

Facility ID: 0204000133 Issuance type: Title V Preliminary Proposed Permit

This version of facility specific terms and conditions was converted from a database format to an HTML file during an upgrade of the Ohio EPA, Division of Air Pollution Control's permitting software. Every attempt has been made to convert the terms and conditions to look and substantively conform to the permit issued or being drafted in STARS. However, the format of the terms may vary slightly from the original. In addition, although it is not expected, there is a slight possibility that a term and condition may have been inadvertently "left out" of this reproduction during the conversion process. Therefore, if this version is to be used as a starting point in drafting a new version of a permit, it is imperative that the entire set of terms and conditions be reviewed to ensure they substantively mimic the issued permit. The official version of any permit issued final by Ohio EPA is kept in the Agency's Legal section. The Legal section may be contacted at (614) 644-3037.

In addition to the terms and conditions, hyperlinks have been inserted into the document so you may more readily access the section of the document you wish to review.

Finally, the term language under "Part III" and before "I. Applicable Emissions Limitations..." has been added to aid in document conversion, and was not part of the original issued permit.

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Part II - Specific Facility Terms and Conditions

a State and Federally Enforceable Section

1. None

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b State Only Enforceable Section

1. The following insignificant emissions units are located at this facility:

B001 - 1.35 million Btu/hr gas-fired boiler
N001 - Bake-off oven for paint racks
P004 - Automatic parts washer for painted parts
P006 - Parts grinder for finishing area
P009 - Fume hood in quality assurance laboratory
P070 - Mix tank washer
T001 - 10,000-gallon storage tank for polyester resin/styrene; Tank 1
T002 - 10,000-gallon storage tank for polyester resin/styrene; Tank 2
T003 - 10,000-gallon storage tank for polyester resin/styrene; Tank 3
T004 - 6,000-gallon storage tank for polyester resin/polystyrene; Tank 4
T005 - 6,000-gallon storage tank for vinylester/styrene; Tank 5
T006 - 6,000-gallon storage tank for polyester resin/styrene; Tank 6
T007 - 6,000-gallon storage tank for polymer solution/styrene; Tank 7
T008 - 6,000-gallon storage tank for polyester resin/styrene; Tank 11
T009 - 6,000-gallon storage tank for styrene/isocyanurate vinylester/polyether polyol resin; Tank 12
T010 - 6,000-gallon storage tank for vinylester resin/styrene; Tank 13
T011 - 6,000-gallon storage tank for polyester resin/styrene; Tank 14
T012 - 10,000-gallon storage tank for polyester resin/styrene; Tank 15
Z001 - 10,000-gallon storage tank for vinyl toluene resin; Tank 16
Z002 - 10,000-gallon storage tank for styrene; Tank 17
Z009 - (BMC) Bagging station 1
Z010 - (BMC) Bagging station 2
Z011 - (BMC) Bagging station 3
Z054 - Pilot plant extruder

Each insignificant emissions unit at this facility must comply with all State and federal regulations, as well as any emissions limitations and/or control requirements contained within a Permit to Install for the emissions unit.

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 0204000133 Emissions Unit ID: P002 Issuance type: Title V Preliminary Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. 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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Drying oven for coated plastic parts	OAC rule 3745-21-07(G)(1) OAC rule 3745-31-05(A)(3) PTI 02-1323	See section A.I.2.a. below. (No limits stated in PTI 02-1323.)

2. Additional Terms and Conditions

- a. This emissions unit is exempt from the organic compound (OC) emission limitations specified in OAC rule 3745-21-07(G)(1) because the coatings are not baked, heat-cured, or heat-polymerized.

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II. Operational Restrictions

- 1. None

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III. Monitoring and/or Record Keeping Requirements

- 1. None

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IV. Reporting Requirements

- 1. None

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V. Testing Requirements

- 1. None

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VI. Miscellaneous Requirements

- 1. None

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Facility ID: 0204000133 Emissions Unit ID: P002 Issuance type: Title V Preliminary Proposed Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. 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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

	<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
2. Additional Terms and Conditions			
1.	None		

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II. Operational Restrictions

1. None

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III. Monitoring and/or Record Keeping Requirements

1. None

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IV. Reporting Requirements

1. None

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V. Testing Requirements

1. None

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VI. Miscellaneous Requirements

1. None

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 0204000133 Emissions Unit ID: P010 Issuance type: Title V Preliminary Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. 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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Thermoplastic additive disperser C-0	OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8 lbs/hr and 40 lbs/day, excluding emissions from cleanup materials. See sections A.I.2.a., A.I.2.b. and A.I.2.c. below.
	OAC rule 3745-31-05(D) PTI 02-11793	See section A.I.2.d. below.
	OAC rule 3745-31-05(A)(3) PTI 02-11793	Organic compound (OC) emissions shall not exceed 15 lbs/day, excluding emissions from the cleanup materials. OC emissions shall not exceed 18 lbs/day and 3.29 tons/year, including emissions from the cleanup materials.

2. Additional Terms and Conditions

- a. The daily emission limit specified in this rule is less stringent than the daily limit established pursuant to OAC rule 3745-31-05(A)(3).
- b. The emissions of organic materials from the production operation consist of styrene, a photochemically reactive material as defined in OAC rule 3745-21-01(C)(5).
- c. Only nonphotochemically reactive cleanup materials shall be employed.
- d. The combined VOC emissions from P010 - P018, P021 - P059, and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (This limitation is equivalent to the daily styrene throughput restriction.)

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II. Operational Restrictions

1. The maximum styrene throughput for this emissions unit shall not exceed 51,400 lbs/day.

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information for each day for this emissions unit:
 - a. The company identification for each production material and each cleanup material employed.
 - b. An identification of whether or not each cleanup material employed is a photochemically reactive material.
 - c. The weight of each production material employed, in pounds.
 - d. The styrene content of each production material employed, in percent by weight.
 - e. The styrene throughput of all production materials, in pounds.
 - f. The total organic compound emission rate for all production materials, in pounds.
 - g. The actual number of hours that the emissions unit was in operation.
 - h. The average hourly organic compound emission rate for all production materials, i.e., (f) divided by (g), in pounds per hour (average).
 - i. The weight of each cleanup material dispensed, in pounds.
 - j. The weight of each cleanup material returned, in pounds.
 - k. The total organic compound emission rate for all cleanup materials, in pounds.

- I. The total organic compound emission rate for all production materials and all cleanup materials, in pounds per day.
2. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
 - a. An identification of each day during which the average hourly OC emissions from the production materials exceeded 8 pounds per hour, and the actual average hourly OC emissions for each such day.
 - b. An identification of each day during which the OC emissions from the production materials exceeded 15 pounds per day, and the actual OC emissions for each such day.
 - c. An identification of each day during which the OC emissions from the production materials and the cleanup materials exceeded 18 pounds per day, and the actual OC emissions for each such day.
 - d. An identification of each day during which any photochemically reactive cleanup materials were employed.
 - e. An identification of each day during which the styrene throughput exceeded 51,400 pounds per day, and the actual styrene throughput for each such day.
 - f. An identification of each month during which the rolling, 12-month VOC emissions from emission units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.
2. The permittee shall submit annual reports which specify the total OC emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year.
3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 of each year.

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V. Testing Requirements

1. Compliance with the allowable emission limitations in section A.I.1. of these terms and conditions shall be determined in accordance with the following methods:
 - a. Emission Limitation: 183.53 TPY VOC, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.
 - b. Emission Limitation: 8 lbs OC/hr, excluding emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.1.h. If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Method 18, 25 or 25A, as appropriate.
 - c. Emission Limitation: 15 lbs OC/day, excluding emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be determined based upon the following:

 - i. Determination of available styrene in the production materials:

$$AS(\text{lbs/day}) = \text{Summation of } (P_i \times SC_i).$$

where:
 AS(lbs/day) = the available styrene, also the styrene throughput, in pounds per day.
 P_i = the production rate of material i, in pounds per day.
 SC_i = the styrene content of material i, in pounds of available styrene per pound of production material.
 - ii. Determination of organic compound emissions from production operations:

$$ES(\text{lbs/day}) = AS \times EF.$$

where:
 ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day.

EF = emission factor for styrene emissions from the dispersers, which is 0.000292 pounds per pound of available styrene, as determined from emissions testing for P012, conducted on June 11, 1998.

- d. Emission Limitation: 18 lbs OC/day, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be determined based upon the following:

- i. Determination of daily emissions from cleanup operations, EC(lbs/day), shall be made in accordance with the following method(s):

$$EC(lbs/day) = \text{Summation of } [(WC/OUT - WC/IN)_i]$$

where:

EC(lbs/day) = the organic compound emissions from cleanup operations, in pounds per day.

WC/OUT_i = weight of cleanup material i dispensed to work stations, in pounds per day.

WC/IN_i = weight of cleanup material i returned to solvent dispensing area, in pounds per day.

- ii. Determination of daily emissions from all operations, EOC(lbs/day), shall be determined in accordance with the following method(s):

$$EOC(lbs/day) = ES(lbs/day) + EC(lbs/day)$$

where:

ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day, as specified in section A.V.1.c.

- e. Emission Limitation: 3.29 TPY OC, including emissions from cleanup materials

Applicable Compliance Method: To determine annual OC emissions from all materials, compliance shall be based on the sum of the daily OC emission rates from production materials and cleanup materials, EOC(lbs/day), as specified in section A.V.1.d. of this permit for the calendar year, divided by 2000 pounds/ton.

- 2. Any determination of organic compound content (percent by weight), solids content, or density of a material shall be based on the material as employed, including the addition of any thinner or viscosity reducer to the material. The permittee shall determine the composition of the material by formulation data supplied by the manufacturer or from data determined by an analysis of each material, as received, by U.S. EPA Reference Method 24 as referenced in 40 CFR Part 60, Appendix A. If formulation data is employed, the Ohio EPA may require the permittee to have a Reference Method 24 analysis or an equivalent, alternative method (as approved by Ohio EPA) performed on the material(s).

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 0204000133 Emissions Unit ID: P010 Issuance type: Title V Preliminary Proposed Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. **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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
2. Additional Terms and Conditions		

- 1. None

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II. Operational Restrictions

- 1. None

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III. Monitoring and/or Record Keeping Requirements

- 1. None

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IV. Reporting Requirements

- 1. None

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V. Testing Requirements

- 1. None

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VI. Miscellaneous Requirements

- 1. None

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 0204000133 Emissions Unit ID: P011 Issuance type: Title V Preliminary Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. 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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Thermoplastic additive disperser C-1	OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8 lbs/hr and 40 lbs/day, excluding emissions from cleanup materials. See sections A.I.2.a., A.I.2.b. and A.I.2.c. below.
	OAC rule 3745-31-05(D) PTI 02-11793	
	OAC rule 3745-31-05(A)(3) PTI 02-11793	Organic compound (OC) emissions shall not exceed 23 lbs/day, excluding emissions from the cleanup materials. OC emissions shall not exceed 26 lbs/day and 4.75 tons/year, including emissions from the cleanup materials.

- 2. **Additional Terms and Conditions**

- a. The daily emission limit specified in this rule is less stringent than the daily limit established pursuant to OAC rule 3745-31-05(A)(3).
- b. The emissions of organic materials from the production operation consist of styrene, a photochemically reactive material as defined in OAC rule 3745-21-01(C)(5).
- c. Only nonphotochemically reactive cleanup materials shall be employed.
- d. The combined VOC emissions from P010 - P018, P021 - P059, and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (This limitation is equivalent to the daily styrene throughput restriction.)

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II. Operational Restrictions

1. The maximum styrene throughput for this emissions unit shall not exceed 78,000 lbs/day.

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information for each day for this emissions unit:
 - a. The company identification for each production material and each cleanup material employed.
 - b. An identification of whether or not each cleanup material employed is a photochemically reactive material.
 - c. The weight of each production material employed, in pounds.
 - d. The styrene content of each production material employed, in percent by weight.
 - e. The styrene throughput of all production materials, in pounds.
 - f. The total organic compound emission rate for all production materials, in pounds.
 - g. The actual number of hours that the emissions unit was in operation.
 - h. The average hourly organic compound emission rate for all production materials, i.e., (f) divided by (g), in pounds per hour (average).
 - i. The weight of each cleanup material dispensed, in pounds.
 - j. The weight of each cleanup material returned, in pounds.
 - k. The total organic compound emission rate for all cleanup materials, in pounds.
 - l. The total organic compound emission rate for all production materials and all cleanup materials, in pounds per day.
2. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
 - a. An identification of each day during which the average hourly OC emissions from the production materials exceeded 8 pounds per hour, and the actual average hourly OC emissions for each such day.
 - b. An identification of each day during which the OC emissions from the production materials exceeded 23 pounds per day, and the actual OC emissions for each such day.
 - c. An identification of each day during which the OC emissions from the production materials and the cleanup materials exceeded 26 pounds per day, and the actual OC emissions for each such day.
 - d. An identification of each day during which any photochemically reactive cleanup materials were employed.
 - e. An identification of each day during which the styrene throughput exceeded 78,000 pounds per day, and the actual styrene throughput for each such day.
 - f. An identification of each month during which the rolling, 12-month VOC emissions from emission units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.

2. The permittee shall submit annual reports which specify the total OC emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year.
3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 of each year.

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V. **Testing Requirements**

1. Compliance with the allowable emission limitations in section A.I.1. of these terms and conditions shall be determined in accordance with the following methods:
 - a. Emission Limitation: 183.53 TPY VOC, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.
 - b. Emission Limitation: 8 lbs OC/hr, excluding emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.1.h. If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Method 18, 25 or 25A, as appropriate.
 - c. Emission Limitation: 23 lbs OC/day, excluding emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be determined based upon the following:

 - i. Determination of available styrene in the production materials:

$$AS(\text{lbs/day}) = \text{Summation of } (P_i \times SC_i).$$

where:
 AS(lbs/day) = the available styrene, also the styrene throughput, in pounds per day.
 P_i = the production rate of material i, in pounds per day.
 SC_i = the styrene content of material i, in pounds of available styrene per pound of production material.
 - ii. Determination of organic compound emissions from production operations:

$$ES(\text{lbs/day}) = AS \times EF.$$

where:
 ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day.
 EF = emission factor for styrene emissions from the dispersers, which is 0.000292 pounds per pound of available styrene, as determined from emissions testing for P012, conducted on June 11, 1998.
 - d. Emission Limitation: 26 lbs OC/day, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be determined based upon the following:

 - i. Determination of daily emissions from cleanup operations, EC(lbs/day), shall be made in accordance with the following method(s):

$$EC(\text{lbs/day}) = \text{Summation of } [(WC/OUT - WC/IN)_i].$$

where:
 EC(lbs/day) = the organic compound emissions from cleanup operations, in pounds per day.
 WC/OUT_i = weight of cleanup material i dispensed to work stations, in pounds per day.
 WC/IN_i = weight of cleanup material i returned to solvent dispensing area, in pounds per day.
 - ii. Determination of daily emissions from all operations, EOC(lbs/day), shall be determined in accordance with the following method(s):

$$EOC(\text{lbs/day}) = ES(\text{lbs/day}) + EC(\text{lbs/day}).$$

where:
 ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day, as specified in section A.V.1.c.
 - e. Emission Limitation: 4.75 TPY OC, including emissions from cleanup materials

Applicable Compliance Method: To determine annual OC emissions from all materials, compliance shall be based on the sum of the daily OC emission rates from production materials and cleanup materials, EOC (lbs/day), as specified in section A.V.1.d. of this permit for the calendar year, divided by 2000 pounds/ton.

2. Any determination of organic compound content (percent by weight), solids content, or density of a material shall be based on the material as employed, including the addition of any thinner or viscosity reducer to the material. The permittee shall determine the composition of the material by formulation data supplied by the manufacturer or from data determined by an analysis of each material, as received, by U.S. EPA Reference Method 24 as referenced in 40 CFR Part 60, Appendix A. If formulation data is employed, the Ohio EPA may require the permittee to have a Reference Method 24 analysis or an equivalent, alternative method (as approved by Ohio EPA) performed on the material(s).

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0204000133 Emissions Unit ID: P011 Issuance type: Title V Preliminary Proposed Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. **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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
2. Additional Terms and Conditions		
1. None		

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II. **Operational Restrictions**

1. None

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III. **Monitoring and/or Record Keeping Requirements**

1. None

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IV. **Reporting Requirements**

1. None

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V. **Testing Requirements**

1. None

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0204000133 Emissions Unit ID: P012 Issuance type: Title V Preliminary Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. **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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Resin paste disperser C-2 with a baghouse to control particulate emissions	OAC rule 3745-17-07(A)	Visible particulate emissions from this emissions unit shall not exceed 20% opacity as a 6-minute average, except as specified by rule.
	OAC rule 3745-17-11	Particulate emissions (PE) shall not exceed 7.45 lbs/hr. See section A.I.2.a. below.
	OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8 lbs/hr and 40 lbs/day from the production operation. See sections A.I.2.a., A.I.2.b. and A.I.2.c. below.
	OAC rule 3745-31-05(D) PTI 02-11793	See sections A.I.2.d. and A.I.2.e. below.
	OAC rule 3745-31-05(A)(3) PTI 02-11793	Particulate emissions (PE) shall not exceed 0.59 lb/hr and 2.56 tons/year. Organic compound (OC) emissions shall not exceed 3.02 lbs/hr and 20 lbs/day, excluding emissions from the cleanup materials. OC emissions shall not exceed 25 lbs/day and 4.56 tons/year, including emissions from the cleanup materials.

2. **Additional Terms and Conditions**

- a. The emission limit(s) specified in this rule is (are) less stringent than the limit established pursuant to OAC rule 3745-31-05(A)(3).
- b. The emissions of organic materials from the production operation consist of styrene, a photochemically reactive material as defined in OAC rule 3745-21-01(C)(5).
- c. Only nonphotochemically reactive cleanup materials shall be employed.
- d. The combined VOC emissions from P010 - P018, P021 - P059 and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (This limitation is equivalent to the daily styrene throughput restriction.)
- e. The combined PE from P012 - P018 and P021 - P028 shall be limited to 21.34 tons per year.

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II. **Operational Restrictions**

1. The maximum styrene throughput for this emissions unit shall not exceed 68,400 lbs/day.

2. The pressure drop across the baghouse shall be maintained within the range of 1 to 3 inches of water while the emissions unit is in operation.

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information for each day for this emissions unit:
 - a. The company identification for each production material and each cleanup material employed.
 - b. An identification of whether or not each cleanup material employed is a photochemically reactive material.
 - c. The weight of each production material employed, in pounds.
 - d. The styrene content of each production material employed, in percent by weight.
 - e. The styrene throughput of all production materials, in pounds.
 - f. The total organic compound emission rate for all production materials, in pounds.
 - g. The actual number of hours that the emissions unit was in operation.
 - h. The average hourly organic compound emission rate for all production materials, i.e., (f) divided by (g), in pounds per hour (average).
 - i. The weight of each cleanup material dispensed, in pounds.
 - j. The weight of each cleanup material returned, in pounds.
 - k. The total organic compound emission rate for all cleanup materials, in pounds.
 - l. The total organic compound emission rate for all production materials and all cleanup materials, in pounds per day.
2. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a once per day basis when the emissions unit is in operation.
3. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
 - a. An identification of each day during which the average hourly OC emissions from the production materials exceeded 3.02 pounds per hour, and the actual average hourly OC emissions for each such day.
 - b. An identification of each day during which the OC emissions from the production materials exceeded 20 pounds per day, and the actual OC emissions for each such day.
 - c. An identification of each day during which the OC emissions from the production materials and the cleanup materials exceeded 25 pounds per day, and the actual OC emissions for each such day.
 - d. An identification of each day during which any photochemically reactive cleanup materials were employed.
 - e. An identification of each day during which the styrene throughput exceeded 68,400 pounds per day, and the actual styrene throughput for each such day.
 - f. An identification of each day during which the pressure drop across the baghouse did not comply with the allowable range specified in section A.II.2., and the actual pressure drops and periods of time for each such day.
 - g. An identification of each month during which the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.
2. The permittee shall submit annual reports which specify the total OC emissions and particulate emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year.
3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 of each year.

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V. **Testing Requirements**

1. Compliance with the allowable emission limitations in section A.I.1. of these terms and conditions shall be determined in accordance with the following methods:
 - a. Emission Limitation: 20% opacity of visible particulate emissions.

Applicable Compliance Method: Compliance shall be determined based upon OAC rule 3745-17-03(B) (1).
 - b. Emission Limitation: 0.59 lb PE/hr.

Applicable Compliance Method(s): To determine the actual worst case PE rate, the following equation shall be used:

$$\text{EPE}(\text{lbs/hr}) = \text{DSC} \times \text{EF} \times (1 - \text{CE}).$$

where:
 $\text{EPE}(\text{lbs/hr})$ = maximum hourly PE rate, in pounds per hour.

DSC = the maximum, dry solids usage rate of the raw material, which is 4,879.32 pounds per hour, as noted in the application.

EF = the emission factor for particulate emissions, which is 0.01 pound of uncontrolled PE per pound of available particulate matter content, as noted in AP-42 chapter 6.4 (5/83).

CE = control efficiency of PE control device, 0.99 pounds of controlled PE per pound of uncontrolled PE, as specified in an application for PTI 02-8922.

If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1-5.
 - c. Emission Limitation: 2.56 TPY PE from production operations.

Applicable Compliance Method: To determine the worst case rate for PE, the actual, hourly, worst case emission rate as determined in section A.V.1.b. shall be multiplied by 8760 hrs/yr and divided by 2000 lbs/ton.
 - d. Emission Limitation: 21.34 TPY PE from production operations.

Applicable Compliance Method: To determine the worst case PE rate the following equation shall be used:

$$\text{PE (TPY)} = [\text{Summation of EPE}(\text{lbs/hr})] \times 8760 \text{ hrs/yr} \times \text{ton}/2000 \text{ lbs.}$$

where:
 PE (TPY) = maximum annual PE rate for P012-P018 and P021-P028, in tons per year.

i = an individual emissions unit from the following group of emissions units: P012-P018 and P021-P028.

$\text{EPE}(\text{lbs/hr})$ = maximum PE rate, in pounds per hour, as noted in section A.V.1.b. for each specified emissions unit.
 - e. Emission Limitation: 183.53 TPY VOC, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.
 - f. Emission Limitation: 3.02 lbs OC/hr, excluding emissions from the cleanup materials.

Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.1.h. If required, the permittee shall demonstrate compliance with this emission limitation through emission tests, performed in accordance with 40 CFR Part 60, Appendix A, Method 18, 25 or 25A, as appropriate.
 - g. Emission Limitation: 20 lbs OC/day, excluding emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be determined based upon the following:

 - i. Determination of available styrene in the production materials:

$$\text{AS}(\text{lbs/day}) = \text{Summation of } (\text{P}_i \times \text{SC}_i).$$

where:
 $\text{AS}(\text{lbs/day})$ = the available styrene, also the styrene throughput, in pounds per day.

P_i = the production rate of material i, in pounds per day.

SC_i = the styrene content of material i, in pounds of available styrene per pound of production material.

ii. Determination of organic compound emissions from production operations:

$$ES(\text{lbs/day}) = AS \times EF.$$

where:

ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day.

EF = emission factor for styrene emissions from the dispersers, which is 0.000292 pounds per pound of available styrene, as determined from emissions testing for P012, conducted on June 11, 1998.

h. Emission Limitation: 25 lbs OC/day, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be determined based upon the following:

i. Determination of daily emissions from cleanup operations, EC(lbs/day), shall be made in accordance with the following method(s):

$$EC(\text{lbs/day}) = \text{Summation of } [(WC/OUT - WC/IN)_i]$$

where:

EC(lbs/day) = the organic compound emissions from cleanup operations, in pounds per day.

WC/OUT_i = weight of cleanup material i dispensed to work stations, in pounds per day.

WC/IN_i = weight of cleanup material i returned to solvent dispensing area, in pounds per day.

ii. Determination of daily emissions from all operations, EOC(lbs/day), shall be determined in accordance with the following method(s):

$$EOC(\text{lbs/day}) = ES(\text{lbs/day}) + EC(\text{lbs/day}).$$

where:

ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day, as specified in section A.V.1.g.

i. Emission Limitation: 4.56 TPY OC, including emissions from cleanup materials.

Applicable Compliance Method: To determine annual OC emissions from all materials, compliance shall be based on the sum of the daily OC emission rates from production materials and cleanup materials, EOC(lbs/day), as specified in section A.V.1.h. of this permit for the calendar year, divided by 2000 pounds/ton.

2. Any determination of organic compound content (percent by weight), solids content, or density of a material shall be based on the material as employed, including the addition of any thinner or viscosity reducer to the material. The permittee shall determine the composition of the material by formulation data supplied by the manufacturer or from data determined by an analysis of each material, as received, by U.S. EPA Reference Method 24 as referenced in 40 CFR Part 60, Appendix A. If formulation data is employed, the Ohio EPA may require the permittee to have a Reference Method 24 analysis or an equivalent, alternative method (as approved by Ohio EPA) performed on the material(s).

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0204000133 Emissions Unit ID: P012 Issuance type: Title V Preliminary Proposed Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. **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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
2. Additional Terms and Conditions		
1. None		

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II. Operational Restrictions

1. None

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III. Monitoring and/or Record Keeping Requirements

1. None

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IV. Reporting Requirements

1. None

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V. Testing Requirements

1. None

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VI. Miscellaneous Requirements

1. None

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Facility ID: 0204000133 Emissions Unit ID: P013 Issuance type: Title V Preliminary Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. 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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Resin paste disperser C-3 with a baghouse to control particulate emissions	OAC rule 3745-17-07(A)	Visible particulate emissions from this emissions unit shall not exceed 20% opacity as a 6-minute average, except as specified by rule.

OAC rule 3745-17-11	Particulate emissions (PE) shall not exceed 7.45 lbs/hr. See section A.1.2.a. below.
OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8 lbs/hr and 40 lbs/day from the production operation. See sections A.1.2.a., A.1.2.b. and A.1.2.c. below.
OAC rule 3745-31-05(D) PTI 02-11793	See sections A.1.2.d. and A.1.2.e. below.
OAC rule 3745-31-05(A)(3) PTI 02-11793	Particulate emissions (PE) shall not exceed 0.59 lb/hr and 2.56 tons/year. Organic compound (OC) emissions shall not exceed 2.74 lbs/hr and 21 lbs/day, excluding emissions from the cleanup materials. OC emissions shall not exceed 26 lbs/day and 4.75 tons/year, including emissions from the cleanup materials.

2. **Additional Terms and Conditions**

- a. The emission limit(s) specified is (are) this rule is less stringent than the limit established pursuant to OAC rule 3745-31-05(A)(3).
- b. The emissions of organic materials from the production operation consist of styrene, a photochemically reactive material as defined in OAC rule 3745-21-01(C)(5).
- c. Only nonphotochemically reactive cleanup materials shall be employed.
- d. The combined VOC emissions from P010 - P018, P021 - P059 and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (This limitation is equivalent to the daily styrene throughput restriction.)
- e. The combined PE from P012 - P018 and P021 - P028 shall be limited to 21.34 tons per year.

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II. **Operational Restrictions**

1. The maximum styrene throughput for this emissions unit shall not exceed 72,000 lbs/day.
2. The pressure drop across the baghouse shall be maintained within the range of 1 to 3 inches of water while the emissions unit is in operation.

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III. **Monitoring and/or Record Keeping Requirements**

1. The permittee shall collect and record the following information for each day for this emissions unit:
 - a. The company identification for each production material and each cleanup material employed.
 - b. An identification of whether or not each cleanup material employed is a photochemically reactive material.
 - c. The weight of each production material employed, in pounds.
 - d. The styrene content of each production material employed, in percent by weight.
 - e. The styrene throughput of all production materials, in pounds.
 - f. The total organic compound emission rate for all production materials, in pounds.
 - g. The actual number of hours that the emissions unit was in operation.
 - h. The average hourly organic compound emission rate for all production materials, i.e., (f) divided by (g), in pounds per hour (average).
 - i. The weight of each cleanup material dispensed, in pounds.
 - j. The weight of each cleanup material returned, in pounds.
 - k. The total organic compound emission rate for all cleanup materials, in pounds.
 - l. The total organic compound emission rate for all production materials and all cleanup materials, in pounds per day.
2. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a once per day basis when the emissions unit is in operation.

3. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
 - a. An identification of each day during which the average hourly OC emissions from the production materials exceeded 2.74 pounds per hour, and the actual average hourly OC emissions for each such day.
 - b. An identification of each day during which the OC emissions from the production materials exceeded 21 pounds per day, and the actual OC emissions for each such day.
 - c. An identification of each day during which the OC emissions from the production materials and the cleanup materials exceeded 26 pounds per day, and the actual OC emissions for each such day.
 - d. An identification of each day during which any photochemically reactive cleanup materials were employed.
 - e. An identification of each day during which the styrene throughput exceeded 72,000 pounds per day, and the actual styrene throughput for each such day.
 - f. An identification of each day during which the pressure drop across the baghouse did not comply with the allowable range specified in section A.II.2., and the actual pressure drops and periods of time for each such day.
 - g. An identification of each month during which the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.
2. The permittee shall submit annual reports which specify the total OC emissions and particulate emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year.
3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 of each year.

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V. Testing Requirements

1. Compliance with the allowable emission limitations in section A.I.1. of these terms and conditions shall be determined in accordance with the following methods:
 - a. Emission Limitation: 20% opacity of visible particulate emissions.

Applicable Compliance Method: Compliance shall be determined based upon OAC rule 3745-17-03(B) (1).
 - b. Emission Limitation: 0.59 lb PE/hr.

Applicable Compliance Method(s): To determine the actual worst case PE rate, the following equation shall be used:

$$EPE(\text{lbs/hr}) = DSC \times EF \times (1 - CE).$$

where:
 $EPE(\text{lbs/hr}) =$ maximum hourly PE rate, in pounds per hour.

DSC = the maximum, dry solids usage rate of the raw material, which is 4,879.32 pounds per hour, as noted in the application.

EF = the emission factor for particulate emissions, which is 0.01 pound of uncontrolled PE per pound of available particulate matter content, as noted in AP-42 chapter 6.4 (5/83).

CE = control efficiency of PE control device, 0.99 pounds of controlled PE per pound of uncontrolled PE, as specified in an application for PTI 02-8922.

If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1-5.
 - c. Emission Limitation: 2.56 TPY PE from production operations.

Applicable Compliance Method: To determine the worst case rate for PE, the actual, hourly, worst case emission rate as determined in section A.V.1.b. shall be multiplied by 8760 hrs/yr and divided by 2000 lbs/ton.

- d. Emission Limitation: 21.34 TPY PE from production operations.
- Applicable Compliance Method: To determine the worst case PE rate the following equation shall be used:
- $$PE (TPY) = [\text{Summation of } EPE_i(\text{lbs/hr})] \times 8760 \text{ hrs/yr} \times \text{ton}/2000 \text{ lbs.}$$
- where:
PE (TPY) = maximum annual PE rate for P012-P018 and P021-P028, in tons per year.
- i = an individual emissions unit from the following group of emissions units: P012-P018 and P021-P028.
- EPE(lbs/hr) = maximum PE rate, in pounds per hour, as noted in section A.V.1.b. for each specified emissions unit.
- e. Emission Limitation: 183.53 TPY VOC, including emissions from cleanup materials.
- Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.
- f. Emission Limitation: 2.74 lbs OC/hr, excluding emissions from the cleanup materials.
- Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.1.h. If required, the permittee shall demonstrate compliance with this emission limitation through emission tests, performed in accordance with 40 CFR Part 60, Appendix A, Method 18, 25 or 25A, as appropriate.
- g. Emission Limitation: 21 lbs OC/day, excluding emissions from cleanup materials.
- Applicable Compliance Method: Compliance shall be determined based upon the following:
- i. Determination of available styrene in the production materials:
- $$AS(\text{lbs/day}) = \text{Summation of } (P_i \times SC_i).$$
- where:
AS(lbs/day) = the available styrene, also the styrene throughput, in pounds per day.
P_i = the production rate of material i, in pounds per day.
SC_i = the styrene content of material i, in pounds of available styrene per pound of production material.
- ii. Determination of organic compound emissions from production operations:
- $$ES(\text{lbs/day}) = AS \times EF.$$
- where:
ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day.
EF = emission factor for styrene emissions from the dispersers, which is 0.000292 pounds per pound of available styrene, as determined from emissions testing for P012, conducted on June 11, 1998.
- h. Emission Limitation: 26 lbs OC/day, including emissions from cleanup materials.
- Applicable Compliance Method: Compliance shall be determined based upon the following:
- i. Determination of daily emissions from cleanup operations, EC(lbs/day), shall be made in accordance with the following method(s):
- $$EC(\text{lbs/day}) = \text{Summation of } [(WC/OUT - WC/IN)_i]$$
- where:
EC(lbs/day) = the organic compound emissions from cleanup operations, in pounds per day.
WC/OUT_i = weight of cleanup material i dispensed to work stations, in pounds per day.
WC/IN_i = weight of cleanup material i returned to solvent dispensing area, in pounds per day.
- ii. Determination of daily emissions from all operations, EOC(lbs/day), shall be determined in accordance with the following method(s):
- $$EOC(\text{lbs/day}) = ES(\text{lbs/day}) + EC(\text{lbs/day}).$$
- where:
ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day, as specified in section A.V.1.f.
- i. Emission Limitation: 4.75 TPY OC, including emissions from cleanup materials.

Applicable Compliance Method: To determine annual OC emissions from all materials, compliance shall be based on the sum of the daily OC emission rates from production materials and cleanup materials, EOC(lbs/day), as specified in section A.V.1.g. of this permit for the calendar year, divided by 2000 pounds/ton.

2. Any determination of organic compound content (percent by weight), solids content, or density of a material shall be based on the material as employed, including the addition of any thinner or viscosity reducer to the material. The permittee shall determine the composition of the material by formulation data supplied by the manufacturer or from data determined by an analysis of each material, as received, by U.S. EPA Reference Method 24 as referenced in 40 CFR Part 60, Appendix A. If formulation data is employed, the Ohio EPA may require the permittee to have a Reference Method 24 analysis or an equivalent, alternative method (as approved by Ohio EPA) performed on the material(s).

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0204000133 Emissions Unit ID: P013 Issuance type: Title V Preliminary Proposed Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. **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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

	<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
2. Additional Terms and Conditions			
1.	None		

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II. **Operational Restrictions**

1. None

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III. **Monitoring and/or Record Keeping Requirements**

1. None

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IV. **Reporting Requirements**

1. None

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V. **Testing Requirements**

1. None

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0204000133 Emissions Unit ID: P014 Issuance type: Title V Preliminary Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. **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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Resin paste disperser C-4 with a baghouse to control particulate emissions	OAC rule 3745-17-07(A)	Visible particulate emissions from this emissions unit shall not exceed 20% opacity as a 6-minute average, except as specified by rule.
	OAC rule 3745-17-11	Particulate emissions (PE) shall not exceed 7.45 lbs/hr. See section A.I.2.a. below.
	OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8 lbs/hr and 40 lbs/day from the production operation. See sections A.I.2.a., A.I.2.b. and A.I.2.c. below.
	OAC rule 3745-31-05(D) PTI 02-11793	See sections A.I.2.d. and A.I.2.e. below.
	OAC rule 3745-31-05(A)(3) PTI 02-11793	Particulate emissions (PE) shall not exceed 0.59 lb/hr and 2.56 tons/year. Organic compound (OC) emissions shall not exceed 2.44 lbs/hr and 16 lbs/day, excluding emissions from the cleanup materials. OC emissions shall not exceed 21 lbs/day and 3.83 tons/year, including emissions from the cleanup materials.

2. **Additional Terms and Conditions**

- a. The emission limit(s) specified in this rule is (are) less stringent than the limit established pursuant to OAC rule 3745-31-05(A)(3).
- b. The emissions of organic materials from the production operation consist of styrene, a photochemically reactive material as defined in OAC rule 3745-21-01(C)(5).
- c. Only nonphotochemically reactive cleanup materials shall be employed.
- d. The combined VOC emissions from P010 - P018, P021 - P059 and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (This limitation is equivalent to the daily styrene throughput restriction.)
- e. The combined PE from P012 - P018 and P021 - P028 shall be limited to 21.34 tons per year.

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II. **Operational Restrictions**

1. The maximum styrene throughput for this emissions unit shall not exceed 54,800 lbs/day.

2. The pressure drop across the baghouse shall be maintained within the range of 1 to 3 inches of water while the emissions unit is in operation.

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information for each day for this emissions unit:
 - a. The company identification for each production material and each cleanup material employed.
 - b. An identification of whether or not each cleanup material employed is a photochemically reactive material.
 - c. The weight of each production material employed, in pounds.
 - d. The styrene content of each production material employed, in percent by weight.
 - e. The styrene throughput of all production materials, in pounds.
 - f. The total organic compound emission rate for all production materials, in pounds.
 - g. The actual number of hours that the emissions unit was in operation.
 - h. The average hourly organic compound emission rate for all production materials, i.e., (f) divided by (g), in pounds per hour (average).
 - i. The weight of each cleanup material dispensed, in pounds.
 - j. The weight of each cleanup material returned, in pounds.
 - k. The total organic compound emission rate for all cleanup materials, in pounds.
 - l. The total organic compound emission rate for all production materials and all cleanup materials, in pounds per day.
2. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a once per day basis when the emissions unit is in operation.
3. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
 - a. An identification of each day during which the average hourly OC emissions from the production materials exceeded 2.44 pounds per hour, and the actual average hourly OC emissions for each such day.
 - b. An identification of each day during which the OC emissions from the production materials exceeded 16 pounds per day, and the actual OC emissions for each such day.
 - c. An identification of each day during which the OC emissions from the production materials and the cleanup materials exceeded 21 pounds per day, and the actual OC emissions for each such day.
 - d. An identification of each day during which any photochemically reactive cleanup materials were employed.
 - e. An identification of each day during which the styrene throughput exceeded 54,800 pounds per day, and the actual styrene throughput for each such day.
 - f. An identification of each day during which the pressure drop across the baghouse did not comply with the allowable range specified in section A.II.2., and the actual pressure drops and periods of time for each such day.
 - g. An identification of each month during which the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.
2. The permittee shall submit annual reports which specify the total OC emissions and particulate emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year.
3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 of each year.

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V. **Testing Requirements**

1. Compliance with the allowable emission limitations in section A.I.1. of these terms and conditions shall be determined in accordance with the following methods:
 - a. Emission Limitation: 20% opacity of visible particulate emissions.

Applicable Compliance Method: Compliance shall be determined based upon OAC rule 3745-17-03(B) (1).
 - b. Emission Limitation: 0.59 lb PE/hr.

Applicable Compliance Method(s): To determine the actual worst case PE rate, the following equation shall be used:

$$\text{EPE}(\text{lbs/hr}) = \text{DSC} \times \text{EF} \times (1 - \text{CE}).$$

where:
EPE(lbs/hr) = maximum hourly PE rate, in pounds per hour.

DSC = the maximum, dry solids usage rate of the raw material, which is 4,879.32 pounds per hour, as noted in the application.

EF = the emission factor for particulate emissions, which is 0.01 pound of uncontrolled PE per pound of available particulate matter content, as noted in AP-42 chapter 6.4 (5/83).

CE = control efficiency of PE control device, 0.99 pounds of controlled PE per pound of uncontrolled PE, as specified in an application for PTI 02-8922.

If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1-5.
 - c. Emission Limitation: 2.56 TPY PE from production operations.

Applicable Compliance Method: To determine the worst case rate for PE, the actual, hourly, worst case emission rate as determined in section A.V.1.b. shall be multiplied by 8760 hrs/yr and divided by 2000 lbs/ton.
 - d. Emission Limitation: 21.34 TPY PE from production operations.

Applicable Compliance Method: To determine the worst case PE rate the following equation shall be used:

$$\text{PE (TPY)} = [\text{Summation of EPE}(\text{lbs/hr})] \times 8760 \text{ hrs/yr} \times \text{ton}/2000 \text{ lbs}.$$

where:
PE (TPY) = maximum annual PE rate for P012-P018 and P021-P028, in tons per year.

i = an individual emissions unit from the following group of emissions units: P012-P018 and P021-P028.

EPE(lbs/hr) = maximum PE rate, in pounds per hour, as noted in section A.V.1.b. for each specified emissions unit.
 - e. Emission Limitation: 183.53 TPY VOC, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.
 - f. Emission Limitation: 2.44 lbs OC/hr, excluding emissions from the cleanup materials.

Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.1.h. If required, the permittee shall demonstrate compliance with this emission limitation through emission tests, performed in accordance with 40 CFR Part 60, Appendix A, Method 18, 25 or 25A, as appropriate.
 - g. Emission Limitation: 16 lbs OC/day, excluding emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be determined based upon the following:

 - i. Determination of available styrene in the production materials:

$$\text{AS}(\text{lbs/day}) = \text{Summation of } (\text{P}_i \times \text{SC}_i).$$

where:
AS(lbs/day) = the available styrene, also the styrene throughput, in pounds per day.

P_i = the production rate of material i, in pounds per day.

SC_i = the styrene content of material i, in pounds of available styrene per pound of production material.

ii. Determination of organic compound emissions from production operations:

$$ES(\text{lbs/day}) = AS \times EF.$$

where:

ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day.

EF = emission factor for styrene emissions from the dispersers, which is 0.000292 pounds per pound of available styrene, as determined from emissions testing for P012, conducted on June 11, 1998.

h. Emission Limitation: 21 lbs OC/day, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be determined based upon the following:

i. Determination of daily emissions from cleanup operations, EC(lbs/day), shall be made in accordance with the following method(s):

$$EC(\text{lbs/day}) = \text{Summation of } [(WC/OUT - WC/IN)_i]$$

where:

EC(lbs/day) = the organic compound emissions from cleanup operations, in pounds per day.

WC/OUT_i = weight of cleanup material i dispensed to work stations, in pounds per day.

WC/IN_i = weight of cleanup material i returned to solvent dispensing area, in pounds per day.

ii. Determination of daily emissions from all operations, EOC(lbs/day), shall be determined in accordance with the following method(s):

$$EOC(\text{lbs/day}) = ES(\text{lbs/day}) + EC(\text{lbs/day}).$$

where:

ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day, as specified in section A.V.1.f.

i. Emission Limitation: 3.83 TPY OC, including emissions from cleanup materials.

Applicable Compliance Method: To determine annual OC emissions from all materials, compliance shall be based on the sum of the daily OC emission rates from production materials and cleanup materials, EOC(lbs/day), as specified in section A.V.1.g. of this permit for the calendar year, divided by 2000 pounds/ton.

2. Any determination of organic compound content (percent by weight), solids content, or density of a material shall be based on the material as employed, including the addition of any thinner or viscosity reducer to the material. The permittee shall determine the composition of the material by formulation data supplied by the manufacturer or from data determined by an analysis of each material, as received, by U.S. EPA Reference Method 24 as referenced in 40 CFR Part 60, Appendix A. If formulation data is employed, the Ohio EPA may require the permittee to have a Reference Method 24 analysis or an equivalent, alternative method (as approved by Ohio EPA) performed on the material(s).

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0204000133 Emissions Unit ID: P014 Issuance type: Title V Preliminary Proposed Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. **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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
2. Additional Terms and Conditions		
1. None		

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II. Operational Restrictions

1. None

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III. Monitoring and/or Record Keeping Requirements

1. None

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IV. Reporting Requirements

1. None

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V. Testing Requirements

1. None

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VI. Miscellaneous Requirements

1. None

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Facility ID: 0204000133 Emissions Unit ID: P015 Issuance type: Title V Preliminary Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. 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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Resin paste disperser C-5 with a baghouse to control particulate emissions	OAC rule 3745-17-07(A)	Visible particulate emissions from this emissions unit shall not exceed 20% opacity as a 6-minute average, except as specified by rule.

OAC rule 3745-17-11	Particulate emissions (PE) shall not exceed 7.45 lbs/hr. See section A.1.2.a. below.
OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8 lbs/hr and 40 lbs/day from the production operation. See sections A.1.2.a., A.1.2.b. and A.1.2.c. below.
OAC rule 3745-31-05(D) PTI 02-11793	See sections A.1.2.d. and A.1.2.e. below.
OAC rule 3745-31-05(A)(3) PTI 02-11793	Particulate emissions (PE) shall not exceed 0.59 lb/hr and 2.56 tons/year. Organic compound (OC) emissions shall not exceed 2.20 lbs/hr and 9 lbs/day, excluding emissions from the cleanup materials. OC emissions shall not exceed 14 lbs/day and 2.55 tons/year, including emissions from the cleanup materials.

2. **Additional Terms and Conditions**

- a. The emission limit(s) specified in this rule is (are) less stringent than the limit established pursuant to OAC rule 3745-31-05(A)(3).
- b. The emissions of organic materials from the production operation consist of styrene, a photochemically reactive material as defined in OAC rule 3745-21-01(C)(5).
- c. Only nonphotochemically reactive cleanup materials shall be employed.
- d. The combined VOC emissions from P010 - P018, P021 - P059 and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (This limitation is equivalent to the daily styrene throughput restriction.)
- e. The combined PE from P012 - P018 and P021 - P028 shall be limited to 21.34 tons per year.

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II. **Operational Restrictions**

1. The maximum styrene throughput for this emissions unit shall not exceed 30,800 lbs/day.
2. The pressure drop across the baghouse shall be maintained within the range of 1 to 3 inches of water while the emissions unit is in operation.

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III. **Monitoring and/or Record Keeping Requirements**

1. The permittee shall collect and record the following information for each day for this emissions unit:
 - a. The company identification for each production material and each cleanup material employed.
 - b. An identification of whether or not each cleanup material employed is a photochemically reactive material.
 - c. The weight of each production material employed, in pounds.
 - d. The styrene content of each production material employed, in percent by weight.
 - e. The styrene throughput of all production materials, in pounds.
 - f. The total organic compound emission rate for all production materials, in pounds.
 - g. The actual number of hours that the emissions unit was in operation.
 - h. The average hourly organic compound emission rate for all production materials, i.e., (f) divided by (g), in pounds per hour (average).
 - i. The weight of each cleanup material dispensed, in pounds.
 - j. The weight of each cleanup material returned, in pounds.
 - k. The total organic compound emission rate for all cleanup materials, in pounds.
 - l. The total organic compound emission rate for all production materials and all cleanup materials, in pounds per day.
2. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a once per day basis when the emissions unit is in operation.

3. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
 - a. An identification of each day during which the average hourly OC emissions from the production materials exceeded 2.20 pounds per hour, and the actual average hourly OC emissions for each such day.
 - b. An identification of each day during which the OC emissions from the production materials exceeded 9 pounds per day, and the actual OC emissions for each such day.
 - c. An identification of each day during which the OC emissions from the production materials and the cleanup materials exceeded 14 pounds per day, and the actual OC emissions for each such day.
 - d. An identification of each day during which any photochemically reactive cleanup materials were employed.
 - e. An identification of each day during which the styrene throughput exceeded 30,800 pounds per day, and the actual styrene throughput for each such day.
 - f. An identification of each day during which the pressure drop across the baghouse did not comply with the allowable range specified in section A.II.2., and the actual pressure drops and periods of time for each such day.
 - g. An identification of each month during which the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.
2. The permittee shall submit annual reports which specify the total OC emissions and particulate emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year.
3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 of each year.

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V. Testing Requirements

1. Compliance with the allowable emission limitations in section A.I.1. of these terms and conditions shall be determined in accordance with the following methods:
 - a. Emission Limitation: 20% opacity of visible particulate emissions.

Applicable Compliance Method: Compliance shall be determined based upon OAC rule 3745-17-03(B) (1).
 - b. Emission Limitation: 0.59 lb PE/hr.

Applicable Compliance Method(s): To determine the actual worst case PE rate, the following equation shall be used:

$$EPE(\text{lbs/hr}) = DSC \times EF \times (1 - CE).$$

where:
 $EPE(\text{lbs/hr}) =$ maximum hourly PE rate, in pounds per hour.

DSC = the maximum, dry solids usage rate of the raw material, which is 4,879.32 pounds per hour, as noted in the application.

EF = the emission factor for particulate emissions, which is 0.01 pound of uncontrolled PE per pound of available particulate matter content, as noted in AP-42 chapter 6.4 (5/83).

CE = control efficiency of PE control device, 0.99 pounds of controlled PE per pound of uncontrolled PE, as specified in an application for PTI 02-8922.

If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1-5.
 - c. Emission Limitation: 2.56 TPY PE from production operations.

Applicable Compliance Method: To determine the worst case rate for PE, the actual, hourly, worst case emission rate as determined in section A.V.1.b. shall be multiplied by 8760 hrs/yr and divided by 2000 lbs/ton.

- d. Emission Limitation: 21.34 TPY PE from production operations.
- Applicable Compliance Method: To determine the worst case PE rate the following equation shall be used:
- $$PE \text{ (TPY)} = [\text{Summation of } EPE_i \text{ (lbs/hr)}] \times 8760 \text{ hrs/yr} \times \text{ton}/2000 \text{ lbs.}$$
- where:
PE (TPY) = maximum annual PE rate for P012-P018 and P021-P028, in tons per year.
- i = an individual emissions unit from the following group of emissions units: P012-P018 and P021-P028.
- EPE(lbs/hr) = maximum PE rate, in pounds per hour, as noted in section A.V.1.b. for each specified emissions unit.
- e. Emission Limitation: 183.53 TPY VOC, including emissions from cleanup materials.
- Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.
- f. Emission Limitation: 2.20 lbs OC/hr, excluding emissions from the cleanup materials.
- Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.1.h. If required, the permittee shall demonstrate compliance with this emission limitation through emission tests, performed in accordance with 40 CFR Part 60, Appendix A, Method 18, 25 or 25A, as appropriate.
- g. Emission Limitation: 9 lbs OC/day, excluding emissions from cleanup materials.
- Applicable Compliance Method: Compliance shall be determined based upon the following:
- i. Determination of available styrene in the production materials:
- $$AS \text{ (lbs/day)} = \text{Summation of } (P_i \times SC_i).$$
- where:
AS(lbs/day) = the available styrene, also the styrene throughput, in pounds per day.
P_i = the production rate of material i, in pounds per day.
SC_i = the styrene content of material i, in pounds of available styrene per pound of production material.
- ii. Determination of organic compound emissions from production operations:
- $$ES \text{ (lbs/day)} = AS \times EF.$$
- where:
ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day.
EF = emission factor for styrene emissions from the dispersers, which is 0.000292 pounds per pound of available styrene, as determined from emissions testing for P012, conducted on June 11, 1998.
- h. Emission Limitation: 14 lbs OC/day, including emissions from cleanup materials.
- Applicable Compliance Method: Compliance shall be determined based upon the following:
- i. Determination of daily emissions from cleanup operations, EC(lbs/day), shall be made in accordance with the following method(s):
- $$EC \text{ (lbs/day)} = \text{Summation of } [(WC/OUT - WC/IN)_i]$$
- where:
EC(lbs/day) = the organic compound emissions from cleanup operations, in pounds per day.
WC/OUT_i = weight of cleanup material i dispensed to work stations, in pounds per day.
WC/IN_i = weight of cleanup material i returned to solvent dispensing area, in pounds per day.
- ii. Determination of daily emissions from all operations, EOC(lbs/day), shall be determined in accordance with the following method(s):
- $$EOC \text{ (lbs/day)} = ES \text{ (lbs/day)} + EC \text{ (lbs/day)}.$$
- where:
ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day, as specified in section A.V.1.f.
- i. Emission Limitation: 2.55 TPY OC, including emissions from cleanup materials.

Applicable Compliance Method: To determine annual OC emissions from all materials, compliance shall be based on the sum of the daily OC emission rates from production materials and cleanup materials, EOC(lbs/day), as specified in section A.V.1.g. of this permit for the calendar year, divided by 2000 pounds/ton.

2. Any determination of organic compound content (percent by weight), solids content, or density of a material shall be based on the material as employed, including the addition of any thinner or viscosity reducer to the material. The permittee shall determine the composition of the material by formulation data supplied by the manufacturer or from data determined by an analysis of each material, as received, by U.S. EPA Reference Method 24 as referenced in 40 CFR Part 60, Appendix A. If formulation data is employed, the Ohio EPA may require the permittee to have a Reference Method 24 analysis or an equivalent, alternative method (as approved by Ohio EPA) performed on the material(s).

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0204000133 Emissions Unit ID: P015 Issuance type: Title V Preliminary Proposed Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. **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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

	<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
2. Additional Terms and Conditions			
1.	None		

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II. **Operational Restrictions**

1. None

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III. **Monitoring and/or Record Keeping Requirements**

1. None

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IV. **Reporting Requirements**

1. None

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V. **Testing Requirements**

1. None

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0204000133 Emissions Unit ID: P016 Issuance type: Title V Preliminary Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. **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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Resin paste disperser C-6 with a baghouse to control particulate emissions	OAC rule 3745-17-07(A)	Visible particulate emissions from this emissions unit shall not exceed 20% opacity as a 6-minute average, except as specified by rule.
	OAC rule 3745-17-11	Particulate emissions (PE) shall not exceed 0.551 lbs/hr. See section A.I.2.a. below.
	OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8 lbs/hr and 40 lbs/day from the production operation. See sections A.I.2.a., A.I.2.b. and A.I.2.c. below.
	OAC rule 3745-31-05(D) PTI 02-11793	See sections A.I.2.d. and A.I.2.e. below.
	OAC rule 3745-31-05(A)(3) PTI 02-11793	Particulate emissions (PE) shall not exceed 0.01 lb/hr and 0.03 tons/year. Organic compound (OC) emissions shall not exceed 1.62 lbs/hr and 10 lbs/day, excluding emissions from the cleanup materials. OC emissions shall not exceed 13 lbs/day and 2.37 tons/year, including emissions from the cleanup materials.

2. **Additional Terms and Conditions**

- a. The emission limit(s) specified in this rule is (are) less stringent than the limit established pursuant to OAC rule 3745-31-05(A)(3).
- b. The emissions of organic materials from the production operation consist of styrene, a photochemically reactive material as defined in OAC rule 3745-21-01(C)(5).
- c. Only nonphotochemically reactive cleanup materials shall be employed.
- d. The combined VOC emissions from P010 - P018, P021 - P059 and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (This limitation is equivalent to the daily styrene throughput restriction.)
- e. The combined PE from P012 - P018 and P021 - P028 shall be limited to 21.34 tons per year.

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II. **Operational Restrictions**

1. The maximum styrene throughput for this emissions unit shall not exceed 34,200 lbs/day.

2. The pressure drop across the baghouse shall be maintained within the range of 1 to 3 inches of water while the emissions unit is in operation.

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information for each day for this emissions unit:
 - a. The company identification for each production material and each cleanup material employed.
 - b. An identification of whether or not each cleanup material employed is a photochemically reactive material.
 - c. The weight of each production material employed, in pounds.
 - d. The styrene content of each production material employed, in percent by weight.
 - e. The styrene throughput of all production materials, in pounds.
 - f. The total organic compound emission rate for all production materials, in pounds.
 - g. The actual number of hours that the emissions unit was in operation.
 - h. The average hourly organic compound emission rate for all production materials, i.e., (f) divided by (g), in pounds per hour (average).
 - i. The weight of each cleanup material dispensed, in pounds.
 - j. The weight of each cleanup material returned, in pounds.
 - k. The total organic compound emission rate for all cleanup materials, in pounds.
 - l. The total organic compound emission rate for all production materials and all cleanup materials, in pounds per day.
2. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a once per day basis when the emissions unit is in operation.
3. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
 - a. An identification of each day during which the average hourly OC emissions from the production materials exceeded 1.62 pounds per hour, and the actual average hourly OC emissions for each such day.
 - b. An identification of each day during which the OC emissions from the production materials exceeded 10 pounds per day, and the actual OC emissions for each such day.
 - c. An identification of each day during which the OC emissions from the production materials and the cleanup materials exceeded 13 pounds per day, and the actual OC emissions for each such day.
 - d. An identification of each day during which any photochemically reactive cleanup materials were employed.
 - e. An identification of each day during which the styrene throughput exceeded 34,200 pounds per day, and the actual styrene throughput for each such day.
 - f. An identification of each day during which the pressure drop across the baghouse did not comply with the allowable range specified in section A.II.2., and the actual pressure drops and periods of time for each such day.
 - g. An identification of each month during which the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.
2. The permittee shall submit annual reports which specify the total OC emissions and particulate emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year.
3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 of each year.

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V. **Testing Requirements**

1. Compliance with the allowable emission limitations in section A.I.1. of these terms and conditions shall be determined in accordance with the following methods:
 - a. Emission Limitation: 20% opacity of visible particulate emissions.

Applicable Compliance Method: Compliance shall be determined based upon OAC rule 3745-17-03(B) (1).
 - b. Emission Limitation: 0.01 lb PE/hr.

