, by weight, of VOC/HAP in each mold compound employed; and
 - d. the available VOC/HAP from each mold compound employed, calculated as $(b \times c)$ for each mold compound employed.

2. The permittee shall conduct daily inspections of this emissions unit and maintain a log of these inspections. The log shall include the compliance status of the work practice standard identified in section B.1 and shall include the following information:
 - a. whether the emissions unit was in operation;
 - b. whether the permittee uncovered, unwrapped or exposed more than one charge per mold cycle per compression/injection molding machine as specified in section B.1; and
 - c. information on the duration and cause of each deviation and the corrective action taken.

3. The permit to install for this emissions unit (P001) was evaluated based on the actual 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 to this emissions unit for each toxic pollutant, using data from the permit to install application, and modeling was performed for the toxic pollutant(s) emitted at over a ton per year using the SCREEN 3.0 model or other Ohio EPA approved model. The predicted 1-hour maximum ground-level concentration result(s) from the use of the SCREEN 3.0 (or other approved) model, was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC), calculated as required in Engineering Guide #70. The following summarizes the results of the modeling for the "worst case" pollutant(s):

Pollutant: styrene monomer
TLV (mg/m3): 85
Maximum Hourly Emission Rate (lbs/hr): 1.1 lbs/hour for P001-P016 combined
Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 1286
MAGLC (ug/m3): 2,028

4. 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

Issued: To be entered upon final issuance

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 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 or the use of new materials, that would result in the emission of a compound or chemical with a lower Threshold Limit Value (TLV) than the lowest TLV previously modeled, as documented in the most current version of the American Conference of Governmental Industrial Hygienists' (ACGIH's) handbook entitled "TLVs and BEIs" ("Threshold Limit Values for Chemical Substances and Physical Agents, Biological Exposure Indices");
 - b. changes in the composition of the materials, or use of new materials, that would result in 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.).
5. 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 solely due to the emissions of any type of toxic air contaminant not previously emitted, and a modification of the existing permit to install will not be required, even if the toxic air contaminant emissions are greater than the de minimis level in OAC rule 3745-15-05. If the change(s) meet(s) the definition of a "modification" under other provisions of the rule, then the permittee shall obtain a final permit to install prior to the change.

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 the 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

Emissions Unit ID: P016

runs that show the results of the application of the "Air Toxic Policy" for the change.

D. Reporting Requirements

1. The permittee shall submit written quarterly deviation (excursion) reports. The quarterly reports shall include:
 - a. an identification of each month during which the monthly VOC/HAP emissions exceeded 51.84 pounds, and the actual monthly VOC/HAP emissions for each such month; and
 - b. an identification of any day the permittee uncovered, unwrapped or exposed more than one charge per mold cycle per compression/injection molding machine.

If no deviations occurred during any such calendar quarter, a report indicating no deviations shall be sent.

E. Testing Requirements

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

VOC/HAP emissions shall not exceed 51.84 pounds per month.

Applicable Compliance Method:

Compliance shall be calculated as the summation of the monthly VOC/HAP emissions for all mold compounds employed. The emissions for each mold compound shall be calculated as follows:

$$\text{lbs VOC/HAP per month} = P \times 2.0\%$$

where:

P = available VOC/HAP, in pounds per month, as recorded in section C.1.d; and
2.0 % = an emission factor based upon AP-24, Table 4.4-2 "Emission Factors for Uncontrolled Polyester Resin Product Fabrication Processes" (02/07).

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b. Emission Limitation:

VOC/HAP emissions shall not exceed 0.31 ton per year.

Applicable Compliance Method:

Compliance shall be demonstrated by the summation of the monthly emissions calculated in section E.1.a for the calendar year and then dividing 2000 lbs/ton.

F. Miscellaneous Requirements

None

GMR Technologies, Inc.
 PTI Application: 02-22463
 Issued: To be entered upon final issuance

Facility ID: 0204010490

Emissions Unit ID: P016

SIC CODE 3089 SCC CODE 3-01-01-837 EMISSIONS UNIT ID P001
 EMISSIONS UNIT DESCRIPTION Press no.4, 100 ton press with changeable molds
 DATE INSTALLED 01/2006

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	nonattainment	6.44 lbs/month	0.04	6.44 lbs/month	0.04
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. BAT is PTE after implementing work practice standards taken from MACT.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? Yes
 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*? X YES _____ NO _____

IDENTIFY THE AIR CONTAMINANTS: styrene

GMR Technologies, Inc.
 PTI Application: 02-22463
 Issued: To be entered upon final issuance

Facility ID: 0204010490

Emissions Unit ID: P016

SIC CODE 3089 SCC CODE 3-01-01-837 EMISSIONS UNIT ID P002
 EMISSIONS UNIT DESCRIPTION Press no 5, 100 ton press with changeable molds
 DATE INSTALLED 01/2006