Applicable Compliance Method(s): To determine the actual worst case PE rate, the following equation shall be used:

$$\text{EPE}(\text{lbs/hr}) = \text{DSC} \times \text{EF} \times (1 - \text{CE}).$$

where:
 $\text{EPE}(\text{lbs/hr})$ = maximum hourly PE rate, in pounds per hour.

DSC = the maximum, dry solids usage rate of the raw material, which is 55.5 pounds per hour, as noted in the application.

EF = the emission factor for particulate emissions, which is 0.01 pound of uncontrolled PE per pound of available particulate matter content, as noted in AP-42 chapter 6.4 (5/83).

CE = control efficiency of PE control device, 0.99 pounds of controlled PE per pound of uncontrolled PE, as specified in an application for PTI 02-8922.

If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1-5.
 - c. Emission Limitation: 0.03 TPY PE from production operations.

Applicable Compliance Method: To determine the worst case rate for PE, the actual, hourly, worst case emission rate as determined in section A.V.1.b. shall be multiplied by 8760 hrs/yr and divided by 2000 lbs/ton.
 - d. Emission Limitation: 21.34 TPY PE from production operations.

Applicable Compliance Method: To determine the worst case PE rate the following equation shall be used:

$$\text{PE (TPY)} = [\text{Summation of EPE}(\text{lbs/hr})] \times 8760 \text{ hrs/yr} \times \text{ton}/2000 \text{ lbs.}$$

where:
 PE (TPY) = maximum annual PE rate for P012-P018 and P021-P028, in tons per year.

i = an individual emissions unit from the following group of emissions units: P012-P018 and P021-P028.

$\text{EPE}(\text{lbs/hr})$ = maximum PE rate, in pounds per hour, as noted in section A.V.1.b. for each specified emissions unit.
 - e. Emission Limitation: 183.53 TPY VOC, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.
 - f. Emission Limitation: 1.62 lbs OC/hr, excluding emissions from the cleanup materials.

Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.1.h. If required, the permittee shall demonstrate compliance with this emission limitation through emission tests, performed in accordance with 40 CFR Part 60, Appendix A, Method 18, 25 or 25A, as appropriate.
 - g. Emission Limitation: 10 lbs OC/day, excluding emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be determined based upon the following:

 - i. Determination of available styrene in the production materials:

$$\text{AS}(\text{lbs/day}) = \text{Summation of } (\text{P}_i \times \text{SC}_i).$$

where:
 $\text{AS}(\text{lbs/day})$ = the available styrene, also the styrene throughput, in pounds per day.

P_i = the production rate of material i, in pounds per day.

SC_i = the styrene content of material i, in pounds of available styrene per pound of production material.

ii. Determination of organic compound emissions from production operations:

$$ES(\text{lbs/day}) = AS \times EF.$$

where:

ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day.

EF = emission factor for styrene emissions from the dispersers, which is 0.000292 pounds per pound of available styrene, as determined from emissions testing for P012, conducted on June 11, 1998.

h. Emission Limitation: 13 lbs OC/day, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be determined based upon the following:

i. Determination of daily emissions from cleanup operations, EC(lbs/day), shall be made in accordance with the following method(s):

$$EC(\text{lbs/day}) = \text{Summation of } [(WC/OUT - WC/IN)_i]$$

where:

EC(lbs/day) = the organic compound emissions from cleanup operations, in pounds per day.

WC/OUT_i = weight of cleanup material i dispensed to work stations, in pounds per day.

WC/IN_i = weight of cleanup material i returned to solvent dispensing area, in pounds per day.

ii. Determination of daily emissions from all operations, EOC(lbs/day), shall be determined in accordance with the following method(s):

$$EOC(\text{lbs/day}) = ES(\text{lbs/day}) + EC(\text{lbs/day}).$$

where:

ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day, as specified in section A.V.1.f.

i. Emission Limitation: 2.37 TPY OC, including emissions from cleanup materials.

Applicable Compliance Method: To determine annual OC emissions from all materials, compliance shall be based on the sum of the daily OC emission rates from production materials and cleanup materials, EOC(lbs/day), as specified in section A.V.1.g. of this permit for the calendar year, divided by 2000 pounds/ton.

2. Any determination of organic compound content (percent by weight), solids content, or density of a material shall be based on the material as employed, including the addition of any thinner or viscosity reducer to the material. The permittee shall determine the composition of the material by formulation data supplied by the manufacturer or from data determined by an analysis of each material, as received, by U.S. EPA Reference Method 24 as referenced in 40 CFR Part 60, Appendix A. If formulation data is employed, the Ohio EPA may require the permittee to have a Reference Method 24 analysis or an equivalent, alternative method (as approved by Ohio EPA) performed on the material(s).

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0204000133 Emissions Unit ID: P016 Issuance type: Title V Preliminary Proposed Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. **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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
2. Additional Terms and Conditions		
1. None		

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II. Operational Restrictions

1. None

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III. Monitoring and/or Record Keeping Requirements

1. None

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IV. Reporting Requirements

1. None

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V. Testing Requirements

1. None

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VI. Miscellaneous Requirements

1. None

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Facility ID: 0204000133 Emissions Unit ID: P017 Issuance type: Title V Preliminary Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. 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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Resin paste disperser C-7 with a baghouse to control particulate emissions	OAC rule 3745-17-07(A)	Visible particulate emissions from this emissions unit shall not exceed 20% opacity as a 6-minute average, except as specified by rule.

OAC rule 3745-17-11	Particulate emissions (PE) shall not exceed 0.551 lbs/hr. See section A.1.2.a. below.
OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8 lbs/hr and 40 lbs/day from the production operation. See sections A.1.2.a., A.1.2.b. and A.1.2.c. below.
OAC rule 3745-31-05(D) PTI 02-11793	See sections A.1.2.d. and A.1.2.e. below.
OAC rule 3745-31-05(A)(3) PTI 02-11793	Particulate emissions (PE) shall not exceed 0.01 lb/hr and 0.03 tons/year. Organic compound (OC) emissions shall not exceed 1.56 lbs/hr and 10 lbs/day, excluding emissions from the cleanup materials. OC emissions shall not exceed 13 lbs/day and 2.37 tons/year, including emissions from the cleanup materials.

2. **Additional Terms and Conditions**

- a. The emission limit(s) specified in this rule is (are) less stringent than the limit established pursuant to OAC rule 3745-31-05(A)(3).
- b. The emissions of organic materials from the production operation consist of styrene, a photochemically reactive material as defined in OAC rule 3745-21-01(C)(5).
- c. Only nonphotochemically reactive cleanup materials shall be employed.
- d. The combined VOC emissions from P010 - P018, P021 - P059 and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (This limitation is equivalent to the daily styrene throughput restriction.)
- e. The combined PE from P012 - P018 and P021 - P028 shall be limited to 21.34 tons per year.

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II. **Operational Restrictions**

- 1. The maximum styrene throughput for this emissions unit shall not exceed 34,200 lbs/day.
- 2. The pressure drop across the baghouse shall be maintained within the range of 1 to 3 inches of water while the emissions unit is in operation.

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III. **Monitoring and/or Record Keeping Requirements**

- 1. The permittee shall collect and record the following information for each day for this emissions unit:
 - a. The company identification for each production material and each cleanup material employed.
 - b. An identification of whether or not each cleanup material employed is a photochemically reactive material.
 - c. The weight of each production material employed, in pounds.
 - d. The styrene content of each production material employed, in percent by weight.
 - e. The styrene throughput of all production materials, in pounds.
 - f. The total organic compound emission rate for all production materials, in pounds.
 - g. The actual number of hours that the emissions unit was in operation.
 - h. The average hourly organic compound emission rate for all production materials, i.e., (f) divided by (g), in pounds per hour (average).
 - i. The weight of each cleanup material dispensed, in pounds.
 - j. The weight of each cleanup material returned, in pounds.
 - k. The total organic compound emission rate for all cleanup materials, in pounds.
 - l. The total organic compound emission rate for all production materials and all cleanup materials, in pounds per day.
- 2. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a once per day basis when the emissions unit is in operation.

3. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
 - a. An identification of each day during which the average hourly OC emissions from the production materials exceeded 1.56 pounds per hour, and the actual average hourly OC emissions for each such day.
 - b. An identification of each day during which the OC emissions from the production materials exceeded 10 pounds per day, and the actual OC emissions for each such day.
 - c. An identification of each day during which the OC emissions from the production materials and the cleanup materials exceeded 13 pounds per day, and the actual OC emissions for each such day.
 - d. An identification of each day during which any photochemically reactive cleanup materials were employed.
 - e. An identification of each day during which the styrene throughput exceeded 34,200 pounds per day, and the actual styrene throughput for each such day.
 - f. An identification of each day during which the pressure drop across the baghouse did not comply with the allowable range specified in section A.II.2., and the actual pressure drops and periods of time for each such day.
 - g. An identification of each month during which the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.
2. The permittee shall submit annual reports which specify the total OC emissions and particulate emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year.
3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 of each year.

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V. Testing Requirements

1. Compliance with the allowable emission limitations in section A.I.1. of these terms and conditions shall be determined in accordance with the following methods:
 - a. Emission Limitation: 20% opacity of visible particulate emissions.

Applicable Compliance Method: Compliance shall be determined based upon OAC rule 3745-17-03(B) (1).
 - b. Emission Limitation: 0.01 lb PE/hr.

Applicable Compliance Method(s): To determine the actual worst case PE rate, the following equation shall be used:

$$EPE(\text{lbs/hr}) = DSC \times EF \times (1 - CE).$$

where:
 $EPE(\text{lbs/hr}) =$ maximum hourly PE rate, in pounds per hour.

DSC = the maximum, dry solids usage rate of the raw material, which is 55.5 pounds per hour, as noted in the application.

EF = the emission factor for particulate emissions, which is 0.01 pound of uncontrolled PE per pound of available particulate matter content, as noted in AP-42 chapter 6.4 (5/83).

CE = control efficiency of PE control device, 0.99 pounds of controlled PE per pound of uncontrolled PE, as specified in an application for PTI 02-8922.

If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1-5.
 - c. Emission Limitation: 0.03 TPY PE from production operations.

Applicable Compliance Method: To determine the worst case rate for PE, the actual, hourly, worst case emission rate as determined in section A.V.1.b. shall be multiplied by 8760 hrs/yr and divided by 2000 lbs/ton.

- d. Emission Limitation: 21.34 TPY PE from production operations.
- Applicable Compliance Method: To determine the worst case PE rate the following equation shall be used:
- $$PE (TPY) = [\text{Summation of } EPE_i(\text{lbs/hr})] \times 8760 \text{ hrs/yr} \times \text{ton}/2000 \text{ lbs.}$$
- where:
PE (TPY) = maximum annual PE rate for P012-P018 and P021-P028, in tons per year.
- i = an individual emissions unit from the following group of emissions units: P012-P018 and P021-P028.
- EPE(lbs/hr) = maximum PE rate, in pounds per hour, as noted in section A.V.1.b. for each specified emissions unit.
- e. Emission Limitation: 183.53 TPY VOC, including emissions from cleanup materials.
- Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.
- f. Emission Limitation: 1.56 lbs OC/hr, excluding emissions from the cleanup materials.
- Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.1.h. If required, the permittee shall demonstrate compliance with this emission limitation through emission tests, performed in accordance with 40 CFR Part 60, Appendix A, Method 18, 25 or 25A, as appropriate.
- g. Emission Limitation: 10 lbs OC/day, excluding emissions from cleanup materials.
- Applicable Compliance Method: Compliance shall be determined based upon the following:
- i. Determination of available styrene in the production materials:
- $$AS(\text{lbs/day}) = \text{Summation of } (P_i \times SC_i).$$
- where:
AS(lbs/day) = the available styrene, also the styrene throughput, in pounds per day.
P_i = the production rate of material i, in pounds per day.
SC_i = the styrene content of material i, in pounds of available styrene per pound of production material.
- ii. Determination of organic compound emissions from production operations:
- $$ES(\text{lbs/day}) = AS \times EF.$$
- where:
ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day.
EF = emission factor for styrene emissions from the dispersers, which is 0.000292 pounds per pound of available styrene, as determined from emissions testing for P012, conducted on June 11, 1998.
- h. Emission Limitation: 13 lbs OC/day, including emissions from cleanup materials.
- Applicable Compliance Method: Compliance shall be determined based upon the following:
- i. Determination of daily emissions from cleanup operations, EC(lbs/day), shall be made in accordance with the following method(s):
- $$EC(\text{lbs/day}) = \text{Summation of } [(WC/OUT - WC/IN)_i]$$
- where:
EC(lbs/day) = the organic compound emissions from cleanup operations, in pounds per day.
WC/OUT_i = weight of cleanup material i dispensed to work stations, in pounds per day.
WC/IN_i = weight of cleanup material i returned to solvent dispensing area, in pounds per day.
- ii. Determination of daily emissions from all operations, EOC(lbs/day), shall be determined in accordance with the following method(s):
- $$EOC(\text{lbs/day}) = ES(\text{lbs/day}) + EC(\text{lbs/day}).$$
- where:
ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day, as specified in section A.V.1.f.
- i. Emission Limitation: 2.37 TPY OC, including emissions from cleanup materials.

Applicable Compliance Method: To determine annual OC emissions from all materials, compliance shall be based on the sum of the daily OC emission rates from production materials and cleanup materials, EOC(lbs/day), as specified in section A.V.1.g. of this permit for the calendar year, divided by 2000 pounds/ton.

2. Any determination of organic compound content (percent by weight), solids content, or density of a material shall be based on the material as employed, including the addition of any thinner or viscosity reducer to the material. The permittee shall determine the composition of the material by formulation data supplied by the manufacturer or from data determined by an analysis of each material, as received, by U.S. EPA Reference Method 24 as referenced in 40 CFR Part 60, Appendix A. If formulation data is employed, the Ohio EPA may require the permittee to have a Reference Method 24 analysis or an equivalent, alternative method (as approved by Ohio EPA) performed on the material(s).

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VI. Miscellaneous Requirements

1. None

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Facility ID: 0204000133 Emissions Unit ID: P017 Issuance type: Title V Preliminary Proposed Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. 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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
2. Additional Terms and Conditions		
1. None		

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II. Operational Restrictions

1. None

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III. Monitoring and/or Record Keeping Requirements

1. None

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IV. Reporting Requirements

1. None

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V. Testing Requirements

1. None

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0204000133 Emissions Unit ID: P018 Issuance type: Title V Preliminary Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. **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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Resin paste disperser C-8 with a baghouse to control particulate emissions	OAC rule 3745-17-07(A)	Visible particulate emissions from this emissions unit shall not exceed 20% opacity as a 6-minute average, except as specified by rule.
	OAC rule 3745-17-11	Particulate emissions (PE) shall not exceed 0.551 lbs/hr. See section A.I.2.a. below.
	OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8 lbs/hr and 40 lbs/day from the production operation. See sections A.I.2.a., A.I.2.b. and A.I.2.c. below.
	OAC rule 3745-31-05(D) PTI 02-11793	See sections A.I.2.d. and A.I.2.e. below.
	OAC rule 3745-31-05(A)(3) PTI 02-11793	Particulate emissions (PE) shall not exceed 0.01 lb/hr and 0.03 tons/year. Organic compound (OC) emissions shall not exceed 1.70 lbs/hr and 10 lbs/day, excluding emissions from the cleanup materials. OC emissions shall not exceed 13 lbs/day and 2.37 tons/year, including emissions from the cleanup materials.

2. **Additional Terms and Conditions**

- a. The emission limit(s) specified in this rule is (are) less stringent than the limit established pursuant to OAC rule 3745-31-05(A)(3).
- b. The emissions of organic materials from the production operation consist of styrene, a photochemically reactive material as defined in OAC rule 3745-21-01(C)(5).
- c. Only nonphotochemically reactive cleanup materials shall be employed.
- d. The combined VOC emissions from P010 - P018, P021 - P059 and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (This limitation is equivalent to the daily styrene throughput restriction.)
- e. The combined PE from P012 - P018 and P021 - P028 shall be limited to 21.34 tons per year.

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II. **Operational Restrictions**

1. The maximum styrene throughput for this emissions unit shall not exceed 34,200 lbs/day.

2. The pressure drop across the baghouse shall be maintained within the range of 1 to 3 inches of water while the emissions unit is in operation.

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information for each day for this emissions unit:
 - a. The company identification for each production material and each cleanup material employed.
 - b. An identification of whether or not each cleanup material employed is a photochemically reactive material.
 - c. The weight of each production material employed, in pounds.
 - d. The styrene content of each production material employed, in percent by weight.
 - e. The styrene throughput of all production materials, in pounds.
 - f. The total organic compound emission rate for all production materials, in pounds.
 - g. The actual number of hours that the emissions unit was in operation.
 - h. The average hourly organic compound emission rate for all production materials, i.e., (f) divided by (g), in pounds per hour (average).
 - i. The weight of each cleanup material dispensed, in pounds.
 - j. The weight of each cleanup material returned, in pounds.
 - k. The total organic compound emission rate for all cleanup materials, in pounds.
 - l. The total organic compound emission rate for all production materials and all cleanup materials, in pounds per day.
2. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a once per day basis when the emissions unit is in operation.
3. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
 - a. An identification of each day during which the average hourly OC emissions from the production materials exceeded 1.70 pounds per hour, and the actual average hourly OC emissions for each such day.
 - b. An identification of each day during which the OC emissions from the production materials exceeded 10 pounds per day, and the actual OC emissions for each such day.
 - c. An identification of each day during which the OC emissions from the production materials and the cleanup materials exceeded 13 pounds per day, and the actual OC emissions for each such day.
 - d. An identification of each day during which any photochemically reactive cleanup materials were employed.
 - e. An identification of each day during which the styrene throughput exceeded 34,200 pounds per day, and the actual styrene throughput for each such day.
 - f. An identification of each day during which the pressure drop across the baghouse did not comply with the allowable range specified in section A.II.2., and the actual pressure drops and periods of time for each such day.
 - g. An identification of each month during which the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.
2. The permittee shall submit annual reports which specify the total OC emissions and particulate emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year.
3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 of each year.

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V. **Testing Requirements**

1. Compliance with the allowable emission limitations in section A.I.1. of these terms and conditions shall be determined in accordance with the following methods:
 - a. Emission Limitation: 20% opacity of visible particulate emissions.

Applicable Compliance Method: Compliance shall be determined based upon OAC rule 3745-17-03(B) (1).
 - b. Emission Limitation: 0.01 lb PE/hr.

Applicable Compliance Method(s): To determine the actual worst case PE rate, the following equation shall be used:

$$\text{EPE}(\text{lbs/hr}) = \text{DSC} \times \text{EF} \times (1 - \text{CE}).$$

where:
 $\text{EPE}(\text{lbs/hr})$ = maximum hourly PE rate, in pounds per hour.

DSC = the maximum, dry solids usage rate of the raw material, which is 55.5 pounds per hour, as noted in the application.

EF = the emission factor for particulate emissions, which is 0.01 pound of uncontrolled PE per pound of available particulate matter content, as noted in AP-42 chapter 6.4 (5/83).

CE = control efficiency of PE control device, 0.99 pounds of controlled PE per pound of uncontrolled PE, as specified in an application for PTI 02-8922.

If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1-5.
 - c. Emission Limitation: 0.03 TPY PE from production operations.

Applicable Compliance Method: To determine the worst case rate for PE, the actual, hourly, worst case emission rate as determined in section A.V.1.b. shall be multiplied by 8760 hrs/yr and divided by 2000 lbs/ton.
 - d. Emission Limitation: 21.34 TPY PE from production operations.

Applicable Compliance Method: To determine the worst case PE rate the following equation shall be used:

$$\text{PE (TPY)} = [\text{Summation of EPEi}(\text{lbs/hr})] \times 8760 \text{ hrs/yr} \times \text{ton}/2000 \text{ lbs}.$$

where:
 PE (TPY) = maximum annual PE rate for P012-P018 and P021-P028, in tons per year.

i = an individual emissions unit from the following group of emissions units: P012-P018 and P021-P028.

$\text{EPE}(\text{lbs/hr})$ = maximum PE rate, in pounds per hour, as noted in section A.V.1.b. for each specified emissions unit.
 - e. Emission Limitation: 183.53 TPY VOC, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.
 - f. Emission Limitation: 1.70 lbs OC/hr, excluding emissions from the cleanup materials.

Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.1.h. If required, the permittee shall demonstrate compliance with this emission limitation through emission tests, performed in accordance with 40 CFR Part 60, Appendix A, Method 18, 25 or 25A, as appropriate.
 - g. Emission Limitation: 10 lbs OC/day, excluding emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be determined based upon the following:

 - i. Determination of available styrene in the production materials:

$$\text{AS}(\text{lbs/day}) = \text{Summation of } (\text{P}_i \times \text{SC}_i).$$

where:
 $\text{AS}(\text{lbs/day})$ = the available styrene, also the styrene throughput, in pounds per day.

P_i = the production rate of material i, in pounds per day.

SC_i = the styrene content of material i, in pounds of available styrene per pound of production material.

ii. Determination of organic compound emissions from production operations:

$$ES(\text{lbs/day}) = AS \times EF.$$

where:

ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day.

EF = emission factor for styrene emissions from the dispersers, which is 0.000292 pounds per pound of available styrene, as determined from emissions testing for P012, conducted on June 11, 1998.

h. Emission Limitation: 13 lbs OC/day, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be determined based upon the following:

i. Determination of daily emissions from cleanup operations, EC(lbs/day), shall be made in accordance with the following method(s):

$$EC(\text{lbs/day}) = \text{Summation of } [(WC/OUT - WC/IN)_i]$$

where:

EC(lbs/day) = the organic compound emissions from cleanup operations, in pounds per day.

WC/OUT_i = weight of cleanup material i dispensed to work stations, in pounds per day.

WC/IN_i = weight of cleanup material i returned to solvent dispensing area, in pounds per day.

ii. Determination of daily emissions from all operations, EOC(lbs/day), shall be determined in accordance with the following method(s):

$$EOC(\text{lbs/day}) = ES(\text{lbs/day}) + EC(\text{lbs/day}).$$

where:

ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day, as specified in section A.V.1.f.

i. Emission Limitation: 2.37 TPY OC, including emissions from cleanup materials.

Applicable Compliance Method: To determine annual OC emissions from all materials, compliance shall be based on the sum of the daily OC emission rates from production materials and cleanup materials, EOC(lbs/day), as specified in section A.V.1.g. of this permit for the calendar year, divided by 2000 pounds/ton.

2. Any determination of organic compound content (percent by weight), solids content, or density of a material shall be based on the material as employed, including the addition of any thinner or viscosity reducer to the material. The permittee shall determine the composition of the material by formulation data supplied by the manufacturer or from data determined by an analysis of each material, as received, by U.S. EPA Reference Method 24 as referenced in 40 CFR Part 60, Appendix A. If formulation data is employed, the Ohio EPA may require the permittee to have a Reference Method 24 analysis or an equivalent, alternative method (as approved by Ohio EPA) performed on the material(s).

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0204000133 Emissions Unit ID: P018 Issuance type: Title V Preliminary Proposed Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. **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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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2. **Additional Terms and Conditions**

1. None

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II. **Operational Restrictions**

1. None

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III. **Monitoring and/or Record Keeping Requirements**

1. None

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IV. **Reporting Requirements**

1. None

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V. **Testing Requirements**

1. None

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0204000133 Emissions Unit ID: P021 Issuance type: Title V Preliminary Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. **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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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Bulk mold compound mixer 1 with a baghouse to control particulate emissions	OAC rule 3745-17-07(A)	Visible particulate emissions from this emissions unit shall not exceed 20% opacity as a 6-minute average, except as specified by rule.
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OAC rule 3745-17-11	Particulate emissions (PE) shall not exceed 2.21 lbs/hr. See section A.1.2.a. below.
OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8 lbs/hr and 40 lbs/day from the production operation. See sections A.1.2.b. and A.1.2.c. below.
OAC rule 3745-31-05(D) PTI 02-11793	See sections A.1.2.d. and A.1.2.e. below.
OAC rule 3745-31-05(A)(3) PTI 02-11793	Particulate emissions (PE) shall not exceed 0.21 lb/hr and 0.91 tons/year. Organic compound (OC) emissions shall not exceed 50 lbs/day and 9.13 tons/year, including emissions from the cleanup materials.

2. Additional Terms and Conditions

- a. The emission limit specified in this rule is less stringent than the limit established pursuant to OAC rule 3745-31-05(A)(3).
- b. The emissions of organic materials from the production operation consist of styrene, a photochemically reactive material as defined in OAC rule 3745-21-01(C)(5).
- c. Only nonphotochemically reactive cleanup materials shall be employed.
- d. The combined VOC emissions from P010 - P018, P021 - P059 and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (A styrene throughput operating restriction is not required for this emissions unit.)
- e. The combined PE from P012 - P018 and P021 - P028 shall be limited to 21.34 tons per year.

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II. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 1 to 3 inches of water while the emissions unit is in operation.

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information for each day for this emissions unit:
 - a. The company identification for each production material and each cleanup material employed.
 - b. An identification of whether or not each cleanup material employed is a photochemically reactive material.
 - c. The weight of each production material employed, in pounds.
 - d. The styrene content of each production material employed, in percent by weight.
 - e. The styrene throughput of all production materials, in pounds.
 - f. The total organic compound emission rate for all production materials, in pounds.
 - g. The actual number of hours that the emissions unit was in operation.
 - h. The average hourly organic compound emission rate for all production materials, i.e., (f) divided by (g), in pounds per hour (average).
 - i. The weight of each cleanup material dispensed, in pounds.
 - j. The weight of each cleanup material returned, in pounds.
 - k. The total organic compound emission rate for all cleanup materials, in pounds.
 - l. The total organic compound emission rate for all production materials and all cleanup materials, in pounds per day.
2. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a once per day basis when the emissions unit is in operation.
3. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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IV. **Reporting Requirements**

1. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
 - a. An identification of each day during which the average hourly OC emissions from the production materials exceeded 8 pounds per hour, and the actual average hourly OC emissions for each such day.
 - b. An identification of each day during which the OC emissions from the production materials exceeded 40 pounds per day, and the actual OC emissions for each such day.
 - c. An identification of each day during which the OC emissions from the production materials and the cleanup materials exceeded 50 pounds per day, and the actual OC emissions for each such day.
 - d. An identification of each day during which any photochemically reactive cleanup materials were employed.
 - e. An identification of each day during which the pressure drop across the baghouse did not comply with the allowable range specified in section A.II.1., and the actual pressure drops and periods of time for each such day.
 - f. An identification of each month during which the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.
2. The permittee shall submit annual reports which specify the total OC emissions and particulate emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year.
3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 of each year.

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V. **Testing Requirements**

1. Compliance with the allowable emission limitations in section A.I.1. of these terms and conditions shall be determined in accordance with the following methods:
 - a. Emission Limitation: 20% opacity of visible particulate emissions.

Applicable Compliance Method: Compliance shall be determined based upon OAC rule 3745-17-03(B)(1).
 - b. Emission Limitation: 0.21 lb PE/hr.

Applicable Compliance Method(s): To determine the actual worst case PE rate, the following equation shall be used:

$$EPE(\text{lbs/hr}) = \text{DSC} \times \text{EF} \times (1 - \text{CE}).$$
 where:

$$EPE(\text{lbs/hr}) = \text{maximum hourly PE rate, in pounds per hour.}$$
 DSC = the maximum, dry solids usage rate of the raw material, which is 1,734 pounds per hour, as noted in the application.

 EF = the emission factor for particulate emissions, which is 0.01 pound of uncontrolled PE per pound of available particulate matter content, as noted in AP-42 chapter 6.4 (5/83).

 CE = control efficiency of PE control device, 0.99 pounds of controlled PE per pound of uncontrolled PE, as specified in an application for PTI 02-8922.

 If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1-5.
 - c. Emission Limitation: 0.91 TPY PE.

Applicable Compliance Method: To determine the actual worst case rate for PE, the actual, hourly worst case emission rate as determined in section A.V.1.b. shall be multiplied by 8760 hrs/yr and divided by 2000 lbs/ton.
 - d. Emission Limitation: 21.34 TPY PE from production operations.

Applicable Compliance Method: To determine the worst case PE rate the following equation shall be used:

$$\text{PE (TPY)} = [\text{Summation of } EPEi(\text{lbs/hr})] \times 8760 \text{ hrs/yr} \times \text{ton}/2000 \text{ lbs.}$$

where:

PE (TPY) = maximum annual PE rate for P012-P018 and P021-P028, in tons per year.

i = an individual emissions unit from the following group of emissions units: P012-P018 and P021-P028.

EPE(lbs/hr) = maximum PE rate, in pounds per hour, as noted in section A.V.1.b. for each specified emissions unit.

- e. Emission Limitation: 183.53 TPY VOC, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.

- f. Emission Limitation: 8 lbs OC/hr, excluding emissions from the cleanup materials.

Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.1.h. If required, the permittee shall demonstrate compliance with this emission limitation through emission tests, performed in accordance with 40 CFR Part 60, Appendix A, Method 18, 25 or 25A, as appropriate.

- g. Emission Limitation: 40 lbs OC/day, excluding emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be determined based upon the following:

- i. Determination of available styrene in the production materials:

AS(lbs/day) = Summation of (Pi x SCi).

where:

AS(lbs/day) = the available styrene, also the styrene throughput, in pounds per day.

Pi = the production rate of material i, in pounds per day.

SCi = the styrene content of material i, in pounds of available styrene per pound of production material.

- ii. Determination of organic compound emissions from production operations:

ES(lbs/day) = AS x EF.

where:

ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day.

EF = emission factor for styrene emissions from the open BMC mixers, which is 0.0125 pounds per pound of available styrene, as determined from emissions testing for P022, conducted on September 18, 1997.

- h. Emission Limitation: 50 lbs OC/day, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be determined based upon the following:

- i. Determination of daily emissions from cleanup operations, EC(lbs/day), shall be made in accordance with the following method(s):

EC(lbs/day) = Summation of [(WC/OUT - WC/IN)i

where:

EC(lbs/day) = the organic compound emissions from cleanup operations, in pounds per day.

WC/OUTi = weight of cleanup material i dispensed to work stations, in pounds per day.

WC/INi = weight of cleanup material i returned to solvent dispensing area, in pounds per day.

- ii. Determination of daily emissions from all operations, EOC(lbs/day), shall be determined in accordance with the following method(s):

EOC(lbs/day) = ES(lbs/day) + EC(lbs/day).

where:

ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day, as specified in section A.V.1.g.

- i. Emission Limitation: 9.13 TPY OC, including emissions from cleanup materials.

Applicable Compliance Method: To determine annual OC emissions from all materials, compliance shall be based on the sum of the daily OC emission rates from production materials and cleanup materials, EOC(lbs/day), as specified in section A.V.1.h. of this permit for the calendar year, divided by 2000 pounds/ton.

2. Any determination of organic compound content (percent by weight), solids content, or density of a material shall be based on the material as employed, including the addition of any thinner or viscosity reducer to the material. The permittee shall determine the composition of the material by formulation data supplied by the manufacturer or from data determined by an analysis of each material, as received, by U.S. EPA Reference Method 24 as referenced in 40 CFR Part 60, Appendix A. If formulation data is employed, the Ohio EPA may require the permittee to have a Reference Method 24 analysis or an equivalent, alternative method (as approved by Ohio EPA) performed on the material(s).

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0204000133 Emissions Unit ID: P021 Issuance type: Title V Preliminary Proposed Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. **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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

	<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
2. Additional Terms and Conditions			
1.	None		

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II. **Operational Restrictions**

1. None

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III. **Monitoring and/or Record Keeping Requirements**

1. None

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IV. **Reporting Requirements**

1. None

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V. **Testing Requirements**

1. None

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0204000133 Emissions Unit ID: P022 Issuance type: Title V Preliminary Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. 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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Bulk mold compound mixer 2 with a baghouse to control particulate emissions	OAC rule 3745-17-07(A)	Visible particulate emissions from this emissions unit shall not exceed 20% opacity as a 6-minute average, except as specified by rule.
	OAC rule 3745-17-11	Particulate emissions (PE) shall not exceed 2.29 lbs/hr. See section A.I.2.a. below.
	OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8 lbs/hr and 40 lbs/day from the production operation. See sections A.I.2.b. and A.I.2.c. below.
	OAC rule 3745-31-05(D) PTI 02-11793	See sections A.I.2.d. and A.I.2.e. below.
	OAC rule 3745-31-05(A)(3) PTI 02-11793	Particulate emissions (PE) shall not exceed 0.10 lb/hr and 0.44 tons/year. Organic compound (OC) emissions shall not exceed 50 lbs/day and 9.13 tons/year, including emissions from the cleanup materials.

2. Additional Terms and Conditions

- a. The emission limit specified in this rule is less stringent than the limit established pursuant to OAC rule 3745-31-05(A)(3).
- b. The emissions of organic materials from the production operation consist of styrene, a photochemically reactive material as defined in OAC rule 3745-21-01(C)(5).
- c. Only nonphotochemically reactive cleanup materials shall be employed.
- d. The combined VOC emissions from P010 - P018, P021 - P059 and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (A styrene throughput operating restriction is not required for this emissions unit.)
- e. The combined PE from P012 - P018 and P021 - P028 shall be limited to 21.34 tons per year.

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II. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 1 to 3 inches of water while the emissions unit is in operation.

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information for each day for this emissions unit:

- a. The company identification for each production material and each cleanup material employed.
 - b. An identification of whether or not each cleanup material employed is a photochemically reactive material.
 - c. The weight of each production material employed, in pounds.
 - d. The styrene content of each production material employed, in percent by weight.
 - e. The styrene throughput of all production materials, in pounds.
 - f. The total organic compound emission rate for all production materials, in pounds.
 - g. The actual number of hours that the emissions unit was in operation.
 - h. The average hourly organic compound emission rate for all production materials, i.e., (f) divided by (g), in pounds per hour (average).
 - i. The weight of each cleanup material dispensed, in pounds.
 - j. The weight of each cleanup material returned, in pounds.
 - k. The total organic compound emission rate for all cleanup materials, in pounds.
 - l. The total organic compound emission rate for all production materials and all cleanup materials, in pounds per day.
2. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a once per day basis when the emissions unit is in operation.
3. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
 - a. An identification of each day during which the average hourly OC emissions from the production materials exceeded 8 pounds per hour, and the actual average hourly OC emissions for each such day.
 - b. An identification of each day during which the OC emissions from the production materials exceeded 40 pounds per day, and the actual OC emissions for each such day.
 - c. An identification of each day during which the OC emissions from the production materials and the cleanup materials exceeded 50 pounds per day, and the actual OC emissions for each such day.
 - d. An identification of each day during which any photochemically reactive cleanup materials were employed.
 - e. An identification of each day during which the pressure drop across the baghouse did not comply with the allowable range specified in section A.II.1., and the actual pressure drops and periods of time for each such day.
 - f. An identification of each month during which the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.
2. The permittee shall submit annual reports which specify the total OC emissions and particulate emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year.
3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 of each year.

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V. Testing Requirements

1. Compliance with the allowable emission limitations in section A.I.1. of these terms and conditions shall be determined in accordance with the following methods:
 - a. Emission Limitation: 20% opacity of visible particulate emissions.

Applicable Compliance Method: Compliance shall be determined based upon OAC rule 3745-17-03(B) (1).

- b. Emission Limitation: 0.10 lb PE/hr.
- Applicable Compliance Method(s): To determine the actual worst case PE rate, the following equation shall be used:
- $$\text{EPE}(\text{lbs/hr}) = \text{DSC} \times \text{EF} \times (1 - \text{CE}).$$
- where:
 EPE(lbs/hr) = maximum hourly PE rate, in pounds per hour.
- DSC = the maximum, dry solids usage rate of the raw material, which is 838.1 pounds per hour, as noted in the application.
- EF = the emission factor for particulate emissions, which is 0.01 pound of uncontrolled PE per pound of available particulate matter content, as noted in AP-42 chapter 6.4 (5/83).
- CE = control efficiency of PE control device, 0.99 pounds of controlled PE per pound of uncontrolled PE, as specified in an application for PTI 02-8922.
- If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1-5.
- c. Emission Limitation: 0.44 TPY PE.
- Applicable Compliance Method: To determine the actual worst case rate for PE, the actual, hourly worst case emission rate as determined in section A.V.1.b. shall be multiplied by 8760 hrs/yr and divided by 2000 lbs/ton.
- d. Emission Limitation: 21.34 TPY PE from production operations.
- Applicable Compliance Method: To determine the worst case PE rate the following equation shall be used:
- $$\text{PE (TPY)} = [\text{Summation of EPE}_i(\text{lbs/hr})] \times 8760 \text{ hrs/yr} \times \text{ton}/2000 \text{ lbs.}$$
- where:
 PE (TPY) = maximum annual PE rate for P012-P018 and P021-P028, in tons per year.
- i = an individual emissions unit from the following group of emissions units: P012-P018 and P021-P028.
- EPE(lbs/hr) = maximum PE rate, in pounds per hour, as noted in section A.V.1.b. for each specified emissions unit.
- e. Emission Limitation: 183.53 TPY VOC, including emissions from cleanup materials.
- Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.
- f. Emission Limitation: 8 lbs OC/hr, excluding emissions from the cleanup materials.
- Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.1.h. If required, the permittee shall demonstrate compliance with this emission limitation through emission tests, performed in accordance with 40 CFR Part 60, Appendix A, Method 18, 25 or 25A, as appropriate.
- g. Emission Limitation: 40 lbs OC/day, excluding emissions from cleanup materials.
- Applicable Compliance Method: Compliance shall be determined based upon the following:
- i. Determination of available styrene in the production materials:
- $$\text{AS}(\text{lbs/day}) = \text{Summation of } (\text{P}_i \times \text{SC}_i).$$
- where:
 AS(lbs/day) = the available styrene, also the styrene throughput, in pounds per day.
- P_i = the production rate of material i, in pounds per day.
- SC_i = the styrene content of material i, in pounds of available styrene per pound of production material.
- ii. Determination of organic compound emissions from production operations:
- $$\text{ES}(\text{lbs/day}) = \text{AS} \times \text{EF}.$$
- where:
 ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day.
- EF = emission factor for styrene emissions from the open BMC mixers, which is 0.0125 pounds per pound of available styrene, as determined from emissions testing for P022, conducted on September 18,

1997.

- h. Emission Limitation: 50 lbs OC/day, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be determined based upon the following:

- i. Determination of daily emissions from cleanup operations, EC(lbs/day), shall be made in accordance with the following method(s):

$$EC(lbs/day) = \text{Summation of } [(WC/OUT - WC/IN)_i]$$

where:

EC(lbs/day) = the organic compound emissions from cleanup operations, in pounds per day.

WC/OUT_i = weight of cleanup material i dispensed to work stations, in pounds per day.

WC/IN_i = weight of cleanup material i returned to solvent dispensing area, in pounds per day.

- ii. Determination of daily emissions from all operations, EOC(lbs/day), shall be determined in accordance with the following method(s):

$$EOC(lbs/day) = ES(lbs/day) + EC(lbs/day).$$

where:

ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day, as specified in section A.V.1.g.

- i. Emission Limitation: 9.13 TPY OC, including emissions from cleanup materials.

Applicable Compliance Method: To determine annual OC emissions from all materials, compliance shall be based on the sum of the daily OC emission rates from production materials and cleanup materials, EOC(lbs/day), as specified in section A.V.1.h. of this permit for the calendar year, divided by 2000 pounds/ton.

- 2. Any determination of organic compound content (percent by weight), solids content, or density of a material shall be based on the material as employed, including the addition of any thinner or viscosity reducer to the material. The permittee shall determine the composition of the material by formulation data supplied by the manufacturer or from data determined by an analysis of each material, as received, by U.S. EPA Reference Method 24 as referenced in 40 CFR Part 60, Appendix A. If formulation data is employed, the Ohio EPA may require the permittee to have a Reference Method 24 analysis or an equivalent, alternative method (as approved by Ohio EPA) performed on the material(s).

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 0204000133 Emissions Unit ID: P022 Issuance type: Title V Preliminary Proposed Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. **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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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- 2. **Additional Terms and Conditions**

- 1. None

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II. Operational Restrictions

- 1. None

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III. Monitoring and/or Record Keeping Requirements

- 1. None

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IV. Reporting Requirements

- 1. None

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V. Testing Requirements

- 1. None

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VI. Miscellaneous Requirements

- 1. None

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Facility ID: 0204000133 Emissions Unit ID: P023 Issuance type: Title V Preliminary Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. 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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Bulk mold compound mixer 3 with a baghouse to control particulate emissions	OAC rule 3745-17-07(A)	Visible particulate emissions from this emissions unit shall not exceed 20% opacity as a 6-minute average, except as specified by rule.
	OAC rule 3745-17-11	Particulate emissions (PE) shall not exceed 2.29 lbs/hr. See section A.I.2.a. below.
	OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8 lbs/hr and 40 lbs/day from the production operation. See sections A.I.2.b. and A.I.2.c. below.
	OAC rule 3745-31-05(D) PTI 02-11793	See sections A.I.2.d. and A.I.2.e. below.
	OAC rule 3745-31-05(A)(3) PTI 02-11793	Particulate emissions (PE) shall not exceed 0.10 lb/hr and 0.44 tons/year. Organic compound (OC) emissions shall not exceed 50

lbs/day and 9.13 tons/year, including emissions from the cleanup materials.

2. Additional Terms and Conditions

- a. The emission limit specified in this rule is less stringent than the limit established pursuant to OAC rule 3745-31-05(A)(3).
- b. The emissions of organic materials from the production operation consist of styrene, a photochemically reactive material as defined in OAC rule 3745-21-01(C)(5).
- c. Only nonphotochemically reactive cleanup materials shall be employed.
- d. The combined VOC emissions from P010 - P018, P021 - P059 and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (A styrene throughput operating restriction is not required for this emissions unit.)
- e. The combined PE from P012 - P018 and P021 - P028 shall be limited to 21.34 tons per year.

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II. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 1 to 3 inches of water while the emissions unit is in operation.

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information for each day for this emissions unit:
 - a. The company identification for each production material and each cleanup material employed.
 - b. An identification of whether or not each cleanup material employed is a photochemically reactive material.
 - c. The weight of each production material employed, in pounds.
 - d. The styrene content of each production material employed, in percent by weight.
 - e. The styrene throughput of all production materials, in pounds.
 - f. The total organic compound emission rate for all production materials, in pounds.
 - g. The actual number of hours that the emissions unit was in operation.
 - h. The average hourly organic compound emission rate for all production materials, i.e., (f) divided by (g), in pounds per hour (average).
 - i. The weight of each cleanup material dispensed, in pounds.
 - j. The weight of each cleanup material returned, in pounds.
 - k. The total organic compound emission rate for all cleanup materials, in pounds.
 - l. The total organic compound emission rate for all production materials and all cleanup materials, in pounds per day.
2. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a once per day basis when the emissions unit is in operation.
3. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
 - a. An identification of each day during which the average hourly OC emissions from the production materials exceeded 8 pounds per hour, and the actual average hourly OC emissions for each such day.
 - b. An identification of each day during which the OC emissions from the production materials exceeded 40 pounds per day, and the actual OC emissions for each such day.

- c. An identification of each day during which the OC emissions from the production materials and the cleanup materials exceeded 50 pounds per day, and the actual OC emissions for each such day.
 - d. An identification of each day during which any photochemically reactive cleanup materials were employed.
 - e. An identification of each day during which the pressure drop across the baghouse did not comply with the allowable range specified in section A.II.1., and the actual pressure drops and periods of time for each such day.
 - f. An identification of each month during which the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.
- 2. The permittee shall submit annual reports which specify the total OC emissions and particulate emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year.
 - 3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 of each year.

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V. Testing Requirements

- 1. Compliance with the allowable emission limitations in section A.I.1. of these terms and conditions shall be determined in accordance with the following methods:
 - a. Emission Limitation: 20% opacity of visible particulate emissions.

Applicable Compliance Method: Compliance shall be determined based upon OAC rule 3745-17-03(B) (1).
 - b. Emission Limitation: 0.10 lb PE/hr.

Applicable Compliance Method(s): To determine the actual worst case PE rate, the following equation shall be used:

$$EPE(\text{lbs/hr}) = \text{DSC} \times \text{EF} \times (1 - \text{CE}).$$

where:
 EPE(lbs/hr) = maximum hourly PE rate, in pounds per hour.

DSC = the maximum, dry solids usage rate of the raw material, which is 838.1 pounds per hour, as noted in the application.

EF = the emission factor for particulate emissions, which is 0.01 pound of uncontrolled PE per pound of available particulate matter content, as noted in AP-42 chapter 6.4 (5/83).

CE = control efficiency of PE control device, 0.99 pounds of controlled PE per pound of uncontrolled PE, as specified in an application for PTI 02-8922.

If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1-5.
 - c. Emission Limitation: 0.44 TPY PE.

Applicable Compliance Method: To determine the actual worst case rate for PE, the actual, hourly worst case emission rate as determined in section A.V.1.b. shall be multiplied by 8760 hrs/yr and divided by 2000 lbs/ton.
 - d. Emission Limitation: 21.34 TPY PE from production operations.

Applicable Compliance Method: To determine the worst case PE rate the following equation shall be used:

$$\text{PE (TPY)} = [\text{Summation of } EPE_i(\text{lbs/hr})] \times 8760 \text{ hrs/yr} \times \text{ton}/2000 \text{ lbs}.$$

where:
 PE (TPY) = maximum annual PE rate for P012-P018 and P021-P028, in tons per year.

i = an individual emissions unit from the following group of emissions units: P012-P018 and P021-P028.

EPE(lbs/hr) = maximum PE rate, in pounds per hour, as noted in section A.V.1.b. for each specified emissions unit.
 - e. Emission Limitation: 183.53 TPY VOC, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.

- f. Emission Limitation: 8 lbs OC/hr, excluding emissions from the cleanup materials.

Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.1.h. If required, the permittee shall demonstrate compliance with this emission limitation through emission tests, performed in accordance with 40 CFR Part 60, Appendix A, Method 18, 25 or 25A, as appropriate.

- g. Emission Limitation: 40 lbs OC/day, excluding emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be determined based upon the following:

- i. Determination of available styrene in the production materials:

$AS(\text{lbs/day}) = \text{Summation of } (P_i \times SC_i)$.

where:

AS(lbs/day) = the available styrene, also the styrene throughput, in pounds per day.

P_i = the production rate of material i, in pounds per day.

SC_i = the styrene content of material i, in pounds of available styrene per pound of production material.

- ii. Determination of organic compound emissions from production operations:

$ES(\text{lbs/day}) = AS \times EF$.

where:

ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day.

EF = emission factor for styrene emissions from the open BMC mixers, which is 0.0125 pounds per pound of available styrene, as determined from emissions testing for P022, conducted on September 18, 1997.

- h. Emission Limitation: 50 lbs OC/day, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be determined based upon the following:

- i. Determination of daily emissions from cleanup operations, EC(lbs/day), shall be made in accordance with the following method(s):

$EC(\text{lbs/day}) = \text{Summation of } [(WC/OUT - WC/IN)_i]$

where:

EC(lbs/day) = the organic compound emissions from cleanup operations, in pounds per day.

WC/OUT_i = weight of cleanup material i dispensed to work stations, in pounds per day.

WC/IN_i = weight of cleanup material i returned to solvent dispensing area, in pounds per day.

- ii. Determination of daily emissions from all operations, EOC(lbs/day), shall be determined in accordance with the following method(s):

$EOC(\text{lbs/day}) = ES(\text{lbs/day}) + EC(\text{lbs/day})$.

where:

ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day, as specified in section A.V.1.g.

- i. Emission Limitation: 9.13 TPY OC, including emissions from cleanup materials.

Applicable Compliance Method: To determine annual OC emissions from all materials, compliance shall be based on the sum of the daily OC emission rates from production materials and cleanup materials, EOC(lbs/day), as specified in section A.V.1.h. of this permit for the calendar year, divided by 2000 pounds/ton.

2. Any determination of organic compound content (percent by weight), solids content, or density of a material shall be based on the material as employed, including the addition of any thinner or viscosity reducer to the material. The permittee shall determine the composition of the material by formulation data supplied by the manufacturer or from data determined by an analysis of each material, as received, by U.S. EPA Reference Method 24 as referenced in 40 CFR Part 60, Appendix A. If formulation data is employed, the Ohio EPA may require the permittee to have a Reference Method 24 analysis or an equivalent, alternative method (as approved by Ohio EPA) performed on the material(s).

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 0204000133 Emissions Unit ID: P023 Issuance type: Title V Preliminary Proposed Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. **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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
2. Additional Terms and Conditions		
1. None		

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II. **Operational Restrictions**

- 1. None

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III. **Monitoring and/or Record Keeping Requirements**

- 1. None

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IV. **Reporting Requirements**

- 1. None

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V. **Testing Requirements**

- 1. None

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 0204000133 Emissions Unit ID: P024 Issuance type: Title V Preliminary Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. 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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Bulk mold compound mixer 4 with a baghouse to control particulate emissions	OAC rule 3745-17-07(A)	Visible particulate emissions from this emissions unit shall not exceed 20% opacity as a 6-minute average, except as specified by rule.
	OAC rule 3745-17-11	Particulate emissions (PE) shall not exceed 2.29 lbs/hr. See section A.I.2.a. below.
	OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8 lbs/hr and 40 lbs/day from the production operation. See sections A.I.2.b. and A.I.2.c. below.
	OAC rule 3745-31-05(D) PTI 02-11793	See sections A.I.2.d. and A.I.2.e. below.
	OAC rule 3745-31-05(A)(3) PTI 02-11793	Particulate emissions (PE) shall not exceed 0.10 lb/hr and 0.44 tons/year. Organic compound (OC) emissions shall not exceed 50 lbs/day and 9.13 tons/year, including emissions from the cleanup materials.

2. Additional Terms and Conditions

- a. The emission limit specified in this rule is less stringent than the limit established pursuant to OAC rule 3745-31-05(A)(3).
- b. The emissions of organic materials from the production operation consist of styrene, a photochemically reactive material as defined in OAC rule 3745-21-01(C)(5).
- c. Only nonphotochemically reactive cleanup materials shall be employed.
- d. The combined VOC emissions from P010 - P018, P021 - P059 and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (A styrene throughput operating restriction is not required for this emissions unit.)
- e. The combined PE from P012 - P018 and P021 - P028 shall be limited to 21.34 tons per year.

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II. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 1 to 3 inches of water while the emissions unit is in operation.

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information for each day for this emissions unit:
 - a. The company identification for each production material and each cleanup material employed.
 - b. An identification of whether or not each cleanup material employed is a photochemically reactive material.
 - c. The weight of each production material employed, in pounds.
 - d. The styrene content of each production material employed, in percent by weight.
 - e. The styrene throughput of all production materials, in pounds.

- f. The total organic compound emission rate for all production materials, in pounds.
 - g. The actual number of hours that the emissions unit was in operation.
 - h. The average hourly organic compound emission rate for all production materials, i.e., (f) divided by (g), in pounds per hour (average).
 - i. The weight of each cleanup material dispensed, in pounds.
 - j. The weight of each cleanup material returned, in pounds.
 - k. The total organic compound emission rate for all cleanup materials, in pounds.
 - l. The total organic compound emission rate for all production materials and all cleanup materials, in pounds per day.
2. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a once per day basis when the emissions unit is employed.
 3. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
 - a. An identification of each day during which the average hourly OC emissions from the production materials exceeded 8 pounds per hour, and the actual average hourly OC emissions for each such day.
 - b. An identification of each day during which the OC emissions from the production materials exceeded 40 pounds per day, and the actual OC emissions for each such day.
 - c. An identification of each day during which the OC emissions from the production materials and the cleanup materials exceeded 50 pounds per day, and the actual OC emissions for each such day.
 - d. An identification of each day during which any photochemically reactive cleanup materials were employed.
 - e. An identification of each day during which the pressure drop across the baghouse did not comply with the allowable range specified in section A.II.1., and the actual pressure drops and periods of time for each such day.
 - f. An identification of each month during which the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.
2. The permittee shall submit annual reports which specify the total OC emissions and particulate emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year.
3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 of each year.

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V. Testing Requirements

1. Compliance with the allowable emission limitations in section A.I.1. of these terms and conditions shall be determined in accordance with the following methods:
 - a. Emission Limitation: 20% opacity of visible particulate emissions.

Applicable Compliance Method: Compliance shall be determined based upon OAC rule 3745-17-03(B) (1).
 - b. Emission Limitation: 0.10 lb PE/hr.

Applicable Compliance Method(s): To determine the actual worst case PE rate, the following equation shall be used:

$$EPE(\text{lbs/hr}) = \text{DSC} \times \text{EF} \times (1 - \text{CE}).$$

where:
EPE(lbs/hr) = maximum hourly PE rate, in pounds per hour.

DSC = the maximum, dry solids usage rate of the raw material, which is 838.1 pounds per hour, as noted in the application.

EF = the emission factor for particulate emissions, which is 0.01 pound of uncontrolled PE per pound of available particulate matter content, as noted in AP-42 chapter 6.4 (5/83).

CE = control efficiency of PE control device, 0.99 pounds of controlled PE per pound of uncontrolled PE, as specified in an application for PTI 02-8922.

If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1-5.

c. Emission Limitation: 0.44 TPY PE.

Applicable Compliance Method: To determine the actual worst case rate for PE, the actual, hourly worst case emission rate as determined in section A.V.1.b. shall be multiplied by 8760 hrs/yr and divided by 2000 lbs/ton.

d. Emission Limitation: 21.34 TPY PE from production operations.

Applicable Compliance Method: To determine the worst case PE rate the following equation shall be used:

$$PE \text{ (TPY)} = [\text{Summation of } EPE_i \text{ (lbs/hr)}] \times 8760 \text{ hrs/yr} \times \text{ton}/2000 \text{ lbs.}$$

where:

PE (TPY) = maximum annual PE rate for P012-P018 and P021-P028, in tons per year.

i = an individual emissions unit from the following group of emissions units: P012-P018 and P021-P028.

EPE(lbs/hr) = maximum PE rate, in pounds per hour, as noted in section A.V.1.b. for each specified emissions unit.

e. Emission Limitation: 183.53 TPY VOC, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.

f. Emission Limitation: 8 lbs OC/hr, excluding emissions from the cleanup materials.

Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.1.h. If required, the permittee shall demonstrate compliance with this emission limitation through emission tests, performed in accordance with 40 CFR Part 60, Appendix A, Method 18, 25 or 25A, as appropriate.

g. Emission Limitation: 40 lbs OC/day, excluding emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be determined based upon the following:

i. Determination of available styrene in the production materials:

$$AS \text{ (lbs/day)} = \text{Summation of } (P_i \times SC_i).$$

where:

AS(lbs/day) = the available styrene, also the styrene throughput, in pounds per day.

P_i = the production rate of material i, in pounds per day.

SC_i = the styrene content of material i, in pounds of available styrene per pound of production material.

ii. Determination of organic compound emissions from production operations:

$$ES \text{ (lbs/day)} = AS \times EF.$$

where:

ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day.

EF = emission factor for styrene emissions from the open BMC mixers, which is 0.0125 pounds per pound of available styrene, as determined from emissions testing for P022, conducted on September 18, 1997.

h. Emission Limitation: 50 lbs OC/day, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be determined based upon the following:

i. Determination of daily emissions from cleanup operations, EC(lbs/day), shall be made in accordance with the following method(s):

EC(lbs/day) = Summation of [(WC/OUT - WC/IN)_i]

where:

EC(lbs/day) = the organic compound emissions from cleanup operations, in pounds per day.

WC/OUT_i = weight of cleanup material i dispensed to work stations, in pounds per day.

WC/IN_i = weight of cleanup material i returned to solvent dispensing area, in pounds per day.

ii. Determination of daily emissions from all operations, EOC(lbs/day), shall be determined in accordance with the following method(s):

EOC(lbs/day) = ES(lbs/day) + EC(lbs/day).

where:

ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day, as specified in section A.V.1.g.

i. Emission Limitation: 9.13 TPY OC, including emissions from cleanup materials.

Applicable Compliance Method: To determine annual OC emissions from all materials, compliance shall be based on the sum of the daily OC emission rates from production materials and cleanup materials, EOC(lbs/day), as specified in section A.V.1.h. of this permit for the calendar year, divided by 2000 pounds/ton.

2. Any determination of organic compound content (percent by weight), solids content, or density of a material shall be based on the material as employed, including the addition of any thinner or viscosity reducer to the material. The permittee shall determine the composition of the material by formulation data supplied by the manufacturer or from data determined by an analysis of each material, as received, by U.S. EPA Reference Method 24 as referenced in 40 CFR Part 60, Appendix A. If formulation data is employed, the Ohio EPA may require the permittee to have a Reference Method 24 analysis or an equivalent, alternative method (as approved by Ohio EPA) performed on the material(s).