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	nonattainment	12.88 lbs/month	0.08	12.88 lbs/month	0.08
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. BAT is PTE after implementing work practice standards taken from MACT.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? Yes

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*? X YES _____ NO _____

IDENTIFY THE AIR CONTAMINANTS: styrene

GMR Technologies, Inc.
 PTI Application: 02-22463
 Issued: To be entered upon final issuance

Facility ID: 0204010490

Emissions Unit ID: P016

SIC CODE 3089 SCC CODE 3-01-01-837 EMISSIONS UNIT ID P003
 EMISSIONS UNIT DESCRIPTION Press no 6, 100 ton press with changeable molds
 DATE INSTALLED 01/2006

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	nonattainment	12.88 lbs/month	0.08	12.88 lbs/month	0.08
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. BAT is PTE after implementing work practice standards taken from MACT.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? yes
 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*? X YES _____ NO _____

IDENTIFY THE AIR CONTAMINANTS: styrene

GMR Technologies, Inc.
 PTI Application: 02-22463
 Issued: To be entered upon final issuance

Facility ID: 0204010490

Emissions Unit ID: P016

SIC CODE 3089 SCC CODE 3-01-01-837 EMISSIONS UNIT ID P004
 EMISSIONS UNIT DESCRIPTION Press no 9, 300 ton press with changeable molds
 DATE INSTALLED 01/2006

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	nonattainment	51.53 lbs/month	0.31	51.53 lbs/month	0.31
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. BAT is PTE after implementing work practice standards taken from MACT.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? Yes

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*? X YES _____ NO _____

IDENTIFY THE AIR CONTAMINANTS: styrene

Emissions Unit ID: **P016**

Issued: To be entered upon final issuance

SIC CODE 3089 SCC CODE 3-01-01-837 EMISSIONS UNIT ID P005
 EMISSIONS UNIT DESCRIPTION Press no 11, 300 ton press with changeable molds
 DATE INSTALLED 01/2006

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	nonattainment	22.63 lbs/month	0.14	22.63 lbs/month	0.14
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. BAT is PTE after implementing work practice standards taken from MACT.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? Yes

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*? X YES NO

IDENTIFY THE AIR CONTAMINANTS: styrene

GMR Technologies, Inc.
 PTI Application: 02-22463
 Issued: To be entered upon final issuance

Facility ID: 0204010490

Emissions Unit ID: P016

SIC CODE 3089 SCC CODE 3-01-01-837 EMISSIONS UNIT ID P006
 EMISSIONS UNIT DESCRIPTION Press no 14, 300 ton press with changeable molds
 DATE INSTALLED 01/2006

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	nonattainment	25.78 lbs/month	0.16	25.78 lbs/month	0.16
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. BAT is PTE after implementing work practice standards taken from MACT.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? Yes
 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*? X YES _____ NO _____

IDENTIFY THE AIR CONTAMINANTS: styrene

GMR Technologies, Inc.
 PTI Application: 02-22463
 Issued: To be entered upon final issuance

Facility ID: 0204010490

Emissions Unit ID: P016

SIC CODE 3089 SCC CODE 3-01-01-837 EMISSIONS UNIT ID P007
 EMISSIONS UNIT DESCRIPTION Press no 15, 75 ton press with changeable molds
 DATE INSTALLED 01/2006

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	nonattainment	12.92 lbs/month	0.08	12.92 lbs/month	0.08
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. BAT is PTE after implementing work practice standards taken from MACT.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? Yes
 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*? X YES _____ NO _____

IDENTIFY THE AIR CONTAMINANTS: styrene

Emissions Unit ID: **P016**

Issued: To be entered upon final issuance

SIC CODE 3089 SCC CODE 3-01-01-837 EMISSIONS UNIT ID P008
 EMISSIONS UNIT DESCRIPTION Press no 16, 250 ton press with changeable molds
 DATE INSTALLED 01/2006

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	nonattainment	51.84 lbs/month	0.31	51.84 lbs/month	0.31
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. BAT is PTE after implementing work practice standards taken from MACT.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? Yes

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*? X YES NO

IDENTIFY THE AIR CONTAMINANTS: styrene

GMR Technologies, Inc.
 PTI Application: 02-22463
 Issued: To be entered upon final issuance

Facility ID: 0204010490

Emissions Unit ID: P016

SIC CODE 3089 SCC CODE 3-01-01-837 EMISSIONS UNIT ID P009
 EMISSIONS UNIT DESCRIPTION Press no 18, 500 ton press with changeable molds
 DATE INSTALLED 01/2006