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0204000133 Emissions Unit ID: P024 Issuance type: Title V Preliminary Proposed Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. **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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

	<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
2. Additional Terms and Conditions			
1.	None		

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II. **Operational Restrictions**

1. None

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III. **Monitoring and/or Record Keeping Requirements**

- 1. None

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IV. **Reporting Requirements**

- 1. None

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V. **Testing Requirements**

- 1. None

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 0204000133 Issuance type: Title V Preliminary Proposed Permit

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Facility ID: 0204000133 Emissions Unit ID: P025 Issuance type: Title V Preliminary Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. **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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Bulk mold compound (BMC) mixer 5 with a baghouse to control particulate emissions	OAC rule 3745-17-07(A)	Visible particulate emissions from this emissions unit shall not exceed 20% opacity as a 6-minute average, except as specified by rule.
	OAC rule 3745-17-11	Particulate emissions (PE) shall not exceed 8.46 lbs/hr. See section A.I.2.a. below.
	OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8 lbs/hr and 40 lbs/day from the production operation. See sections A.I.2.a., A.I.2.b. and A.I.2.c. below.
	OAC rule 3745-31-05(D) PTI 02-11793	See sections A.I.2.d. and A.I.2.e. below.
	OAC rule 3745-31-05(A)(3) PTI 02-11793	Particulate emissions (PE) shall not exceed 0.71 lb/hr and 3.10 ton/year. Organic compound (OC) emissions shall not exceed 7 lbs/day and 1.27 tons/year, including emissions from the cleanup materials.

2. **Additional Terms and Conditions**

- a. The emission limit(s) based on this applicable rule is (are) less stringent than the limit specified in OAC rule 3745-31-05(A)(3).
- b. The emissions of organic materials from the production operation consist of styrene, a photochemically reactive material as defined in OAC rule 3745-21-01(C)(5).

- c. Only nonphotochemically reactive cleanup materials shall be employed.
- d. The combined VOC emissions from P010 - P018, P021 - P059 and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (This limitation is equivalent to the daily styrene throughput restriction.)
- e. The combined PE from P012 - P018 and P021 - P028 shall be limited to 21.34 tons per year.

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II. Operational Restrictions

1. The maximum styrene throughput for this emissions unit shall not exceed 7,000 lbs/day.
2. The pressure drop across the baghouse shall be maintained within the range of 1 to 3 inches of water while the emissions unit is in operation.

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information for each day for this emissions unit:
 - a. The company identification for each production material and each cleanup material employed.
 - b. An identification of whether or not each cleanup material employed is a photochemically reactive material.
 - c. The weight of each production material employed, in pounds.
 - d. The styrene content of each production material employed, in percent by weight.
 - e. The styrene throughput of all production materials, in pounds.
 - f. The total organic compound emission rate for all production materials, in pounds.
 - g. The actual number of hours that the emissions unit was in operation.
 - h. The average hourly organic compound emission rate for all production materials, i.e., (f) divided by (g), in pounds per hour (average).
 - i. The weight of each cleanup material dispensed, in pounds.
 - j. The weight of each cleanup material returned, in pounds.
 - k. The total organic compound emission rate for all cleanup materials, in pounds.
 - l. The total organic compound emission rate for all production materials and all cleanup materials, in pounds per day.
2. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a once per day basis when the emissions unit is in operation.
3. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
 - a. An identification of each day during which the average hourly OC emissions from the production materials exceeded 8 pounds per hour, and the actual average hourly OC emissions for each such day.
 - b. An identification of each day during which the OC emissions from the production materials exceeded 40 pounds per day, and the actual OC emissions for each such day.
 - c. An identification of each day during which the OC emissions from the production materials and the cleanup materials exceeded 7 pounds per day, and the actual OC emissions for each such day.
 - d. An identification of each day during which any photochemically reactive cleanup materials were employed.
 - e. An identification of each day during which the styrene throughput exceeded 7,000 pounds per day, and

the actual styrene throughput for each such day.

- f. An identification of each day during which the pressure drop across the baghouse did not comply with the allowable range specified in section A.II.2., and the actual pressure drops and periods of time for each such day.
 - g. An identification of each month during which the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.
2. The permittee shall submit annual reports which specify the total OC emissions and particulate emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year.
 3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 of each year.

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V. Testing Requirements

1. Compliance with the allowable emission limitations in section A.I.1. of these terms and conditions shall be determined in accordance with the following methods:
 - a. Emission Limitation: 20% opacity of visible particulate emissions.

Applicable Compliance Method: Compliance shall be determined based upon OAC rule 3745-17-03(B) (1).
 - b. Emission Limitation: 0.71 lb PE/hr.

Applicable Compliance Method(s): To determine the actual worst case PE rate, the following equation shall be used:

$$EPE(\text{lbs/hr}) = \text{DSC} \times \text{EF} \times (1 - \text{CE}).$$

where:
EPE(lbs/hr) = maximum hourly PE rate, in pounds per hour.

DSC = the maximum, dry solids usage rate of the raw material, which is 5900 pounds per hour, as noted in the application.

EF = the emission factor for particulate emissions, which is 0.01 pound of uncontrolled PE per pound of available particulate matter content, as noted in AP-42 chapter 6.4 (5/83).

CE = control efficiency of PE control device, 0.99 pounds of controlled PE per pound of uncontrolled PE, as specified in an application for PTI 02-8922.

If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1-5.
 - c. Emission Limitation: 3.10 TPY PE

Applicable Compliance Method: To determine the actual worst case rate for PE, the actual, hourly, worst case emission rate as determined in section A.V.1.b. shall be multiplied by 8760 hrs/yr and divided by 2000 lbs/ton.
 - d. Emission Limitation: 21.34 TPY PE from production operations

Applicable Compliance Method: To determine the worst case PE rate the following equation shall be used:

$$PE(\text{TPY}) = [\text{Summation of } EPE_i(\text{lbs/hr})] \times 8760 \text{ hrs/yr} \times \text{ton}/2000 \text{ lbs}.$$

where:
PE (TPY) = maximum annual PE rate for P012-P018 and P021-P028, in tons per year.

i = an individual emissions unit from the following group of emissions units: P012-P018 and P021-P028.

EPE(lbs/hr) = maximum PE rate, in pounds per hour, as noted in section A.V.1.b. for each specified emissions unit.
 - e. Emission Limitation: 183.53 TPY VOC from all operations

Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.

- f. Emission Limitation: 8 lbs OC/hr, excluding emissions from cleanup materials.
- Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.1.h. If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Method 18, 25 or 25A, as appropriate.
- g. Emission Limitation: 40 lbs OC/day, excluding emissions from the cleanup materials.
- Applicable Compliance Method: Compliance shall be based on the following:
- i. Determination of available styrene in the production materials:
- $$AS(\text{lbs/day}) = \text{Summation of } (P_i \times SC_i)$$
- where:
 AS(lbs/day) = the available styrene, also the styrene throughput, in pounds per day.
 P_i = the production rate of material i, in pounds per day.
 SC_i = the styrene content of material i, in pounds of available styrene per pound of production material.
- ii. Determination of organic compound emissions from production operations:
- $$ES(\text{lbs/day}) = AS \times EF$$
- where:
 ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day.
 EF = emission factor for styrene emissions from closed BMC mixers, which is 0.001 pounds per pound of available styrene, as determined from engineering estimates.
- h. Emission Limitation: 7 lbs OC/day, including emissions from cleanup materials.
- Applicable Compliance Method: Compliance shall be determined based upon the following:
- i. Determination of daily emissions from cleanup operations, EC(lbs/day), shall be made in accordance with the following method(s):
- $$EC(\text{lbs/day}) = \text{Summation of } [(WC/OUT - WC/IN)_i]$$
- where:
 EC(lbs/day) = the organic compound emissions from cleanup operations, in pounds per day.
 WC/OUT_i = weight of cleanup material i dispensed to work stations, in pounds per day.
 WC/IN_i = weight of cleanup material i returned to solvent dispensing area, in pounds per day.
- ii. Determination of daily emissions from all operations, EOC(lbs/day), shall be determined in accordance with the following method(s):
- $$EOC(\text{lbs/day}) = ES(\text{lbs/day}) + EC(\text{lbs/day})$$
- where:
 ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day, as specified in section A.V.1.g.
- i. Emission Limitation: 1.27 TPY OC, including emissions from cleanup materials.
- Applicable Compliance Method: To determine annual OC emissions from all materials, compliance shall be based on the sum of the daily OC emission rates from production materials and cleanup materials, EOC(lbs/day), as specified in section A.V.1.h. of this permit for the calendar year, divided by 2000 pounds/ton.
2. Any determination of organic compound content (percent by weight), solids content, or density of a material shall be based on the material as employed, including the addition of any thinner or viscosity reducer to the material. The permittee shall determine the composition of the material by formulation data supplied by the manufacturer or from data determined by an analysis of each material, as received, by U.S. EPA Reference Method 24 as referenced in 40 CFR Part 60, Appendix A. If formulation data is employed, the Ohio EPA may require the permittee to have a Reference Method 24 analysis or an equivalent, alternative method (as approved by Ohio EPA) performed on the material(s).

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0204000133 Emissions Unit ID: P025 Issuance type: Title V Preliminary Proposed Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. 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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
2. Additional Terms and Conditions		
1. None		

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II. Operational Restrictions

- 1. None

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III. Monitoring and/or Record Keeping Requirements

- 1. None

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IV. Reporting Requirements

- 1. None

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V. Testing Requirements

- 1. None

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VI. Miscellaneous Requirements

- 1. None

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Facility ID: 0204000133 Emissions Unit ID: P026 Issuance type: Title V Preliminary Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. 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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Bulk mold compound (BMC) mixer 6 with a baghouse to control particulate emissions	OAC rule 3745-17-07(A)	Visible particulate emissions from this emissions unit shall not exceed 20% opacity as a 6-minute average, except as specified by rule.
	OAC rule 3745-17-11	Particulate emissions (PE) shall not exceed 8.46 lbs/hr. See section A.I.2.a. below.
	OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8 lbs/hr and 40 lbs/day from the production operation. See sections A.I.2.a., A.I.2.b. and A.I.2.c. below.
	OAC rule 3745-31-05(D) PTI 02-11793	See sections A.I.2.d. and A.I.2.e. below.
	OAC rule 3745-31-05(A)(3) PTI 02-11793	Particulate emissions (PE) shall not exceed 0.71 lb/hr and 3.10 ton/year. Organic compound (OC) emissions shall not exceed 7 lbs/day and 1.27 tons/year, including emissions from the cleanup materials.

2. Additional Terms and Conditions

- a. The emission limit(s) based on this applicable rule is (are) less stringent than the limit specified in OAC rule 3745-31-05(A)(3).
- b. The emissions of organic materials from the production operation consist of styrene, a photochemically reactive material as defined in OAC rule 3745-21-01(C)(5).
- c. Only nonphotochemically reactive cleanup materials shall be employed.
- d. The combined VOC emissions from P010 - P018, P021 - P059 and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (This limitation is equivalent to the daily styrene throughput restriction.)
- e. The combined PE from P012 - P018 and P021 - P028 shall be limited to 21.34 tons per year.

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II. Operational Restrictions

1. The maximum styrene throughput for this emissions unit shall not exceed 7,000 lbs/day.
2. The pressure drop across the baghouse shall be maintained within the range of 1 to 3 inches of water while the emissions unit is in operation.

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information for each day for this emissions unit:
 - a. The company identification for each production material and each cleanup material employed.
 - b. An identification of whether or not each cleanup material employed is a photochemically reactive material.
 - c. The weight of each production material employed, in pounds.
 - d. The styrene content of each production material employed, in percent by weight.
 - e. The styrene throughput of all production materials, in pounds.
 - f. The total organic compound emission rate for all production materials, in pounds.
 - g. The actual number of hours that the emissions unit was in operation.
 - h. The average hourly organic compound emission rate for all production materials, i.e., (f) divided by (g), in

pounds per hour (average).

- i. The weight of each cleanup material dispensed, in pounds.
 - j. The weight of each cleanup material returned, in pounds.
 - k. The total organic compound emission rate for all cleanup materials, in pounds.
 - l. The total organic compound emission rate for all production materials and all cleanup materials, in pounds per day.
2. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a once per day basis when the emissions unit is in operation.
 3. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
 - a. An identification of each day during which the average hourly OC emissions from the production materials exceeded 8 pounds per hour, and the actual average hourly OC emissions for each such day.
 - b. An identification of each day during which the OC emissions from the production materials exceeded 40 pounds per day, and the actual OC emissions for each such day.
 - c. An identification of each day during which the OC emissions from the production materials and the cleanup materials exceeded 7 pounds per day, and the actual OC emissions for each such day.
 - d. An identification of each day during which any photochemically reactive cleanup materials were employed.
 - e. An identification of each day during which the styrene throughput exceeded 7,000 pounds per day, and the actual styrene throughput for each such day.
 - f. An identification of each day during which the pressure drop across the baghouse did not comply with the allowable range specified in section A.II.2., and the actual pressure drops and periods of time for each such day.
 - g. An identification of each month during which the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.
2. The permittee shall submit annual reports which specify the total OC emissions and particulate emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year.
3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 of each year.

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V. Testing Requirements

1. Compliance with the allowable emission limitations in section A.I.1. of these terms and conditions shall be determined in accordance with the following methods:
 - a. Emission Limitation: 20% opacity of visible particulate emissions.

Applicable Compliance Method: Compliance shall be determined based upon OAC rule 3745-17-03(B) (1).
 - b. Emission Limitation: 0.71 lb PE/hr.

Applicable Compliance Method(s): To determine the actual worst case PE rate, the following equation shall be used:

$$EPE(\text{lbs/hr}) = \text{DSC} \times \text{EF} \times (1 - \text{CE}).$$

where:
 EPE(lbs/hr) = maximum hourly PE rate, in pounds per hour.

DSC = the maximum, dry solids usage rate of the raw material, which is 5900 pounds per hour, as noted in the application.

EF = the emission factor for particulate emissions, which is 0.01 pound of uncontrolled PE per pound of available particulate matter content, as noted in AP-42 chapter 6.4 (5/83).

CE = control efficiency of PE control device, 0.99 pounds of controlled PE per pound of uncontrolled PE, as specified in an application for PTI 02-8922.

If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1-5.

c. Emission Limitation: 3.10 TPY PE

Applicable Compliance Method: To determine the actual worst case rate for PE, the actual, hourly, worst case emission rate as determined in section A.V.1.b. shall be multiplied by 8760 hrs/yr and divided by 2000 lbs/ton.

d. Emission Limitation: 21.34 TPY PE from production operations

Applicable Compliance Method: To determine the worst case PE rate the following equation shall be used:

$$PE \text{ (TPY)} = [\text{Summation of } EPE_i \text{ (lbs/hr)}] \times 8760 \text{ hrs/yr} \times \text{ton}/2000 \text{ lbs.}$$

where:

PE (TPY) = maximum annual PE rate for P012-P018 and P021-P028, in tons per year.

i = an individual emissions unit from the following group of emissions units: P012-P018 and P021-P028.

EPE(lbs/hr) = maximum PE rate, in pounds per hour, as noted in section A.V.1.b. for each specified emissions unit.

e. Emission Limitation: 183.53 TPY VOC from all operations

Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.

f. Emission Limitation: 8 lbs OC/hr, excluding emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.1.h. If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Method 18, 25 or 25A, as appropriate.

g. Emission Limitation: 40 lbs OC/day, excluding emissions from the cleanup materials.

Applicable Compliance Method: Compliance shall be based on the following:

i. Determination of available styrene in the production materials:

$$AS \text{ (lbs/day)} = \text{Summation of } (P_i \times SC_i).$$

where:

AS(lbs/day) = the available styrene, also the styrene throughput, in pounds per day.

P_i = the production rate of material i, in pounds per day.

SC_i = the styrene content of material i, in pounds of available styrene per pound of production material.

ii. Determination of organic compound emissions from production operations:

$$ES \text{ (lbs/day)} = AS \times EF.$$

where:

ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day.

EF = emission factor for styrene emissions from closed BMC mixers, which is 0.001 pounds per pound of available styrene, as determined from engineering estimates.

h. Emission Limitation: 7 lbs OC/day, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be determined based upon the following:

i. Determination of daily emissions from cleanup operations, EC(lbs/day), shall be made in accordance with the following method(s):

$$EC \text{ (lbs/day)} = \text{Summation of } [(WC/OUT - WC/IN)_i]$$

where:

EC(lbs/day) = the organic compound emissions from cleanup operations, in pounds per day.

WC/OUT_i = weight of cleanup material *i* dispensed to work stations, in pounds per day.

WC/IN_i = weight of cleanup material *i* returned to solvent dispensing area, in pounds per day.

ii. Determination of daily emissions from all operations, EOC(lbs/day), shall be determined in accordance with the following method(s):

$$EOC(\text{lbs/day}) = ES(\text{lbs/day}) + EC(\text{lbs/day}).$$

where:

ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day, as specified in section A.V.1.g.

i. mission Limitation: 1.27 TPY OC, including emissions from cleanup materials.

Applicable Compliance Method: To determine annual OC emissions from all materials, compliance shall be based on the sum of the daily OC emission rates from production materials and cleanup materials, EOC(lbs/day), as specified in section A.V.1.h. of this permit for the calendar year, divided by 2000 pounds/ton.

2. Any determination of organic compound content (percent by weight), solids content, or density of a material shall be based on the material as employed, including the addition of any thinner or viscosity reducer to the material. The permittee shall determine the composition of the material by formulation data supplied by the manufacturer or from data determined by an analysis of each material, as received, by U.S. EPA Reference Method 24 as referenced in 40 CFR Part 60, Appendix A. If formulation data is employed, the Ohio EPA may require the permittee to have a Reference Method 24 analysis or an equivalent, alternative method (as approved by Ohio EPA) performed on the material(s).

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0204000133 Emissions Unit ID: P026 Issuance type: Title V Preliminary Proposed Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. **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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
2. Additional Terms and Conditions		
1. None		

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II. **Operational Restrictions**

1. None

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III. **Monitoring and/or Record Keeping Requirements**

- 1. None

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IV. Reporting Requirements

- 1. None

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V. Testing Requirements

- 1. None

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VI. Miscellaneous Requirements

- 1. None

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Facility ID: 0204000133 Issuance type: Title V Preliminary Proposed Permit

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Facility ID: 0204000133 Emissions Unit ID: P027 Issuance type: Title V Preliminary Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. 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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Bulk mold compound (BMC) mixers 1 & 2 with a baghouse to control particulate emissions	OAC rule 3745-17-07(A)	Visible particulate emissions from this emissions unit shall not exceed 20% opacity as a 6-minute average, except as specified by rule.
	OAC rule 3745-17-11	Particulate emissions (PE) shall not exceed 3.07 lbs/hr. See section A.I.2.a. below.
	OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8 lbs/hr and 40 lbs/day from the production operation. See sections A.I.2.a., A.I.2.b. and A.I.2.c. below.
	OAC rule 3745-31-05(D) PTI 02-11793	See sections A.I.2.d. and A.I.2.e. below.
	OAC rule 3745-31-05(A)(3) PTI 02-11793	Particulate emissions (PE) shall not exceed 0.48 lb/hr and 2.11 tons/year. Organic compound (OC) emissions shall not exceed 1.06 lbs/hr, 12.7 lbs/day and 2.33 tons/year, including emissions from the cleanup materials.

2. Additional Terms and Conditions

- a. The emission limit(s) based on this applicable rule is (are) less stringent than the limit specified in OAC rule 3745-31-05(A)(3).
- b. The emissions of organic materials from the production operation consist of styrene, a photochemically reactive material as defined in OAC rule 3745-21-01(C)(5).
- c. Only nonphotochemically reactive cleanup materials shall be employed.

- d. The combined VOC emissions from P010 - P018, P021 - P059 and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (This limitation is equivalent to the daily styrene throughput restriction.)
- e. The combined PE from P012 - P018 and P021 - P028 shall be limited to 21.34 tons per year.

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II. Operational Restrictions

1. The maximum styrene throughput for this emissions unit shall not exceed 12,700 lbs/day.
2. The pressure drop across the baghouse shall be maintained within the range of 1 to 3 inches of water while the emissions unit is in operation.

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information for each day for this emissions unit:
 - a. The company identification for each production material and each cleanup material employed.
 - b. An identification of whether or not each cleanup material employed is a photochemically reactive material.
 - c. The weight of each production material employed, in pounds.
 - d. The styrene content of each production material employed, in percent by weight.
 - e. The styrene throughput of all production materials, in pounds.
 - f. The total organic compound emission rate for all production materials, in pounds.
 - g. The actual number of hours that the emissions unit was in operation.
 - h. The average hourly organic compound emission rate for all production materials, i.e., (f) divided by (g), in pounds per hour (average).
 - i. The weight of each cleanup material dispensed, in pounds.
 - j. The weight of each cleanup material returned, in pounds.
 - k. The total organic compound emission rate for all cleanup materials, in pounds.
 - l. The total organic compound emission rate for all production materials and all cleanup materials, in pounds per day.
 - m. The average hourly organic compound emission rate for all production materials and all cleanup materials, i.e., (l) divided by (g), in pounds per hour (average).
2. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a once per shift basis.
3. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
 - a. An identification of each day during which the average hourly OC emissions from the production materials exceeded 8 pounds per hour, and the actual average hourly OC emissions for each such day.
 - b. An identification of each day during which the OC emissions from the production materials exceeded 40 pounds per day, and the actual OC emissions for each such day.
 - c. An identification of each day during which the average hourly OC emissions from the production materials and the cleanup materials exceeded 1.06 pounds per hour, and the actual average hourly OC emissions for each such day.
 - d. An identification of each day during which the OC emissions from the production materials and the cleanup materials exceeded 12.7 pounds per day, and the actual OC emissions for each such day.
 - e. An identification of each day during which any photochemically reactive cleanup materials were employed.

- f. An identification of each day during which the styrene throughput exceeded 12,700 pounds per day, and the actual styrene throughput for each such day.
- g. An identification of each day during which the pressure drop across the baghouse did not comply with the allowable range specified in section A.II.2., and the actual pressure drops and periods of time for each such day.
- h. An identification of each month during which the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.
2. The permittee shall submit annual reports which specify the total OC emissions and particulate emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year.
3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 of each year.

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V. **Testing Requirements**

1. Compliance with the allowable emission limitations in section A.I.1. of these terms and conditions shall be determined in accordance with the following methods:
- a. Emission Limitation: 20% opacity of visible particulate emissions.
- Applicable Compliance Method: Compliance shall be determined based upon OAC rule 3745-17-03(B) (1).
- b. Emission Limitation: 0.48 lb PE/hr.
- Applicable Compliance Method(s): To determine the actual worst case PE rate, the following equation shall be used:
- $$EPE(\text{lbs/hr}) = \text{DSC} \times \text{EF} \times (1 - \text{CE}).$$
- where:
EPE(lbs/hr) = maximum hourly PE rate, in pounds per hour.
- DSC = the maximum, dry solids usage rate of the raw material, which is 1300 pounds per hour, as noted in the application.
- EF = the emission factor for particulate emissions, which is 0.01 pound of uncontrolled PE per pound of available particulate matter content, as noted in AP-42 chapter 6.4 (5/83).
- CE = control efficiency of PE control device, 0.99 pounds of controlled PE per pound of uncontrolled PE, as specified in an application for PTI 02-8922.
- If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1-5.
- c. Emission Limitation: 2.11 TPY PE
- Applicable Compliance Method: To determine the actual worst case rate for PE, the actual, hourly, worst case emission rate as determined in section A.V.1.b. shall be multiplied by 8760 hrs/yr and divided by 2000 lbs/ton.
- d. Emission Limitation: 12.88 TPY PE from production operations
- Applicable Compliance Method: To determine the worst case PE rate the following equation shall be used:
- $$PE \text{ (TPY)} = [\text{Summation of } EPE_i(\text{lbs/hr})] \times 8760 \text{ hrs/yr} \times \text{ton}/2000 \text{ lbs}.$$
- where:
PE (TPY) = maximum annual PE rate for P012-P018 and P021-P028, in tons per year.
- i = an individual emissions unit from the following group of emissions units: P012-P018 and P021-P028.
- EPE(lbs/hr) = maximum PE rate, in pounds per hour, as noted in section A.V.1.b. for each specified emissions unit.
- e. Emission Limitation: 183.53 TPY VOC from all operations
- Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.

- f. Emission Limitation: 8 lbs OC/hr, excluding emissions from cleanup materials.
- Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.1.h. If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Method 18, 25 or 25A, as appropriate.
- g. Emission Limitation: 40 lbs OC/day, excluding emissions from the cleanup materials.
- Applicable Compliance Method: Compliance shall be based on the following:
- i. Determination of available styrene in the production materials:
- $$AS(\text{lbs/day}) = \text{Summation of } (P_i \times SC_i)$$
- where:
 $AS(\text{lbs/day})$ = the available styrene, also the styrene throughput, in pounds per day.
 P_i = the production rate of material i , in pounds per day.
 SC_i = the styrene content of material i , in pounds of available styrene per pound of production material.
- ii. Determination of organic compound emissions from production operations:
- $$ES(\text{lbs/day}) = AS \times EF$$
- where:
 $ES(\text{lbs/day})$ = the organic compound emissions as styrene from production operations, in pounds per day.
 EF = emission factor for styrene emissions from closed BMC mixers, which is 0.001 pounds per pound of available styrene, as determined from engineering estimates.
- h. Emission Limitation: 1.06 lbs OC/hr, including emissions from cleanup materials.
- Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.1.m. If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Method 18, 25 or 25A, as appropriate.
- i. Emission Limitation: 12.7 lbs OC/day, including emissions from cleanup materials.
- Applicable Compliance Method: Compliance shall be determined based upon the following:
- i. Determination of daily emissions from cleanup operations, $EC(\text{lbs/day})$, shall be made in accordance with the following method(s):
- $$EC(\text{lbs/day}) = \text{Summation of } [(WC/OUT - WC/IN)_i]$$
- where:
 $EC(\text{lbs/day})$ = the organic compound emissions from cleanup operations, in pounds per day.
 WC/OUT_i = weight of cleanup material i dispensed to work stations, in pounds per day.
 WC/IN_i = weight of cleanup material i returned to solvent dispensing area, in pounds per day.
- ii. Determination of daily emissions from all operations, $EOC(\text{lbs/day})$, shall be determined in accordance with the following method(s):
- $$EOC(\text{lbs/day}) = ES(\text{lbs/day}) + EC(\text{lbs/day})$$
- where:
 $ES(\text{lbs/day})$ = the organic compound emissions as styrene from production operations, in pounds per day, as specified in section A.V.1.g.
- j. Emission Limitation: 2.33 TPY OC, including emissions from cleanup materials.
- Applicable Compliance Method: To determine annual OC emissions from all materials, compliance shall be based on the sum of the daily OC emission rates from production materials and cleanup materials, $EOC(\text{lbs/day})$, as specified in section A.V.1.i. of this permit for the calendar year, divided by 2000 pounds/ton.
2. Any determination of organic compound content (percent by weight), solids content, or density of a material shall be based on the material as employed, including the addition of any thinner or viscosity reducer to the material. The permittee shall determine the composition of the material by formulation data supplied by the manufacturer or from data determined by an analysis of each material, as received, by U.S. EPA Reference Method 24 as referenced in 40 CFR Part 60, Appendix A. If formulation data is employed, the Ohio EPA may require the permittee to have a Reference Method 24 analysis or an equivalent, alternative method (as approved by Ohio EPA) performed on the material(s).

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 0204000133 Emissions Unit ID: P027 Issuance type: Title V Preliminary Proposed Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. **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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

	<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
2. Additional Terms and Conditions			
1.	None		

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II. **Operational Restrictions**

- 1. None

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III. **Monitoring and/or Record Keeping Requirements**

- 1. None

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IV. **Reporting Requirements**

- 1. None

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V. **Testing Requirements**

- 1. None

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 0204000133 Emissions Unit ID: P028 Issuance type: Title V Preliminary Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. 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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Two pilot plant dispersers for bulk mold compound (BMC) with a baghouse to control particulate emissions	OAC rule 3745-17-07(A)	Visible particulate emissions from this emissions unit shall not exceed 20% opacity as a 6-minute average, except as specified by rule.
	OAC rule 3745-17-11	Particulate emissions (PE) shall not exceed 2.34 lbs/hr. See section A.I.2.a. below.
	OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8 lbs/hr and 40 lbs/day from the production operation. See sections A.I.2.a., A.I.2.b. and A.I.2.c. below.
	OAC rule 3745-31-05(D) PTI 02-11793	See sections A.I.2.d. and A.I.2.e. below.
	OAC rule 3745-31-05(A)(3) PTI 02-11793	Particulate emissions (PE) shall not exceed 0.10 lb/hr and 0.46 ton/year. Organic compound (OC) emissions shall not exceed 4.7 lbs/day, excluding emissions from the cleanup materials. OC emissions shall not exceed 5 lbs/day and 0.91 tons/year, including emissions from the cleanup materials.