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	nonattainment	51.84 lbs/month	0.31	51.84 lbs/month	0.31
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. BAT is PTE after implementing work practice standards taken from MACT.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? Yes
 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*? X YES _____ NO _____

IDENTIFY THE AIR CONTAMINANTS: styrene

Emissions Unit ID: **P016**

Issued: To be entered upon final issuance

SIC CODE 3089 SCC CODE 3-01-01-837 EMISSIONS UNIT ID P010
 EMISSIONS UNIT DESCRIPTION Press no 19, 500 ton press with changeable molds
 DATE INSTALLED 01/2006

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	nonattainment	128.49 lbs/month	0.77	128.49 lbs/month	0.77
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. BAT is PTE after implementing work practice standards taken from MACT.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? Yes

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*? X YES NO

IDENTIFY THE AIR CONTAMINANTS: styrene

GMR Technologies, Inc.
 PTI Application: 02-22463
 Issued: To be entered upon final issuance

Facility ID: 0204010490

Emissions Unit ID: P016

SIC CODE 3089 SCC CODE 3-01-01-837 EMISSIONS UNIT ID P011
 EMISSIONS UNIT DESCRIPTION Press no 20, 1000 ton press with changeable molds
 DATE INSTALLED 01/2006

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	nonattainment	77.39 lbs/month	0.46	77.39 lbs/month	0.46
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. BAT is PTE after implementing work practice standards taken from MACT.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? Yes

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*? X YES _____ NO _____

IDENTIFY THE AIR CONTAMINANTS: styrene

GMR Technologies, Inc.
 PTI Application: 02-22463
 Issued: To be entered upon final issuance

Facility ID: 0204010490

Emissions Unit ID: P016

SIC CODE 3089 SCC CODE 3-01-01-837 EMISSIONS UNIT ID P012
 EMISSIONS UNIT DESCRIPTION Press no 21, 125 ton press with changeable molds
 DATE INSTALLED 01/2006

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	nonattainment	51.53 lbs/month	0.31	51.53 lbs/month	0.31
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. BAT is PTE after implementing work practice standards taken from MACT.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? Yes
 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*? X YES _____ NO _____

IDENTIFY THE AIR CONTAMINANTS: styrene

Emissions Unit ID: **P016**

Issued: To be entered upon final issuance

SIC CODE 3089 SCC CODE 3-01-01-837 EMISSIONS UNIT ID P013
 EMISSIONS UNIT DESCRIPTION Injection mold press no I-2, 150 ton press with changeable molds
 DATE INSTALLED 01/2006

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	nonattainment	154.75 lbs/month	0.93	154.75 lbs/month	0.93
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. BAT is PTE after implementing work practice standards taken from MACT.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? Yes

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*? X YES NO

IDENTIFY THE AIR CONTAMINANTS: styrene

GMR Technologies, Inc.
 PTI Application: 02-22463
 Issued: To be entered upon final issuance

Facility ID: 0204010490

Emissions Unit ID: P016

SIC CODE 3089 SCC CODE 3-01-01-837 EMISSIONS UNIT ID P014
 EMISSIONS UNIT DESCRIPTION Injection mold press no l-3, 250 ton press with changeable molds
 DATE INSTALLED 01/2006

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	nonattainment	38.69 lbs/month	0.23	38.69 lbs/month	0.23
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. BAT is PTE after implementing work practice standards taken from MACT.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? Yes

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*? S YES _____ NO

IDENTIFY THE AIR CONTAMINANTS: styrene

Emissions Unit ID: **P016**

Issued: To be entered upon final issuance

SIC CODE 3089 SCC CODE 3-01-01-837 EMISSIONS UNIT ID P015
 EMISSIONS UNIT DESCRIPTION Injection mold press no I-4, 250 ton press with changeable molds
 DATE INSTALLED 01/2006

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	nonattainment	38.69 lbs/month	0.23	38.69 lbs/month	0.23
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. BAT is PTE after implementing work practice standards taken from MACT.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? Yes

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*? X YES NO

IDENTIFY THE AIR CONTAMINANTS: styrene

GMR Technologies, Inc.
PTI Application: 02-22463
Issued: To be entered upon final issuance

Facility ID: 0204010490

Emissions Unit ID: **P016**

SIC CODE 3089 SCC CODE 3-01-01-837 EMISSIONS UNIT ID P016
 EMISSIONS UNIT DESCRIPTION Injection mold press no I-5, 300 ton press with changeable molds
 DATE INSTALLED 01/2006

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	nonattainment	51.84 lbs/month	0.31	51.84 lbs/month	0.31
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. BAT is PTE after implementing work practice standards taken from MACT.

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? Yes
 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*? X YES _____ NO _____

IDENTIFY THE AIR CONTAMINANTS: styrene