2. Additional Terms and Conditions

- a. The emission limit(s) specified in this rule is (are) less stringent than the limit established pursuant to OAC rule 3745-31-05(A)(3).
- b. The emissions of organic materials from the production operation consist of styrene, a photochemically reactive material as defined in OAC rule 3745-21-01(C)(5).
- c. Only nonphotochemically reactive cleanup materials shall be employed.
- d. The combined VOC emissions from P010 - P018, P021 - P059 and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (This limitation is equivalent to the daily styrene throughput restriction.)
- e. The combined PE from P012 - P018 and P021 - P028 shall be limited to 21.34 tons per year.

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II. Operational Restrictions

1. The maximum styrene throughput for this emissions unit shall not exceed 16,000 lbs/day.
2. The pressure drop across the baghouse shall be maintained within the range of 1 to 3 inches of water while the emissions unit is in operation.

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information for each day for this emissions unit:
 - a. The company identification for each production material and each cleanup material employed.
 - b. An identification of whether or not each cleanup material employed is a photochemically reactive

material.

- c. The weight of each production material employed, in pounds.
- d. The styrene content of each production material employed, in percent by weight.
- e. The styrene throughput of all production materials, in pounds.
- f. The total organic compound emission rate for all production materials, in pounds.
- g. The actual number of hours that the emissions unit was in operation.
- h. The average hourly organic compound emission rate for all production materials, i.e., (f) divided by (g), in pounds per hour (average).
- i. The weight of each cleanup material dispensed, in pounds.
- j. The weight of each cleanup material returned, in pounds.
- k. The total organic compound emission rate for all cleanup materials, in pounds.
- l. The total organic compound emission rate for all production materials and all cleanup materials, in pounds per day.
2. The permittee shall properly operate and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s). The permittee shall record the pressure drop across the baghouse on a once per day basis when the emissions unit is in operation.
3. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
 - a. An identification of each day during which the average hourly OC emissions from the production materials exceeded 8 pounds per hour, and the actual average hourly OC emissions for each such day.
 - b. An identification of each day during which the OC emissions from the production materials exceeded 4.7 pounds per day, and the actual OC emissions for each such day.
 - c. An identification of each day during which the OC emissions from the production materials and the cleanup materials exceeded 5 pounds per day, and the actual OC emissions for each such day.
 - d. An identification of each day during which any photochemically reactive cleanup materials were employed.
 - e. An identification of each day during which the styrene throughput exceeded 16,000 pounds per day, and the actual styrene throughput for each such day.
 - f. An identification of each day during which the pressure drop across the baghouse did not comply with the allowable range specified in section A.II.2., and the actual pressure drops and periods of time for each such day.
 - g. An identification of each month during which the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.
2. The permittee shall submit annual reports which specify the total OC emissions and particulate emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year.
3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 of each year.

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V. Testing Requirements

1. Compliance with the allowable emission limitations in section A.I.1. of these terms and conditions shall be determined in accordance with the following methods:
 - a. Emission Limitation: 20% opacity of visible particulate emissions.

Applicable Compliance Method: Compliance shall be determined based upon OAC rule 3745-17-03(B) (1).

- b. Emission Limitation: 0.10 lb PE/hr.
- Applicable Compliance Method(s): To determine the actual worst case PE rate, the following equation shall be used:
- $$\text{EPE}(\text{lbs/hr}) = \text{DSC} \times \text{EF} \times (1 - \text{CE}).$$
- where:
 EPE(lbs/hr) = maximum hourly PE rate, in pounds per hour.
- DSC = the maximum, dry solids usage rate of the raw material, which is 866.45 pounds per hour, as noted in the application.
- EF = the emission factor for particulate emissions, which is 0.01 pound of uncontrolled PE per pound of available particulate matter content, as noted in AP-42 chapter 6.4 (5/83).
- CE = control efficiency of PE control device, 0.99 pounds of controlled PE per pound of uncontrolled PE, as specified in an application for PTI 02-8922.
- If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1-5.
- c. Emission Limitation: 0.46 TPY PE from production operations.
- Applicable Compliance Method: To determine the worst case rate for PE, the actual, hourly, worst case emission rate as determined in section A.V.1.b. shall be multiplied by 8760 hrs/yr and divided by 2000 lbs/ton.
- d. Emission Limitation: 21.34 TPY PE from production operations.
- Applicable Compliance Method: To determine the worst case PE rate the following equation shall be used:
- $$\text{PE (TPY)} = [\text{Summation of EPE}_i(\text{lbs/hr})] \times 8760 \text{ hrs/yr} \times \text{ton}/2000 \text{ lbs.}$$
- where:
 PE (TPY) = maximum annual PE rate for P012-P018 and P021-P028, in tons per year.
- i = an individual emissions unit from the following group of emissions units: P012-P018 and P021-P028.
- EPE(lbs/hr) = maximum PE rate, in pounds per hour, as noted in section A.V.1.b. for each specified emissions unit.
- e. Emission Limitation: 183.53 TPY VOC, including emissions from cleanup materials.
- Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.
- f. Emission Limitation: 8 lbs OC/hr, excluding emissions from the cleanup materials.
- Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.1.h. If required, the permittee shall demonstrate compliance with this emission limitation through emission tests, performed in accordance with 40 CFR Part 60, Appendix A, Method 18, 25 or 25A, as appropriate.
- g. Emission Limitation: 4.7 lbs OC/day, excluding emissions from cleanup materials.
- Applicable Compliance Method: Compliance shall be determined based upon the following:
- i. Determination of available styrene in the production materials:
- $$\text{AS}(\text{lbs/day}) = \text{Summation of } (\text{P}_i \times \text{SC}_i).$$
- where:
 AS(lbs/day) = the available styrene, also the styrene throughput, in pounds per day.
- P_i = the production rate of material i, in pounds per day.
- SC_i = the styrene content of material i, in pounds of available styrene per pound of production material.
- ii. Determination of organic compound emissions from production operations:
- $$\text{ES}(\text{lbs/day}) = \text{AS} \times \text{EF}.$$
- where:
 ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day.
- EF = emission factor for styrene emissions from the dispersers, which is 0.000292 pounds per pound of available styrene, as determined from emissions testing for P012, conducted on June 11, 1998.

- h. Emission Limitation: 5 lbs OC/day, including emissions from cleanup materials.
 Applicable Compliance Method: Compliance shall be determined based upon the following:
 - i. Determination of daily emissions from cleanup operations, EC(lbs/day), shall be made in accordance with the following method(s):

$$EC(lbs/day) = \text{Summation of } [(WC/OUT - WC/IN)_i]$$
 where:
 EC(lbs/day) = the organic compound emissions from cleanup operations, in pounds per day.
 WC/OUT_i = weight of cleanup material i dispensed to work stations, in pounds per day.
 WC/IN_i = weight of cleanup material i returned to solvent dispensing area, in pounds per day.
 - ii. Determination of daily emissions from all operations, EOC(lbs/day), shall be determined in accordance with the following method(s):

$$EOC(lbs/day) = ES(lbs/day) + EC(lbs/day).$$
 where:
 ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day, as specified in section A.V.1.g.
 - i. Emission Limitation: 0.91 TPY OC, including emissions from cleanup materials.
 Applicable Compliance Method: To determine annual OC emissions from all materials, compliance shall be based on the sum of the daily OC emission rates from production materials and cleanup materials, EOC(lbs/day), as specified in section A.V.1.h. of this permit for the calendar year, divided by 2000 pounds/ton.
2. Any determination of organic compound content (percent by weight), solids content, or density of a material shall be based on the material as employed, including the addition of any thinner or viscosity reducer to the material. The permittee shall determine the composition of the material by formulation data supplied by the manufacturer or from data determined by an analysis of each material, as received, by U.S. EPA Reference Method 24 as referenced in 40 CFR Part 60, Appendix A. If formulation data is employed, the Ohio EPA may require the permittee to have a Reference Method 24 analysis or an equivalent, alternative method (as approved by Ohio EPA) performed on the material(s).

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 0204000133 Emissions Unit ID: P028 Issuance type: Title V Preliminary Proposed Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. **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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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- 2. **Additional Terms and Conditions**

- 1. None

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II. Operational Restrictions

- 1. None

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III. Monitoring and/or Record Keeping Requirements

- 1. None

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IV. Reporting Requirements

- 1. None

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V. Testing Requirements

- 1. None

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VI. Miscellaneous Requirements

- 1. None

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Facility ID: 0204000133 Emissions Unit ID: P029 Issuance type: Title V Preliminary Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. 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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Thick mold compound (TMC) machine	OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8 lbs/hr and 40 lbs/day, excluding emissions from cleanup materials. See sections A.I.2.a. and A.I.2.b. below.
	OAC rule 3745-31-05(D) PTI 02-11793	
	OAC rule 3745-31-05(A)(3) PTI 02-11793	See section A.I.2.c. below.
		Organic compound (OC) emissions shall not exceed 60 lbs/day and 10.95 tons/year, including emissions from the cleanup materials.

2. Additional Terms and Conditions

- a. The emissions of organic materials from the production operation consist of styrene, a photochemically reactive material as defined in OAC rule 3745-21-01(C)(5).
- b. Only nonphotochemically reactive cleanup materials shall be employed.

- c. The combined VOC emissions from P010 - P018, P021 - P059, and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (A daily styrene throughput restriction is not required for this emissions unit.)

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II. Operational Restrictions

1. None

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information for each day for this emissions unit:
 - a. The company identification for each production material and each cleanup material employed.
 - b. An identification of whether or not each cleanup material employed is a photochemically reactive material.
 - c. The weight of each production material employed, in pounds.
 - d. The styrene content of each production material employed, in percent by weight.
 - e. The styrene throughput of all production materials, in pounds.
 - f. The total organic compound emission rate for all production materials, in pounds.
 - g. The actual number of hours that the emissions unit was in operation.
 - h. The average hourly organic compound emission rate for all production materials, i.e., (f) divided by (g), in pounds per hour (average).
 - i. The weight of each cleanup material dispensed, in pounds.
 - j. The weight of each cleanup material returned, in pounds.
 - k. The total organic compound emission rate for all cleanup materials, in pounds.
 - l. The total organic compound emission rate for all production materials and all cleanup materials, in pounds per day.
2. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
 - a. An identification of each day during which the average hourly OC emissions from the production materials exceeded 8 pounds per hour, and the actual average hourly OC emissions for each such day.
 - b. An identification of each day during which the OC emissions from the production materials exceeded 40 pounds per day, and the actual OC emissions for each such day.
 - c. An identification of each day during which the OC emissions from the production materials and the cleanup materials exceeded 60 pounds per day, and the actual OC emissions for each such day.
 - d. An identification of each day during which any photochemically reactive cleanup materials were employed.
 - e. An identification of each month during which the rolling, 12-month VOC emissions from emission units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.
2. The permittee shall submit annual reports which specify the total OC emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year.
3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 of each year.

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V. Testing Requirements

1. Compliance with the allowable emission limitations in section A.I.1. of these terms and conditions shall be determined in accordance with the following methods:
 - a. Emission Limitation: 183.53 TPY VOC, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.
 - b. Emission Limitation: 8 lbs OC/hr, excluding emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.1.h. If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Method 18, 25 or 25A, as appropriate.
 - c. Emission Limitation: 40 lbs OC/day, excluding emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be determined based upon the following:

 - i. Determination of available styrene in the production materials:

$AS(\text{lbs/day}) = \text{Summation of } (P_i \times SC_i)$.

where:
 $AS(\text{lbs/day})$ = the available styrene, also the styrene throughput, in pounds per day.

P_i = the production rate of material i , in pounds per day.

SC_i = the styrene content of material i , in pounds of available styrene per pound of production material.
 - ii. Determination of organic compound emissions from production operations:

$ES(\text{lbs/day}) = AS \times EF$.

where:
 $ES(\text{lbs/day})$ = the organic compound emissions as styrene from production operations, in pounds per day.

EF = emission factor for styrene emissions from compounding machines, which is 0.001 pounds per pound of available styrene, as determined from engineering estimates.
 - d. Emission Limitation: 60 lbs OC/day, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be determined based upon the following:

 - i. Determination of daily emissions from cleanup operations, $EC(\text{lbs/day})$, shall be made in accordance with the following method(s):

$EC(\text{lbs/day}) = \text{Summation of } [(WC/OUT - WC/IN)_i]$.

where:
 $EC(\text{lbs/day})$ = the organic compound emissions from cleanup operations, in pounds per day.

WC/OUT_i = weight of cleanup material i dispensed to work stations, in pounds per day.

WC/IN_i = weight of cleanup material i returned to solvent dispensing area, in pounds per day.
 - ii. Determination of daily emissions from all operations, $EOC(\text{lbs/day})$, shall be determined in accordance with the following method(s):

$EOC(\text{lbs/day}) = ES(\text{lbs/day}) + EC(\text{lbs/day})$.

where:
 $ES(\text{lbs/day})$ = the organic compound emissions as styrene from production operations, in pounds per day, as specified in section A.V.1.c.
 - e. Emission Limitation: 10.95 TPY OC, including emissions from cleanup materials

Applicable Compliance Method: To determine annual OC emissions from all materials, compliance shall be based on the sum of the daily OC emission rates from production materials and cleanup materials, $EOC(\text{lbs/day})$, as specified in section A.V.1.d. of this permit for the calendar year, divided by 2000 pounds/ton.
2. Any determination of organic compound content (percent by weight), solids content, or density of a material shall be based on the material as employed, including the addition of any thinner or viscosity reducer to the material. The permittee shall determine the composition of the material by formulation data supplied by the manufacturer or from data determined by an analysis of each material, as received, by U.S. EPA Reference Method 24 as referenced in 40 CFR Part 60, Appendix A. If formulation data is employed, the Ohio EPA may require the permittee to have a Reference Method 24 analysis or an equivalent, alternative method (as approved by Ohio EPA) performed on the material(s).

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0204000133 Emissions Unit ID: P029 Issuance type: Title V Preliminary Proposed Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. **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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

	<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
2. Additional Terms and Conditions			
1.	None		

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II. **Operational Restrictions**

1. None

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III. **Monitoring and/or Record Keeping Requirements**

1. None

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IV. **Reporting Requirements**

1. None

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V. **Testing Requirements**

1. None

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0204000133 Emissions Unit ID: P030 Issuance type: Title V Preliminary Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. 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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Chain sheet mold compound (SMC) machine	OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8 lbs/hr and 40 lbs/day, excluding emissions from cleanup materials. See sections A.1.2.a. and A.1.2.b. below.
	OAC rule 3745-31-05(D) PTI 02-11793	See section A.1.2.d. below.
	OAC rule 3745-31-05(A)(3) PTI 02-11793	Organic compound (OC) emissions shall not exceed 60 lbs/day and 10.95 tons/year, including emissions from the cleanup materials.

2. Additional Terms and Conditions

- a. The emissions of organic materials from the production operation consist of styrene, a photochemically reactive material as defined in OAC rule 3745-21-01(C)(5).
- b. Only nonphotochemically reactive cleanup materials shall be employed.
- c. The combined VOC emissions from P010 - P018, P021 - P059, and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (A daily styrene throughput restriction is not required for this emissions unit.)

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II. Operational Restrictions

1. None

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information for each day for this emissions unit:
 - a. The company identification for each production material and each cleanup material employed.
 - b. An identification of whether or not each cleanup material employed is a photochemically reactive material.
 - c. The weight of each production material employed, in pounds.
 - d. The styrene content of each production material employed, in percent by weight.
 - e. The styrene throughput of all production materials, in pounds.
 - f. The total organic compound emission rate for all production materials, in pounds.
 - g. The actual number of hours that the emissions unit was in operation.
 - h. The average hourly organic compound emission rate for all production materials, i.e., (f) divided by (g), in pounds per hour (average).
 - i. The weight of each cleanup material dispensed, in pounds.
 - j. The weight of each cleanup material returned, in pounds.

- k. The total organic compound emission rate for all cleanup materials, in pounds.
- l. The total organic compound emission rate for all production materials and all cleanup materials, in pounds per day.
- 2. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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IV. Reporting Requirements

- 1. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
 - a. An identification of each day during which the average hourly OC emissions from the production materials exceeded 8 pounds per hour, and the actual average hourly OC emissions for each such day.
 - b. An identification of each day during which the OC emissions from the production materials exceeded 40 pounds per day, and the actual OC emissions for each such day.
 - c. An identification of each day during which the OC emissions from the production materials and the cleanup materials exceeded 60 pounds per day, and the actual OC emissions for each such day.
 - d. An identification of each day during which any photochemically reactive cleanup materials were employed.
 - e. An identification of each month during which the rolling, 12-month VOC emissions from emission units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.
- 2. The permittee shall submit annual reports which specify the total OC emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year.
- 3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 of each year.

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V. Testing Requirements

- 1. Compliance with the allowable emission limitations in section A.I.1. of these terms and conditions shall be determined in accordance with the following methods:
 - a. Emission Limitation: 183.53 TPY VOC, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.
 - b. Emission Limitation: 8 lbs OC/hr, excluding emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.1.h. If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Method 18, 25 or 25A, as appropriate.
 - c. Emission Limitation: 40 lbs OC/day, excluding emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be determined based upon the following:

 - i. Determination of available styrene in the production materials:

$$AS(\text{lbs/day}) = \text{Summation of } (P_i \times SC_i).$$

where:
 AS(lbs/day) = the available styrene, also the styrene throughput, in pounds per day.
 P_i = the production rate of material i, in pounds per day.
 SC_i = the styrene content of material i, in pounds of available styrene per pound of production material.
 - ii. Determination of organic compound emissions from production operations:

$$ES(\text{lbs/day}) = AS \times EF.$$

where:
 ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day.

EF = emission factor for styrene emissions from compounding machines, which is 0.001 pounds per pound of available styrene, as determined from engineering estimates.

d. Emission Limitation: 60 lbs OC/day, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be determined based upon the following:

i. Determination of daily emissions from cleanup operations, EC(lbs/day), shall be made in accordance with the following method(s):

$$EC(lbs/day) = \text{Summation of } [(WC/OUT - WC/IN)_i]$$

where:

EC(lbs/day) = the organic compound emissions from cleanup operations, in pounds per day.

WC/OUT_i = weight of cleanup material i dispensed to work stations, in pounds per day.

WC/IN_i = weight of cleanup material i returned to solvent dispensing area, in pounds per day.

ii. Determination of daily emissions from all operations, EOC(lbs/day), shall be determined in accordance with the following method(s):

$$EOC(lbs/day) = ES(lbs/day) + EC(lbs/day)$$

where:

ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day, as specified in section A.V.1.c.

e. Emission Limitation: 10.95 TPY OC, including emissions from cleanup materials

Applicable Compliance Method: To determine annual OC emissions from all materials, compliance shall be based on the sum of the daily OC emission rates from production materials and cleanup materials, EOC(lbs/day), as specified in section A.V.1.d. of this permit for the calendar year, divided by 2000 pounds/ton.

2. Any determination of organic compound content (percent by weight), solids content, or density of a material shall be based on the material as employed, including the addition of any thinner or viscosity reducer to the material. The permittee shall determine the composition of the material by formulation data supplied by the manufacturer or from data determined by an analysis of each material, as received, by U.S. EPA Reference Method 24 as referenced in 40 CFR Part 60, Appendix A. If formulation data is employed, the Ohio EPA may require the permittee to have a Reference Method 24 analysis or an equivalent, alternative method (as approved by Ohio EPA) performed on the material(s).

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0204000133 Emissions Unit ID: P030 Issuance type: Title V Preliminary Proposed Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. **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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
2. Additional Terms and Conditions		

- 1. None

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II. Operational Restrictions

- 1. None

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III. Monitoring and/or Record Keeping Requirements

- 1. None

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IV. Reporting Requirements

- 1. None

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V. Testing Requirements

- 1. None

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VI. Miscellaneous Requirements

- 1. None

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Facility ID: 0204000133 Emissions Unit ID: P031 Issuance type: Title V Preliminary Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. 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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Premi sheet mold compound (SMC) machine	OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8 lbs/hr and 40 lbs/day, excluding emissions from cleanup materials. See sections A.I.2.a. and A.I.2.b. below.
	OAC rule 3745-31-05(D)	See section A.I.2.d. below.
	PTI 02-11793	
	OAC rule 3745-31-05(A)(3)	Organic compound (OC) emissions shall not exceed 60 lbs/day and 10.95 tons/year, including emissions from the cleanup materials.
	PTI 02-11793	

2. Additional Terms and Conditions

- a. The emissions of organic materials from the production operation consist of styrene, a photochemically reactive material as defined in OAC rule 3745-21-01(C)(5).

- b. Only nonphotochemically reactive cleanup materials shall be employed.
- c. The combined VOC emissions from P010 - P018, P021 - P059, and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (A daily styrene throughput restriction is not required for this emissions unit.)

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II. Operational Restrictions

1. None

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information for each day for this emissions unit:
 - a. The company identification for each production material and each cleanup material employed.
 - b. An identification of whether or not each cleanup material employed is a photochemically reactive material.
 - c. The weight of each production material employed, in pounds.
 - d. The styrene content of each production material employed, in percent by weight.
 - e. The styrene throughput of all production materials, in pounds.
 - f. The total organic compound emission rate for all production materials, in pounds.
 - g. The actual number of hours that the emissions unit was in operation.
 - h. The average hourly organic compound emission rate for all production materials, i.e., (f) divided by (g), in pounds per hour (average).
 - i. The weight of each cleanup material dispensed, in pounds.
 - j. The weight of each cleanup material returned, in pounds.
 - k. The total organic compound emission rate for all cleanup materials, in pounds.
 - l. The total organic compound emission rate for all production materials and all cleanup materials, in pounds per day.
2. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
 - a. An identification of each day during which the average hourly OC emissions from the production materials exceeded 8 pounds per hour, and the actual average hourly OC emissions for each such day.
 - b. An identification of each day during which the OC emissions from the production materials exceeded 40 pounds per day, and the actual OC emissions for each such day.
 - c. An identification of each day during which the OC emissions from the production materials and the cleanup materials exceeded 60 pounds per day, and the actual OC emissions for each such day.
 - d. An identification of each day during which any photochemically reactive cleanup materials were employed.
 - e. An identification of each month during which the rolling, 12-month VOC emissions from emission units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.
2. The permittee shall submit annual reports which specify the total OC emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year.
3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 of each year.

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V. **Testing Requirements**

1. Compliance with the allowable emission limitations in section A.I.1. of these terms and conditions shall be determined in accordance with the following methods:
 - a. Emission Limitation: 183.53 TPY VOC, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.
 - b. Emission Limitation: 8 lbs OC/hr, excluding emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.1.h. If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Method 18, 25 or 25A, as appropriate.
 - c. Emission Limitation: 40 lbs OC/day, excluding emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be determined based upon the following:

 - i. Determination of available styrene in the production materials:

$AS(\text{lbs/day}) = \text{Summation of } (P_i \times SC_i)$.

where:
 $AS(\text{lbs/day})$ = the available styrene, also the styrene throughput, in pounds per day.

P_i = the production rate of material i , in pounds per day.

SC_i = the styrene content of material i , in pounds of available styrene per pound of production material.
 - ii. Determination of organic compound emissions from production operations:

$ES(\text{lbs/day}) = AS \times EF$.

where:
 $ES(\text{lbs/day})$ = the organic compound emissions as styrene from production operations, in pounds per day.

EF = emission factor for styrene emissions from compounding machines, which is 0.001 pounds per pound of available styrene, as determined from engineering estimates.
 - d. Emission Limitation: 60 lbs OC/day, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be determined based upon the following:

 - i. Determination of daily emissions from cleanup operations, $EC(\text{lbs/day})$, shall be made in accordance with the following method(s):

$EC(\text{lbs/day}) = \text{Summation of } [(WC/OUT - WC/IN)_i]$.

where:
 $EC(\text{lbs/day})$ = the organic compound emissions from cleanup operations, in pounds per day.

WC/OUT_i = weight of cleanup material i dispensed to work stations, in pounds per day.

WC/IN_i = weight of cleanup material i returned to solvent dispensing area, in pounds per day.
 - ii. Determination of daily emissions from all operations, $EOC(\text{lbs/day})$, shall be determined in accordance with the following method(s):

$EOC(\text{lbs/day}) = ES(\text{lbs/day}) + EC(\text{lbs/day})$.

where:
 $ES(\text{lbs/day})$ = the organic compound emissions as styrene from production operations, in pounds per day, as specified in section A.V.1.c.
 - e. Emission Limitation: 10.95 TPY OC, including emissions from cleanup materials

Applicable Compliance Method: To determine annual OC emissions from all materials, compliance shall be based on the sum of the daily OC emission rates from production materials and cleanup materials, $EOC(\text{lbs/day})$, as specified in section A.V.1.d. of this permit for the calendar year, divided by 2000 pounds/ton.
2. Any determination of organic compound content (percent by weight), solids content, or density of a material shall be based on the material as employed, including the addition of any thinner or viscosity reducer to the material. The permittee shall determine the composition of the material by formulation data supplied by the manufacturer or from data determined by an analysis of each material, as received, by U.S. EPA Reference Method 24 as referenced in 40 CFR Part 60, Appendix A. If formulation data is employed, the Ohio EPA

may require the permittee to have a Reference Method 24 analysis or an equivalent, alternative method (as approved by Ohio EPA) performed on the material(s).

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 0204000133 Emissions Unit ID: P031 Issuance type: Title V Preliminary Proposed Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. **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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
2. Additional Terms and Conditions		
1. None		

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II. **Operational Restrictions**

- 1. None

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III. **Monitoring and/or Record Keeping Requirements**

- 1. None

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IV. **Reporting Requirements**

- 1. None

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V. **Testing Requirements**

- 1. None

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 0204000133 Emissions Unit ID: P032 Issuance type: Title V Preliminary Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. 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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Pilot plant sheet mold compound (SMC) machine	OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8 lbs/hr and 40 lbs/day, excluding emissions from cleanup materials. See sections A.I.2.a., A.I.2.b. and A.I.2.c. below. See section A.I.2.d. below.
	OAC rule 3745-31-05(D) PTI 02-11793	
	OAC rule 3745-31-05(A)(3) PTI 02-11793	
		Organic compound (OC) emissions shall not exceed 8 lbs/hr, 40 lbs/day and 7.3 tons/year, including emissions from the cleanup materials.

2. Additional Terms and Conditions

- a. The daily emission limit specified in this rule is less stringent than the daily limit established pursuant to OAC rule 3745-31-05(A)(3).
- b. The emissions of organic materials from the production operation consist of styrene, a photochemically reactive material as defined in OAC rule 3745-21-01(C)(5).
- c. Only nonphotochemically reactive cleanup materials shall be employed.
- d. The combined VOC emissions from P010 - P018, P021 - P059, and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (A daily styrene throughput restriction is not required for this emissions unit.)

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II. Operational Restrictions

1. None

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information for each day for this emissions unit:
 - a. The company identification for each production material and each cleanup material employed.
 - b. An identification of whether or not each cleanup material employed is a photochemically reactive material.
 - c. The weight of each production material employed, in pounds.
 - d. The styrene content of each production material employed, in percent by weight.
 - e. The styrene throughput of all production materials, in pounds.
 - f. The total organic compound emission rate for all production materials, in pounds.
 - g. The actual number of hours that the emissions unit was in operation.

- h. The average hourly organic compound emission rate for all production materials, i.e., (f) divided by (g), in pounds per hour (average).
 - i. The weight of each cleanup material dispensed, in pounds.
 - j. The weight of each cleanup material returned, in pounds.
 - k. The total organic compound emission rate for all cleanup materials, in pounds.
 - l. The total organic compound emission rate for all production materials and all cleanup materials, in pounds per day.
 - m. The average hourly organic compound emission rate for all production materials and all cleanup materials, i.e., (l) divided by (g), in pounds per hour (average).
- 2. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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IV. Reporting Requirements

- 1. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
 - a. An identification of each day during which the average hourly OC emissions from the production materials and the cleanup materials exceeded 8 pounds per hour, and the actual average hourly OC emissions for each such day.
 - b. An identification of each day during which the OC emissions from the production materials and the cleanup materials exceeded 40 pounds per day, and the actual OC emissions for each such day.
 - c. An identification of each day during which any photochemically reactive cleanup materials were employed.
 - d. An identification of each month during which the rolling, 12-month VOC emissions from emission units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.
- 2. The permittee shall submit annual reports which specify the total OC emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year.
- 3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 of each year.

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V. Testing Requirements

- 1. Compliance with the allowable emission limitations in section A.I.1. of these terms and conditions shall be determined in accordance with the following methods:
 - a. Emission Limitation: 183.53 TPY VOC, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.
 - b. Emission Limitation: 8 lbs OC/hr, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.1.m. If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Method 18, 25 or 25A, as appropriate.
 - c. Emission Limitation: 40 lbs OC/day, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be determined based upon the following:

 - i. Determination of daily emissions from cleanup operations, EC(lbs/day), shall be made in accordance with the following method(s):

$$EC(\text{lbs/day}) = \text{Summation of } [(WC/OUT - WC/IN)_i]$$

where:
 EC(lbs/day) = the organic compound emissions from cleanup operations, in pounds per day.

WC/OUT_i = weight of cleanup material i dispensed to work stations, in pounds per day.

WC/IN_i = weight of cleanup material i returned to solvent dispensing area, in pounds per day.

ii. Determination of available styrene in the production materials:

$$AS(\text{lbs/day}) = \text{Summation of } (P_i \times SC_i).$$

where:

AS(lbs/day) = the available styrene, also the styrene throughput, in pounds per day.

P_i = the production rate of material i, in pounds per day.

SC_i = the styrene content of material i, in pounds of available styrene per pound of production material.

iii. Determination of organic compound emissions from production operations:

$$ES(\text{lbs/day}) = AS \times EF.$$

where:

ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day.

EF = emission factor for styrene emissions from compounding machines, which is 0.001 pounds per pound of available styrene, as determined from engineering estimates.

iv. Determination of daily emissions from all operations, EOC(lbs/day), shall be determined in accordance with the following method(s):

$$EOC(\text{lbs/day}) = ES(\text{lbs/day}) + EC(\text{lbs/day}).$$

d. Emission Limitation: 7.3 TPY OC, including emissions from cleanup materials

Applicable Compliance Method: To determine annual OC emissions from all materials, compliance shall be based on the sum of the daily OC emission rates from production materials and cleanup materials, EOC(lbs/day), as specified in section A.V.1.c. of this permit for the calendar year, divided by 2000 pounds/ton.

2. Any determination of organic compound content (percent by weight), solids content, or density of a material shall be based on the material as employed, including the addition of any thinner or viscosity reducer to the material. The permittee shall determine the composition of the material by formulation data supplied by the manufacturer or from data determined by an analysis of each material, as received, by U.S. EPA Reference Method 24 as referenced in 40 CFR Part 60, Appendix A. If formulation data is employed, the Ohio EPA may require the permittee to have a Reference Method 24 analysis or an equivalent, alternative method (as approved by Ohio EPA) performed on the material(s).

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0204000133 Emissions Unit ID: P032 Issuance type: Title V Preliminary Proposed Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. **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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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2. **Additional Terms and Conditions**

1. None

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II. Operational Restrictions

- 1. None

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III. Monitoring and/or Record Keeping Requirements

- 1. None

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IV. Reporting Requirements

- 1. None

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V. Testing Requirements

- 1. None

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VI. Miscellaneous Requirements

- 1. None

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Facility ID: 0204000133 Emissions Unit ID: P033 Issuance type: Title V Preliminary Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. 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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Bulk mold compound (BMC)/sheet mold compound (SMC) extruder 4	OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8 lbs/hr and 40 lbs/day, excluding emissions from cleanup materials. See sections A.I.2.a., A.I.2.b. and A.I.2.c. below. See section A.I.2.d. below.
	OAC rule 3745-31-05(D) PTI 02-11793	
	OAC rule 3745-31-05(A)(3) PTI 02-11793	
		Organic compound (OC) emissions shall not exceed 0.96 lb/hr, 11.5 lbs/day and 2.10 tons/year, including emissions from the cleanup materials.

2. Additional Terms and Conditions

- a. The daily emission limit specified in this rule is less stringent than the daily limit established pursuant to OAC rule 3745-31-05(A)(3).
- b. The emissions of organic materials from the production operation consist of styrene, a photochemically reactive material as defined in OAC rule 3745-21-01(C)(5).

- c. Only nonphotochemically reactive cleanup materials shall be employed.
- d. The combined VOC emissions from P010 - P018, P021 - P059, and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (This limitation is equivalent to the daily styrene throughput restriction.)

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II. Operational Restrictions

1. The maximum styrene throughput for this emissions unit shall not exceed 11,500 lbs/day.

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information for each day for this emissions unit:
 - a. The company identification for each production material and each cleanup material employed.
 - b. An identification of whether or not each cleanup material employed is a photochemically reactive material.
 - c. The weight of each production material employed, in pounds.
 - d. The styrene content of each production material employed, in percent by weight.
 - e. The styrene throughput of all production materials, in pounds.
 - f. The total organic compound emission rate for all production materials, in pounds.
 - g. The actual number of hours that the emissions unit was in operation.
 - h. The average hourly organic compound emission rate for all production materials, i.e., (f) divided by (g), in pounds per hour (average).
 - i. The weight of each cleanup material dispensed, in pounds.
 - j. The weight of each cleanup material returned, in pounds.
 - k. The total organic compound emission rate for all cleanup materials, in pounds.
 - l. The total organic compound emission rate for all production materials and all cleanup materials, in pounds per day.
 - m. The average hourly organic compound emission rate for all production materials and all cleanup materials, i.e., (l) divided by (g), in pounds per hour (average).
2. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
 - a. An identification of each day during which the average hourly OC emissions from the production materials and the cleanup materials exceeded 0.96 pound per hour, and the actual average hourly OC emissions for each such day.
 - b. An identification of each day during which the OC emissions from the production materials and the cleanup materials exceeded 11.5 pounds per day, and the actual OC emissions for each such day.
 - c. An identification of each day during which any photochemically reactive cleanup materials were employed.
 - d. An identification of each day during which the styrene throughput exceeded 11,500 pounds per day, and the actual styrene throughput for each such day.
 - e. An identification of each month during which the rolling, 12-month VOC emissions from emission units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.
2. The permittee shall submit annual reports which specify the total OC emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year.
3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 -

P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 of each year.

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V. **Testing Requirements**

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

- a. Emission Limitation: 183.53 TPY VOC, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.

- b. Emission Limitation: 0.96 lb OC/hr, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.1.m. If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Method 18, 25 or 25A, as appropriate.

- c. Emission Limitation: 11.5 lbs OC/day, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be determined based upon the following:

- i. Determination of daily emissions from cleanup operations, EC(lbs/day), shall be made in accordance with the following method(s):

$$EC(\text{lbs/day}) = \text{Summation of } [(WC/OUT - WC/IN)_i]$$

where:

EC(lbs/day) = the organic compound emissions from cleanup operations, in pounds per day.

WC/OUT_i = weight of cleanup material i dispensed to work stations, in pounds per day.

WC/IN_i = weight of cleanup material i returned to solvent dispensing area, in pounds per day.

- ii. Determination of available styrene in the production materials:

$$AS(\text{lbs/day}) = \text{Summation of } (P_i \times SC_i)$$

where:

AS(lbs/day) = the available styrene, also the styrene throughput, in pounds per day.

P_i = the production rate of material i, in pounds per day.

SC_i = the styrene content of material i, in pounds of available styrene per pound of production material.

- iii. Determination of organic compound emissions from production operations:

$$ES(\text{lbs/day}) = AS \times EF$$

where:

ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day.

EF = emission factor for styrene emissions from extrusion machines, which is 0.001 pounds per pound of available styrene, as determined from engineering estimates.

- iv. Determination of daily emissions from all operations, EOC(lbs/day), shall be determined in accordance with the following method(s):

$$EOC(\text{lbs/day}) = ES(\text{lbs/day}) + EC(\text{lbs/day})$$

- d. Emission Limitation: 2.11 TPY OC, including emissions from cleanup materials

Applicable Compliance Method: To determine annual OC emissions from all materials, compliance shall be based on the sum of the daily OC emission rates from production materials and cleanup materials, EOC(lbs/day), as specified in section A.V.1.c. of this permit for the calendar year, divided by 2000 pounds/ton.

2. Any determination of organic compound content (percent by weight), solids content, or density of a material shall be based on the material as employed, including the addition of any thinner or viscosity reducer to the material. The permittee shall determine the composition of the material by formulation data supplied by the manufacturer or from data determined by an analysis of each material, as received, by U.S. EPA Reference Method 24 as referenced in 40 CFR Part 60, Appendix A. If formulation data is employed, the Ohio EPA may require the permittee to have a Reference Method 24 analysis or an equivalent, alternative method (as approved by Ohio EPA) performed on the material(s).

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 0204000133 Emissions Unit ID: P033 Issuance type: Title V Preliminary Proposed Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. **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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

	<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
2. Additional Terms and Conditions			
1.	None		

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II. **Operational Restrictions**

- 1. None

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III. **Monitoring and/or Record Keeping Requirements**

- 1. None

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IV. **Reporting Requirements**

- 1. None

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V. **Testing Requirements**

- 1. None

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 0204000133 Emissions Unit ID: P034 Issuance type: Title V Preliminary Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. 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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Bulk mold compound (BMC)/sheet mold compound (SMC) extruder 5	OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8 lbs/hr and 40 lbs/day, excluding emissions from cleanup materials. See sections A.I.2.a., A.I.2.b. and A.I.2.c. below.
	OAC rule 3745-31-05(D) PTI 02-11793	See section A.I.2.d. below.
	OAC rule 3745-31-05(A)(3) PTI 02-11793	Organic compound (OC) emissions shall not exceed 7.2 lbs/day and 1.31 tons/year, including emissions from the cleanup materials.

2. Additional Terms and Conditions

- a. The daily emission limit specified in this rule is less stringent than the daily limit established pursuant to OAC rule 3745-31-05(A)(3).
- b. The emissions of organic materials from the production operation consist of styrene, a photochemically reactive material as defined in OAC rule 3745-21-01(C)(5).
- c. Only nonphotochemically reactive cleanup materials shall be employed.
- d. The combined VOC emissions from P010 - P018, P021 - P059, and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (This limitation is equivalent to the daily styrene throughput restriction.)

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II. Operational Restrictions

1. The maximum styrene throughput for this emissions unit shall not exceed 7,200 lbs/day.

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information for each day for this emissions unit:
 - a. The company identification for each production material and each cleanup material employed.
 - b. An identification of whether or not each cleanup material employed is a photochemically reactive material.
 - c. The weight of each production material employed, in pounds.
 - d. The styrene content of each production material employed, in percent by weight.
 - e. The styrene throughput of all production materials, in pounds.
 - f. The total organic compound emission rate for all production materials, in pounds.
 - g. The actual number of hours that the emissions unit was in operation.
 - h. The average hourly organic compound emission rate for all production materials, i.e., (f) divided by (g), in pounds per hour (average).

- i. The weight of each cleanup material dispensed, in pounds.
 - j. The weight of each cleanup material returned, in pounds.
 - k. The total organic compound emission rate for all cleanup materials, in pounds.
 - l. The total organic compound emission rate for all production materials and all cleanup materials, in pounds per day.
 - m. The average hourly organic compound emission rate for all production materials and all cleanup materials, i.e., (l) divided by (g), in pounds per hour (average).
2. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
 - a. An identification of each day during which the OC emissions from the production materials and the cleanup materials exceeded 7.2 pounds per day, and the actual OC emissions for each such day.
 - b. An identification of each day during which the styrene throughput exceeded 7,200 pounds per day, and the actual styrene throughput for each such day.
 - c. An identification of each day during which any photochemically reactive cleanup materials were employed.
 - d. An identification of each day during which the styrene throughput exceeded 7,200 pounds per day, and the actual styrene throughput for each such day.
 - e. An identification of each month during which the rolling, 12-month VOC emissions from emission units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.
2. The permittee shall submit annual reports which specify the total OC emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year.
3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 of each year.

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V. Testing Requirements

1. Compliance with the allowable emission limitations in section A.I.1. of these terms and conditions shall be determined in accordance with the following methods:
 - a. Emission Limitation: 183.53 TPY VOC, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.
 - b. Emission Limitation: 7.2 lbs OC/day, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be determined based upon the following:

 - i. Determination of daily emissions from cleanup operations, EC(lbs/day), shall be made in accordance with the following method(s):

$$EC(\text{lbs/day}) = \text{Summation of } [(WC/OUT - WC/IN)_i]$$

where:
 EC(lbs/day) = the organic compound emissions from cleanup operations, in pounds per day.
 WC/OUT_i = weight of cleanup material i dispensed to work stations, in pounds per day.
 WC/IN_i = weight of cleanup material i returned to solvent dispensing area, in pounds per day.
 - ii. Determination of available styrene in the production materials:

$$AS(\text{lbs/day}) = \text{Summation of } (P_i \times SC_i)$$

where:
 AS(lbs/day) = the available styrene, also the styrene throughput, in pounds per day.
 P_i = the production rate of material i, in pounds per day.
 SC_i = the styrene content of material i, in pounds of available styrene per pound of production material.
 - iii. Determination of organic compound emissions from production operations:

$ES(\text{lbs/day}) = AS \times EF.$

where:

ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day.

EF = emission factor for styrene emissions from extrusion machines, which is 0.001 pounds per pound of available styrene, as determined from engineering estimates.

iv. Determination of daily emissions from all operations, EOC(lbs/day), shall be determined in accordance with the following method(s):

$EOC(\text{lbs/day}) = ES(\text{lbs/day}) + EC(\text{lbs/day}).$

- c. Emission Limitation: 1.31 TPY OC, including emissions from cleanup materials

Applicable Compliance Method: To determine annual OC emissions from all materials, compliance shall be based on the sum of the daily OC emission rates from production materials and cleanup materials, EOC(lbs/day), as specified in section A.V.1.c. of this permit for the calendar year, divided by 2000 pounds/ton.

- 2. Any determination of organic compound content (percent by weight), solids content, or density of a material shall be based on the material as employed, including the addition of any thinner or viscosity reducer to the material. The permittee shall determine the composition of the material by formulation data supplied by the manufacturer or from data determined by an analysis of each material, as received, by U.S. EPA Reference Method 24 as referenced in 40 CFR Part 60, Appendix A. If formulation data is employed, the Ohio EPA may require the permittee to have a Reference Method 24 analysis or an equivalent, alternative method (as approved by Ohio EPA) performed on the material(s).

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 0204000133 Emissions Unit ID: P034 Issuance type: Title V Preliminary Proposed Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. **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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

	<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
2. Additional Terms and Conditions			
1.	None		

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II. **Operational Restrictions**

- 1. None

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III. **Monitoring and/or Record Keeping Requirements**

- 1. None

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IV. Reporting Requirements

- 1. None

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V. Testing Requirements

- 1. None

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VI. Miscellaneous Requirements

- 1. None

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Facility ID: 0204000133 Emissions Unit ID: P035 Issuance type: Title V Preliminary Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. 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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Bulk mold compound (BMC)/sheet mold compound (SMC) extruder 1	OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8 lbs/hr and 40 lbs/day, excluding emissions from cleanup materials. See sections A.I.2.a., A.I.2.b. and A.I.2.c. below. See section A.I.2.d. below.
	OAC rule 3745-31-05(D) PTI 02-11793	
	OAC rule 3745-31-05(A)(3) PTI 02-11793	Organic compound (OC) emissions shall not exceed 0.82 lb/hr, 9.8 lbs/day and 1.79 tons/year, including emissions from the cleanup materials.

2. Additional Terms and Conditions

- a. The daily emission limit specified in this rule is less stringent than the daily limit established pursuant to OAC rule 3745-31-05(A)(3).
- b. The emissions of organic materials from the production operation consist of styrene, a photochemically reactive material as defined in OAC rule 3745-21-01(C)(5).
- c. Only nonphotochemically reactive cleanup materials shall be employed.
- d. The combined VOC emissions from P010 - P018, P021 - P059, and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (This limitation is equivalent to the daily styrene throughput restriction.)

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II. Operational Restrictions

1. The maximum styrene throughput for this emissions unit shall not exceed 9,800 lbs/day.

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information for each day for this emissions unit:
 - a. The company identification for each production material and each cleanup material employed.
 - b. An identification of whether or not each cleanup material employed is a photochemically reactive material.
 - c. The weight of each production material employed, in pounds.
 - d. The styrene content of each production material employed, in percent by weight.
 - e. The styrene throughput of all production materials, in pounds.
 - f. The total organic compound emission rate for all production materials, in pounds.
 - g. The actual number of hours that the emissions unit was in operation.
 - h. The average hourly organic compound emission rate for all production materials, i.e., (f) divided by (g), in pounds per hour (average).
 - i. The weight of each cleanup material dispensed, in pounds.
 - j. The weight of each cleanup material returned, in pounds.
 - k. The total organic compound emission rate for all cleanup materials, in pounds.
 - l. The total organic compound emission rate for all production materials and all cleanup materials, in pounds per day.
 - m. The average hourly organic compound emission rate for all production materials and all cleanup materials, i.e., (l) divided by (g), in pounds per hour (average).
2. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
 - a. An identification of each day during which the average hourly OC emissions from the production materials and the cleanup materials exceeded 0.82 pound per hour, and the actual average hourly OC emissions for each such day.
 - b. An identification of each day during which the OC emissions from the production materials and the cleanup materials exceeded 9.8 pounds per day, and the actual OC emissions for each such day.
 - c. An identification of each day during which any photochemically reactive cleanup materials were employed.
 - d. An identification of each day during which the styrene throughput exceeded 9,800 pounds per day, and the actual styrene throughput for each such day.
 - e. An identification of each month during which the rolling, 12-month VOC emissions from emission units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.
2. The permittee shall submit annual reports which specify the total OC emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year.
3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 of each year.

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V. Testing Requirements

1. Compliance with the allowable emission limitations in section A.I.1. of these terms and conditions shall be determined in accordance with the following methods:
 - a. Emission Limitation: 183.53 TPY VOC, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.

- b. Emission Limitation: 0.82 lb OC/hr, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.1.m. If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Method 18, 25 or 25A, as appropriate.

- c. Emission Limitation: 9.8 lbs OC/day, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be determined based upon the following:

- i. Determination of daily emissions from cleanup operations, EC(lbs/day), shall be made in accordance with the following method(s):

$$EC(\text{lbs/day}) = \text{Summation of } [(WC/OUT - WC/IN)_i]$$

where:

EC(lbs/day) = the organic compound emissions from cleanup operations, in pounds per day.

WC/OUT_i = weight of cleanup material i dispensed to work stations, in pounds per day.

WC/IN_i = weight of cleanup material i returned to solvent dispensing area, in pounds per day.

- ii. Determination of available styrene in the production materials:

$$AS(\text{lbs/day}) = \text{Summation of } (P_i \times SC_i)$$

where:

AS(lbs/day) = the available styrene, also the styrene throughput, in pounds per day.

P_i = the production rate of material i, in pounds per day.

SC_i = the styrene content of material i, in pounds of available styrene per pound of production material.

- iii. Determination of organic compound emissions from production operations:

$$ES(\text{lbs/day}) = AS \times EF$$

where:

ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day.

EF = emission factor for styrene emissions from extrusion machines, which is 0.001 pounds per pound of available styrene, as determined from engineering estimates.

- iv. Determination of daily emissions from all operations, EOC(lbs/day), shall be determined in accordance with the following method(s):

$$EOC(\text{lbs/day}) = ES(\text{lbs/day}) + EC(\text{lbs/day})$$

- d. Emission Limitation: 1.79 TPY OC, including emissions from cleanup materials

Applicable Compliance Method: To determine annual OC emissions from all materials, compliance shall be based on the sum of the daily OC emission rates from production materials and cleanup materials, EOC(lbs/day), as specified in section A.V.1.c. of this permit for the calendar year, divided by 2000 pounds/ton.

2. Any determination of organic compound content (percent by weight), solids content, or density of a material shall be based on the material as employed, including the addition of any thinner or viscosity reducer to the material. The permittee shall determine the composition of the material by formulation data supplied by the manufacturer or from data determined by an analysis of each material, as received, by U.S. EPA Reference Method 24 as referenced in 40 CFR Part 60, Appendix A. If formulation data is employed, the Ohio EPA may require the permittee to have a Reference Method 24 analysis or an equivalent, alternative method (as approved by Ohio EPA) performed on the material(s).

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0204000133 Emissions Unit ID: P035 Issuance type: Title V Preliminary Proposed Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. 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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
2. Additional Terms and Conditions		
1. None		

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II. Operational Restrictions

1. None

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III. Monitoring and/or Record Keeping Requirements

1. None

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IV. Reporting Requirements

1. None

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V. Testing Requirements

1. None

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VI. Miscellaneous Requirements

1. None

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Facility ID: 0204000133 Emissions Unit ID: P036 Issuance type: Title V Preliminary Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. **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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Bulk mold compound (BMC)/sheet mold compound (SMC) extruder 2	OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8 lbs/hr and 40 lbs/day, excluding emissions from cleanup materials. See sections A.1.2.a., A.1.2.b. and A.1.2.c. below.
	OAC rule 3745-31-05(D) PTI 02-11793	
	OAC rule 3745-31-05(A)(3) PTI 02-11793	Organic compound (OC) emissions shall not exceed 0.76 lb/hr, 9 lbs/day and 1.64 tons/year, including emissions from the cleanup materials.

2. **Additional Terms and Conditions**

- The daily emission limit specified in this rule is less stringent than the daily limit established pursuant to OAC rule 3745-31-05(A)(3).
- The emissions of organic materials from the production operation consist of styrene, a photochemically reactive material as defined in OAC rule 3745-21-01(C)(5).
- Only nonphotochemically reactive cleanup materials shall be employed.
- The combined VOC emissions from P010 - P018, P021 - P059, and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (This limitation is equivalent to the daily styrene throughput restriction.)

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II. **Operational Restrictions**

- The maximum styrene throughput for this emissions unit shall not exceed 9,000 lbs/day.

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III. **Monitoring and/or Record Keeping Requirements**

- The permittee shall collect and record the following information for each day for this emissions unit:
 - The company identification for each production material and each cleanup material employed.
 - An identification of whether or not each cleanup material employed is a photochemically reactive material.
 - The weight of each production material employed, in pounds.
 - The styrene content of each production material employed, in percent by weight.
 - The styrene throughput of all production materials, in pounds.
 - The total organic compound emission rate for all production materials, in pounds.
 - The actual number of hours that the emissions unit was in operation.
 - The average hourly organic compound emission rate for all production materials, i.e., (f) divided by (g), in pounds per hour (average).
 - The weight of each cleanup material dispensed, in pounds.
 - The weight of each cleanup material returned, in pounds.
 - The total organic compound emission rate for all cleanup materials, in pounds.
 - The total organic compound emission rate for all production materials and all cleanup materials, in pounds per day.
 - The average hourly organic compound emission rate for all production materials and all cleanup materials, i.e., (l) divided by (g), in pounds per hour (average).
- The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
 - a. An identification of each day during which the average hourly OC emissions from the production materials and the cleanup materials exceeded 0.76 pound per hour, and the actual average hourly OC emissions for each such day.
 - b. An identification of each day during which the OC emissions from the production materials and the cleanup materials exceeded 9 pounds per day, and the actual OC emissions for each such day.
 - c. An identification of each day during which any photochemically reactive cleanup materials were employed.
 - d. An identification of each day during which the styrene throughput exceeded 9,000 pounds per day, and the actual styrene throughput for each such day.
 - e. An identification of each month during which the rolling, 12-month VOC emissions from emission units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.
2. The permittee shall submit annual reports which specify the total OC emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year.
3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 of each year.

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V. Testing Requirements

1. Compliance with the allowable emission limitations in section A.I.1. of these terms and conditions shall be determined in accordance with the following methods:
 - a. Emission Limitation: 183.53 TPY VOC, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.
 - b. Emission Limitation: 0.76 lb OC/hr, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.1.m. If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Method 18, 25 or 25A, as appropriate.
 - c. Emission Limitation: 9 lbs OC/day, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be determined based upon the following:

 - i. Determination of daily emissions from cleanup operations, EC(lbs/day), shall be made in accordance with the following method(s):

$$EC(\text{lbs/day}) = \text{Summation of } [(WC/OUT - WC/IN)_i]$$

where:
 EC(lbs/day) = the organic compound emissions from cleanup operations, in pounds per day.
 WC/OUT_i = weight of cleanup material i dispensed to work stations, in pounds per day.
 WC/IN_i = weight of cleanup material i returned to solvent dispensing area, in pounds per day.
 - ii. Determination of available styrene in the production materials:

$$AS(\text{lbs/day}) = \text{Summation of } (P_i \times SC_i)$$

where:
 AS(lbs/day) = the available styrene, also the styrene throughput, in pounds per day.
 P_i = the production rate of material i, in pounds per day.
 SC_i = the styrene content of material i, in pounds of available styrene per pound of production material.
 - iii. Determination of organic compound emissions from production operations:

$$ES(\text{lbs/day}) = AS \times EF.$$

where:

ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day.

EF = emission factor for styrene emissions from extrusion machines, which is 0.001 pounds per pound of available styrene, as determined from engineering estimates.

iv. Determination of daily emissions from all operations, EOC(lbs/day), shall be determined in accordance with the following method(s):

$$EOC(lbs/day) = ES(lbs/day) + EC(lbs/day).$$

- d. Emission Limitation: 1.64 TPY OC, including emissions from cleanup materials

Applicable Compliance Method: To determine annual OC emissions from all materials, compliance shall be based on the sum of the daily OC emission rates from production materials and cleanup materials, EOC(lbs/day), as specified in section A.V.1.c. of this permit for the calendar year, divided by 2000 pounds/ton.

- 2. Any determination of organic compound content (percent by weight), solids content, or density of a material shall be based on the material as employed, including the addition of any thinner or viscosity reducer to the material. The permittee shall determine the composition of the material by formulation data supplied by the manufacturer or from data determined by an analysis of each material, as received, by U.S. EPA Reference Method 24 as referenced in 40 CFR Part 60, Appendix A. If formulation data is employed, the Ohio EPA may require the permittee to have a Reference Method 24 analysis or an equivalent, alternative method (as approved by Ohio EPA) performed on the material(s).

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 0204000133 Emissions Unit ID: P036 Issuance type: Title V Preliminary Proposed Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. **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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

	<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
2. Additional Terms and Conditions			
1.	None		

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II. **Operational Restrictions**

- 1. None

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III. **Monitoring and/or Record Keeping Requirements**

- 1. None

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IV. **Reporting Requirements**

1. None

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V. **Testing Requirements**

1. None

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0204000133 Emissions Unit ID: P037 Issuance type: Title V Preliminary Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. **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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Bulk mold compound (BMC)/sheet mold compound (SMC) extruder 3	OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8 lbs/hr and 40 lbs/day, excluding emissions from cleanup materials. See sections A.I.2.a., A.I.2.b. and A.I.2.c. below. See section A.I.2.d. below.
	OAC rule 3745-31-05(D) PTI 02-11793	
	OAC rule 3745-31-05(A)(3) PTI 02-11793	Organic compound (OC) emissions shall not exceed 6.5 lbs/day and 1.18 tons/year, including emissions from the cleanup materials.

2. **Additional Terms and Conditions**

- a. The daily emission limit specified in this rule is less stringent than the daily limit established pursuant to OAC rule 3745-31-05(A)(3).
- b. The emissions of organic materials from the production operation consist of styrene, a photochemically reactive material as defined in OAC rule 3745-21-01(C)(5).
- c. Only nonphotochemically reactive cleanup materials shall be employed.
- d. The combined VOC emissions from P010 - P018, P021 - P059, and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (This limitation is equivalent to the daily styrene throughput restriction.)

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II. **Operational Restrictions**

1. The maximum styrene throughput for this emissions unit shall not exceed 6,500 lbs/day.

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information for each day for this emissions unit:
 - a. The company identification for each production material and each cleanup material employed.
 - b. An identification of whether or not each cleanup material employed is a photochemically reactive material.
 - c. The weight of each production material employed, in pounds.
 - d. The styrene content of each production material employed, in percent by weight.
 - e. The styrene throughput of all production materials, in pounds.
 - f. The total organic compound emission rate for all production materials, in pounds.
 - g. The actual number of hours that the emissions unit was in operation.
 - h. The average hourly organic compound emission rate for all production materials, i.e., (f) divided by (g), in pounds per hour (average).
 - i. The weight of each cleanup material dispensed, in pounds.
 - j. The weight of each cleanup material returned, in pounds.
 - k. The total organic compound emission rate for all cleanup materials, in pounds.
 - l. The total organic compound emission rate for all production materials and all cleanup materials, in pounds per day.
 - m. The average hourly organic compound emission rate for all production materials and all cleanup materials, i.e., (l) divided by (g), in pounds per hour (average).
2. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
 - a. An identification of each day during which the OC emissions from the production materials and the cleanup materials exceeded 6.5 pounds per day, and the actual OC emissions for each such day.
 - c. An identification of each day during which any photochemically reactive cleanup materials were employed.
 - d. An identification of each day during which the styrene throughput exceeded 6,500 pounds per day, and the actual styrene throughput for each such day.
 - e. An identification of each month during which the rolling, 12-month VOC emissions from emission units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.
2. The permittee shall submit annual reports which specify the total OC emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year.
3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 of each year.

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V. Testing Requirements

1. Compliance with the allowable emission limitations in section A.I.1. of these terms and conditions shall be determined in accordance with the following methods:
 - a. Emission Limitation: 183.53 TPY VOC, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.

- b. Emission Limitation: 6.5 lbs OC/day, including emissions from cleanup materials.
 Applicable Compliance Method: Compliance shall be determined based upon the following:
 - i. Determination of daily emissions from cleanup operations, EC(lbs/day), shall be made in accordance with the following method(s):

$$EC(\text{lbs/day}) = \text{Summation of } [(WC/OUT - WC/IN)_i]$$
 where:
 EC(lbs/day) = the organic compound emissions from cleanup operations, in pounds per day.
 WC/OUT_i = weight of cleanup material i dispensed to work stations, in pounds per day.
 WC/IN_i = weight of cleanup material i returned to solvent dispensing area, in pounds per day.
 - ii. Determination of available styrene in the production materials:

$$AS(\text{lbs/day}) = \text{Summation of } (P_i \times SC_i)$$
 where:
 AS(lbs/day) = the available styrene, also the styrene throughput, in pounds per day.
 P_i = the production rate of material i, in pounds per day.
 SC_i = the styrene content of material i, in pounds of available styrene per pound of production material.
 - iii. Determination of organic compound emissions from production operations:

$$ES(\text{lbs/day}) = AS \times EF$$
 where:
 ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day.
 EF = emission factor for styrene emissions from extrusion machines, which is 0.001 pounds per pound of available styrene, as determined from engineering estimates.
 - iv. Determination of daily emissions from all operations, EOC(lbs/day), shall be determined in accordance with the following method(s):

$$EOC(\text{lbs/day}) = ES(\text{lbs/day}) + EC(\text{lbs/day})$$
 - c. Emission Limitation: 1.18 TPY OC, including emissions from cleanup materials
 Applicable Compliance Method: To determine annual OC emissions from all materials, compliance shall be based on the sum of the daily OC emission rates from production materials and cleanup materials, EOC(lbs/day), as specified in section A.V.1.c. of this permit for the calendar year, divided by 2000 pounds/ton.
2. Any determination of organic compound content (percent by weight), solids content, or density of a material shall be based on the material as employed, including the addition of any thinner or viscosity reducer to the material. The permittee shall determine the composition of the material by formulation data supplied by the manufacturer or from data determined by an analysis of each material, as received, by U.S. EPA Reference Method 24 as referenced in 40 CFR Part 60, Appendix A. If formulation data is employed, the Ohio EPA may require the permittee to have a Reference Method 24 analysis or an equivalent, alternative method (as approved by Ohio EPA) performed on the material(s).

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 0204000133 Emissions Unit ID: P037 Issuance type: Title V Preliminary Proposed Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. 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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
2. Additional Terms and Conditions		
1. None		

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II. Operational Restrictions

1. None

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III. Monitoring and/or Record Keeping Requirements

1. None

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IV. Reporting Requirements

1. None

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V. Testing Requirements

1. None

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VI. Miscellaneous Requirements

1. None

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Facility ID: 0204000133 Emissions Unit ID: P038 Issuance type: Title V Preliminary Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. 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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Bulk mold compound (BMC)/sheet mold	OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8

compound (SMC) extruder 3.5

lbs/hr and 40 lbs/day, excluding emissions from cleanup materials. See sections A.I.2.a., A.I.2.b. and A.I.2.c. below.

OAC rule 3745-31-05(D)
PTI 02-11793

See section A.I.2.d. below.

OAC rule 3745-31-05(A)(3)
PTI 02-11793

Organic compound (OC) emissions shall not exceed 4.3 lbs/day and 0.79 ton/year, including emissions from the cleanup materials.

2. Additional Terms and Conditions

- a. The daily emission limit specified in this rule is less stringent than the daily limit established pursuant to OAC rule 3745-31-05(A)(3).
- b. The emissions of organic materials from the production operation consist of styrene, a photochemically reactive material as defined in OAC rule 3745-21-01(C)(5).
- c. Only nonphotochemically reactive cleanup materials shall be employed.
- d. The combined VOC emissions from P010 - P018, P021 - P059, and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (This limitation is equivalent to the daily styrene throughput restriction.)

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II. Operational Restrictions

1. The maximum styrene throughput for this emissions unit shall not exceed 4,300 lbs/day.

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information for each day for this emissions unit:
 - a. The company identification for each production material and each cleanup material employed.
 - b. An identification of whether or not each cleanup material employed is a photochemically reactive material.
 - c. The weight of each production material employed, in pounds.
 - d. The styrene content of each production material employed, in percent by weight.
 - e. The styrene throughput of all production materials, in pounds.
 - f. The total organic compound emission rate for all production materials, in pounds.
 - g. The actual number of hours that the emissions unit was in operation.
 - h. The average hourly organic compound emission rate for all production materials, i.e., (f) divided by (g), in pounds per hour (average).
 - i. The weight of each cleanup material dispensed, in pounds.
 - j. The weight of each cleanup material returned, in pounds.
 - k. The total organic compound emission rate for all cleanup materials, in pounds.
 - l. The total organic compound emission rate for all production materials and all cleanup materials, in pounds per day.
 - m. The average hourly organic compound emission rate for all production materials and all cleanup materials, i.e., (l) divided by (g), in pounds per hour (average).
2. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
 - a. An identification of each day during which the OC emissions from the production materials and the cleanup materials exceeded 4.3 pounds per day, and the actual OC emissions for each such day.
 - c. An identification of each day during which any photochemically reactive cleanup materials were

employed.

- d. An identification of each day during which the styrene throughput exceeded 4,300 pounds per day, and the actual styrene throughput for each such day.
 - e. An identification of each month during which the rolling, 12-month VOC emissions from emission units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.
2. The permittee shall submit annual reports which specify the total OC emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year.
 3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 of each year.

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V. **Testing Requirements**

1. Compliance with the allowable emission limitations in section A.I.1. of these terms and conditions shall be determined in accordance with the following methods:
 - a. Emission Limitation: 183.53 TPY VOC, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.
 - b. Emission Limitation: 4.3 lbs OC/day, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be determined based upon the following:

 - i. Determination of daily emissions from cleanup operations, EC(lbs/day), shall be made in accordance with the following method(s):

$$EC(\text{lbs/day}) = \text{Summation of } [(WC/OUT - WC/IN)_i]$$

where:
 EC(lbs/day) = the organic compound emissions from cleanup operations, in pounds per day.
 WC/OUT_i = weight of cleanup material i dispensed to work stations, in pounds per day.
 WC/IN_i = weight of cleanup material i returned to solvent dispensing area, in pounds per day.
 - ii. Determination of available styrene in the production materials:

$$AS(\text{lbs/day}) = \text{Summation of } (P_i \times SC_i)$$

where:
 AS(lbs/day) = the available styrene, also the styrene throughput, in pounds per day.
 P_i = the production rate of material i, in pounds per day.
 SC_i = the styrene content of material i, in pounds of available styrene per pound of production material.
 - iii. Determination of organic compound emissions from production operations:

$$ES(\text{lbs/day}) = AS \times EF$$

where:
 ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day.
 EF = emission factor for styrene emissions from extrusion machines, which is 0.001 pounds per pound of available styrene, as determined from engineering estimates.
 - iv. Determination of daily emissions from all operations, EOC(lbs/day), shall be determined in accordance with the following method(s):

$$EOC(\text{lbs/day}) = ES(\text{lbs/day}) + EC(\text{lbs/day})$$
 - c. Emission Limitation: 0.79 TPY OC, including emissions from cleanup materials

Applicable Compliance Method: To determine annual OC emissions from all materials, compliance shall be based on the sum of the daily OC emission rates from production materials and cleanup materials, EOC(lbs/day), as specified in section A.V.1.c. of this permit for the calendar year, divided by 2000 pounds/ton.
2. Any determination of organic compound content (percent by weight), solids content, or density of a material shall be based on the material as employed, including the addition of any thinner or viscosity reducer to the material. The permittee shall determine the composition of the material by formulation data supplied by the

manufacturer or from data determined by an analysis of each material, as received, by U.S. EPA Reference Method 24 as referenced in 40 CFR Part 60, Appendix A. If formulation data is employed, the Ohio EPA may require the permittee to have a Reference Method 24 analysis or an equivalent, alternative method (as approved by Ohio EPA) performed on the material(s).

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0204000133 Emissions Unit ID: P038 Issuance type: Title V Preliminary Proposed Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. **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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

	<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
2. Additional Terms and Conditions			
1.	None		

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II. **Operational Restrictions**

1. None

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III. **Monitoring and/or Record Keeping Requirements**

1. None

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IV. **Reporting Requirements**

1. None

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V. **Testing Requirements**

1. None

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VI. **Miscellaneous Requirements**

1. None

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 0204000133 Emissions Unit ID: P039 Issuance type: Title V Preliminary Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. 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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Pipe and metal pump cleaning	OAC rule 3745-21-07(G)(2)	See section A.I.2.a. below.
	OAC rule 3745-31-05(D)	See section A.I.2.b. below.
	PTI 02-11793	
	OAC rule 3745-31-05(A)(3)	Organic compound (OC) emissions shall not exceed 18.1 lbs/day and 3.30 tons/year from the cleanup operation.
PTI 02-11793		

2. Additional Terms and Conditions

- a. This emissions unit is exempt from the organic compound emission limitations specified in OAC rule 3745-21-07(G)(2) because the use of photochemically reactive materials is prohibited.
- b. The combined VOC emissions from P010 - P018, P021 - P059 and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (A materials throughput operating restriction is not required for this emissions unit.)

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II. Operational Restrictions

1. None

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall record each day whether or not each cleanup material employed in this emissions unit is a photochemically reactive material, as defined in OAC rule 3745-21-01(C).
2. The permittee shall collect and record the following information for each month for this emissions unit:
 - a. The company identification of each cleanup material employed.
 - b. The total weight of cleanup material added to the cleaning tanks, in pounds.
 - c. The total weight of waste cleanup material that is disposed, in pounds.
 - d. The total OC emissions, in pounds per month.
 - e. The actual number of days that the emissions unit was in operation.
 - f. The average daily organic compound emission rate, i.e. (d) divided by (e), in pounds per day (average).

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IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports which include the following:
 - a. an identification of each day during which any photochemically reactive cleanup materials were

employed; and

- b. an identification of each month during which the average, daily organic compound emission rate exceeded 18.1 pounds per day, and the actual, average, daily emission rate in pounds per day for each such day.
2. The permittee shall submit annual reports which specify the total organic compound emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year.
3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 of each year.

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V. **Testing Requirements**

1. Compliance with the emissions limitation(s) in section A. I. 1. of these terms and conditions shall be determined in accordance with the following method(s):
 - a. Emission Limitation: 183.53 TPY VOC, including emissions from cleanup materials

Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.
 - b. Emission Limitation: 18.1 lbs OC/day

Applicable Compliance Method: Compliance shall be determined based upon the following:

 - i. Determination of monthly emissions from cleanup operations, EC(lbs/month) shall be made in accordance with the following method(s):

$EC(lbs/month) = \text{Summation of } \{[(WC/OUT - (WC/IN \times PC/100))]\}$.

where:
 EC(lbs/month) = the organic compound emissions from cleanup operations, in pounds per month.
 WC/OUT_i = weight of cleanup material "i" dispensed to cleaning tanks, in pounds per month.
 WC/IN_i = weight of cleanup material "i" disposed to off-site waste handling facility, in pounds per month.
 PC = average weight percentage of cleanup material solvent in waste cleanup material, as determined from methods required by section A.V.2.
 - ii. Determination of average, daily emissions from cleanup operations, EC(lbs/day), shall be determined in accordance with the following method(s):

$EC(lbs/day) = [EC(lbs/month)]/DAYS$.

where:
 EC(lbs/day) = the average, daily organic compound emissions from cleanup operations, in pounds per day.
 DAYS = the actual number of days the emissions unit was in operation during the month as determined from record keeping required by term A.III.2.e.
 - c. Emission Limitation: 3.30 TPY OC

Applicable Compliance Method: To determine annual OC emissions compliance shall be based on the sum of the monthly OC emission rates from cleanup materials, EC(lbs/month), as specified in section A.V.1.b.i. of this permit for the calendar year, divided by 2000 pounds/ton.
2. A determination shall be made of volatile organic compound content (percent by weight), solids content, and density of composite sample(s) of the waste cleanup material generated at this emissions unit. The composite waste sample(s) from this emissions unit shall not be mixed with other wastes generated from other emissions unit(s). The composite sample(s) shall be taken from at least three waste solvent storage containers (i.e., 55 gallon drums), which store waste materials generated from at least two "solvent tank chageouts". The permittee shall determine the composition of the material from data determined from an analysis of each material, as referenced in 40 CFR Part 60, Appendix A or an equivalent, alternative method (as approved by the Ohio EPA) performed on the material(s).

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0204000133 Emissions Unit ID: P039 Issuance type: Title V Preliminary Proposed Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. 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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
2. Additional Terms and Conditions		
1. None		

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II. Operational Restrictions

- 1. None

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III. Monitoring and/or Record Keeping Requirements

- 1. None

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IV. Reporting Requirements

- 1. None

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V. Testing Requirements

- 1. None

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VI. Miscellaneous Requirements

- 1. None

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 0204000133 Emissions Unit ID: P040 Issuance type: Title V Preliminary Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. **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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Thick mold compound (TMC) roller machine	OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8 lbs/hr and 40 lbs/day, excluding emissions from cleanup materials. See sections A.I.2.a., A.I.2.b. and A.I.2.c. below.
	OAC rule 3745-31-05(D) PTI 02-11793	See section A.I.2.d. below.
	OAC rule 3745-31-05(A)(3) PTI 02-11793	Organic compound (OC) emissions shall not exceed 1.46 lbs/hr, 17.5 lbs/day and 3.20 tons/year, including emissions from the cleanup materials.

2. **Additional Terms and Conditions**

- a. The emission limits specified in this rule are less stringent than the daily limit established pursuant to OAC rule 3745-31-05(A)(3).
- b. The emissions of organic materials from the production operation consist of styrene, a photochemically reactive material as defined in OAC rule 3745-21-01(C)(5).
- c. Only nonphotochemically reactive cleanup materials shall be employed.
- d. The combined VOC emissions from P010 - P018, P021 - P059, and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (This limitation is equivalent to the daily styrene throughput restriction.)

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II. **Operational Restrictions**

1. The maximum styrene throughput for this emissions unit shall not exceed 17,500 lbs/day.

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III. **Monitoring and/or Record Keeping Requirements**

1. The permittee shall collect and record the following information for each day for this emissions unit:
 - a. The company identification for each production material and each cleanup material employed.
 - b. An identification of whether or not each cleanup material employed is a photochemically reactive material.
 - c. The weight of each production material employed, in pounds.
 - d. The styrene content of each production material employed, in percent by weight.
 - e. The styrene throughput of all production materials, in pounds.
 - f. The total organic compound emission rate for all production materials, in pounds.
 - g. The actual number of hours that the emissions unit was in operation.
 - h. The average hourly organic compound emission rate for all production materials, i.e., (f) divided by (g), in pounds per hour (average).
 - i. The weight of each cleanup material dispensed, in pounds.
 - j. The weight of each cleanup material returned, in pounds.
 - k. The total organic compound emission rate for all cleanup materials, in pounds.
 - l. The total organic compound emission rate for all production materials and all cleanup materials, in pounds per day.
 - m. The average hourly organic compound emission rate for all production materials and all cleanup materials, i.e., (l) divided by (g), in pounds per hour (average).

2. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
 - a. An identification of each day during which the average hourly OC emissions from the production materials and the cleanup materials exceeded 1.46 pounds per hour, and the actual average hourly OC emissions for each such day.
 - b. An identification of each day during which the OC emissions from the production materials and the cleanup materials exceeded 17.5 pounds per day, and the actual OC emissions for each such day.
 - c. An identification of each day during which any photochemically reactive cleanup materials were employed.
 - d. An identification of each day during which the styrene throughput exceeded 17,500 pounds per day, and the actual styrene throughput for each such day.
 - e. An identification of each month during which the rolling, 12-month VOC emissions from emission units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.
2. The permittee shall submit annual reports which specify the total OC emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year.
3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 of each year.

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V. Testing Requirements

1. Compliance with the allowable emission limitations in section A.I.1. of these terms and conditions shall be determined in accordance with the following methods:
 - a. Emission Limitation: 183.53 TPY VOC, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.
 - b. Emission Limitation: 1.46 lbs OC/hr, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.1.m. If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Method 18, 25 or 25A, as appropriate.
 - c. Emission Limitation: 17.5 lbs OC/day, including emissions from cleanup materials.

Applicable Compliance Method: Compliance shall be determined based upon the following:

 - i. Determination of daily emissions from cleanup operations, EC(lbs/day), shall be made in accordance with the following method(s):

$$EC(\text{lbs/day}) = \text{Summation of } [(WC/OUT - WC/IN)_i]$$

where:
 EC(lbs/day) = the organic compound emissions from cleanup operations, in pounds per day.
 WC/OUT_i = weight of cleanup material i dispensed to work stations, in pounds per day.
 WC/IN_i = weight of cleanup material i returned to solvent dispensing area, in pounds per day.
 - ii. Determination of available styrene in the production materials:

$$AS(\text{lbs/day}) = \text{Summation of } (P_i \times SC_i)$$

where:
 AS(lbs/day) = the available styrene, also the styrene throughput, in pounds per day.
 P_i = the production rate of material i, in pounds per day.
 SC_i = the styrene content of material i, in pounds of available styrene per pound of production material.
 - iii. Determination of organic compound emissions from production operations:

$ES(\text{lbs/day}) = AS \times EF.$

where:

ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day.

EF = emission factor for styrene emissions from compounding machines, which is 0.001 pounds per pound of available styrene, as determined from engineering estimates.

iv. Determination of daily emissions from all operations, EOC(lbs/day), shall be determined in accordance with the following method(s):

$EOC(\text{lbs/day}) = ES(\text{lbs/day}) + EC(\text{lbs/day}).$

- d. Emission Limitation: 3.20 TPY OC, including emissions from cleanup materials

Applicable Compliance Method: To determine annual OC emissions from all materials, compliance shall be based on the sum of the daily OC emission rates from production materials and cleanup materials, EOC(lbs/day), as specified in section A.V.1.c. of this permit for the calendar year, divided by 2000 pounds/ton.

- 2. Any determination of organic compound content (percent by weight), solids content, or density of a material shall be based on the material as employed, including the addition of any thinner or viscosity reducer to the material. The permittee shall determine the composition of the material by formulation data supplied by the manufacturer or from data determined by an analysis of each material, as received, by U.S. EPA Reference Method 24 as referenced in 40 CFR Part 60, Appendix A. If formulation data is employed, the Ohio EPA may require the permittee to have a Reference Method 24 analysis or an equivalent, alternative method (as approved by Ohio EPA) performed on the material(s).

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 0204000133 Emissions Unit ID: P040 Issuance type: Title V Preliminary Proposed Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. **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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

	<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
2. Additional Terms and Conditions			
1.	None		

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II. **Operational Restrictions**

- 1. None

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III. **Monitoring and/or Record Keeping Requirements**

- 1. None

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IV. Reporting Requirements

- 1. None

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V. Testing Requirements

- 1. None

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VI. Miscellaneous Requirements

- 1. None

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Facility ID: 0204000133 Emissions Unit ID: P041 Issuance type: Title V Preliminary Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. 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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Compression mold press A-6 for fiberglass reinforced plastic parts	OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8 lbs/hr and 40 lbs/day from the production operation. See sections A.I.2.a. and A.I.2.b. below.
	OAC rule 3745-31-05(D) PTI 02-11793	
	OAC rule 3745-31-05(A)(3) PTI 02-11793	OC emissions shall not exceed 0.44 lb/hr, 10.56 lbs/day and 1.93 tons/year from the production operation.

2. Additional Terms and Conditions

- a. The emission limits specified in this rule are less stringent than the limit established pursuant to OAC rule 3745-31-05(A)(3).
- b. The emissions of organic materials from the production operation consist of styrene, a photochemically reactive material as defined in OAC rule 3745-21-01(C)(5).
- c. The combined VOC emissions from P010 - P018, P021 - P059 and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (This limitation is equivalent to the daily mold compound usage restriction, based on a styrene content up to 18%, by weight.)

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II. Operational Restrictions

- 1. The maximum mold compound usage for this emissions unit shall not exceed 7,880 lbs/day.

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information for each day for this emissions unit:
 - a. The company identification for each production material employed.
 - b. The weight of each production material employed, in pounds.
 - c. The weight of all production materials employed, in pounds.
 - d. The total organic compound emission rate for all production materials, in pounds.
 - e. The actual number of hours that the emissions unit was in operation.
 - f. The average hourly organic compound emission rate for all production materials, i.e., (d) divided by (e), in pounds per hour (average).
2. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
 - a. An identification of each day during which the average hourly OC emissions from the production materials exceeded 0.44 pound per hour, and the actual average hourly OC emissions for each such day.
 - b. An identification of each day during which the OC emissions from the production materials exceeded 10.56 pounds per day, and the actual OC emissions for each such day.
 - c. An identification of each day during which the mold compound usage exceeded 7,880 pounds per day, and the actual usage for each such day.
 - d. An identification of each month during which the rolling, 12-month VOC emissions from emission units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.
2. The permittee shall submit annual reports which specify the total organic compound emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year.
3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 of each year.

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V. Testing Requirements

1. Compliance with the allowable emission limitations in section A.I.1. of these terms and conditions shall be determined in accordance with the following methods:
 - a. Emission Limitation: 183.53 TPY VOC, including emissions from cleanup materials

Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.
 - b. Emission Limitation: 0.44 lb OC/hr from the production operation.

Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.1.f. If required, the permittee shall demonstrate compliance with this emission limitation through emission tests, performed in accordance with 40 CFR Part 60, Appendix A, Method 18, 25 or 25A, as appropriate.
 - c. Emission Limitation: 10.56 lbs OC/day from the production operation.

Applicable Compliance Method: Compliance shall be determined in accordance with the following method:

$$ES(\text{lbs/day}) = (\text{Summation of } P_i) \times EF.$$

where:
 $ES(\text{lbs/day})$ = the organic compound emissions as styrene from production operations, in pounds per day.
 P_i = the production rate of mold compound i , in pounds per day.

EF = emission factor for styrene emissions from mold presses, which is 0.00134 pound per pound of mold compound, as determined from a Society of Plastics Industry report, "Styrene Emissions during the Charging and Molding Cycle".

- d. Emission Limitation: 1.93 TPY OC from the production operation.

Applicable Compliance Method: To determine annual OC emissions from all materials, compliance shall be based on the sum of the daily OC emission rates from production materials, as specified in section A.V.1.c. of this permit for the calendar year, divided by 2000 pounds/ton.

- 2. Any determination of organic compound content (percent by weight), solids content, or density of a material shall be based on the material as employed, including the addition of any thinner or viscosity reducer to the material. The permittee shall determine the composition of the material by formulation data supplied by the manufacturer or from data determined by an analysis of each material, as received, by U.S. EPA Reference Method 24 as referenced in 40 CFR Part 60, Appendix A. If formulation data is employed, the Ohio EPA may require the permittee to have a Reference Method 24 analysis or an equivalent, alternative method (as approved by Ohio EPA) performed on the material(s).

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 0204000133 Emissions Unit ID: P041 Issuance type: Title V Preliminary Proposed Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. **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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

	<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
2. Additional Terms and Conditions			
1.	None		

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II. **Operational Restrictions**

- 1. None

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III. **Monitoring and/or Record Keeping Requirements**

- 1. None

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IV. **Reporting Requirements**

- 1. None

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V. **Testing Requirements**

1. None

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VI. **Miscellaneous Requirements**

1. None

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 0204000133 Emissions Unit ID: P042 Issuance type: Title V Preliminary Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. **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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Compression mold press B-6 for fiberglass reinforced plastic parts	OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8 lbs/hr and 40 lbs/day from the production operation. See sections A.I.2.a. and A.I.2.b. below.
	OAC rule 3745-31-05(D) PTI 02-11793	See section A.I.2.c. below.
	OAC rule 3745-31-05(A)(3) PTI 02-11793	OC emissions shall not exceed 0.44 lb/hr, 10.56 lbs/day and 1.93 tons/year from the production operation.

2. **Additional Terms and Conditions**

- a. The emission limits specified in this rule are less stringent than the limit established pursuant to OAC rule 3745-31-05(A)(3).
- b. The emissions of organic materials from the production operation consist of styrene, a photochemically reactive material as defined in OAC rule 3745-21-01(C)(5).
- c. The combined VOC emissions from P010 - P018, P021 - P059 and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (This limitation is equivalent to the daily mold compound usage restriction, based on a styrene content up to 18%, by weight.)

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II. **Operational Restrictions**

1. The maximum mold compound usage for this emissions unit shall not exceed 7,880 lbs/day.

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III. **Monitoring and/or Record Keeping Requirements**

1. The permittee shall collect and record the following information for each day for this emissions unit:
 - a. The company identification for each production material employed.

- b. The weight of each production material employed, in pounds.
 - c. The weight of all production materials employed, in pounds.
 - d. The total organic compound emission rate for all production materials, in pounds.
 - e. The actual number of hours that the emissions unit was in operation.
 - f. The average hourly organic compound emission rate for all production materials, i.e., (d) divided by (e), in pounds per hour (average).
- 2. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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IV. Reporting Requirements

- 1. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
 - a. An identification of each day during which the average hourly OC emissions from the production materials exceeded 0.44 pound per hour, and the actual average hourly OC emissions for each such day.
 - b. An identification of each day during which the OC emissions from the production materials exceeded 10.56 pounds per day, and the actual OC emissions for each such day.
 - c. An identification of each day during which the mold compound usage exceeded 7,880 pounds per day, and the actual usage for each such day.
 - d. An identification of each month during which the rolling, 12-month VOC emissions from emission units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.
- 2. The permittee shall submit annual reports which specify the total organic compound emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year.
- 3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 of each year.

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V. Testing Requirements

- 1. Compliance with the allowable emission limitations in section A.I.1. of these terms and conditions shall be determined in accordance with the following methods:
 - a. Emission Limitation: 183.53 TPY VOC, including emissions from cleanup materials

Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.
 - b. Emission Limitation: 0.44 lb OC/hr from the production operation.

Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.1.f. If required, the permittee shall demonstrate compliance with this emission limitation through emission tests, performed in accordance with 40 CFR Part 60, Appendix A, Method 18, 25 or 25A, as appropriate.
 - c. Emission Limitation: 10.56 lbs OC/day from the production operation.

Applicable Compliance Method: Compliance shall be determined in accordance with the following method:

$$ES(\text{lbs/day}) = (\text{Summation of } P_i) \times EF.$$

where:
 $ES(\text{lbs/day})$ = the organic compound emissions as styrene from production operations, in pounds per day.
 P_i = the production rate of mold compound i , in pounds per day.
 EF = emission factor for styrene emissions from mold presses, which is 0.00134 pound per pound of mold compound, as determined from a Society of Plastics Industry report, "Styrene Emissions during the Charging and Molding Cycle".
 - d. Emission Limitation: 1.93 TPY OC from the production operation.

Applicable Compliance Method: To determine annual OC emissions from all materials, compliance shall

be based on the sum of the daily OC emission rates from production materials, as specified in section A.V.1.c. of this permit for the calendar year, divided by 2000 pounds/ton.

2. Any determination of organic compound content (percent by weight), solids content, or density of a material shall be based on the material as employed, including the addition of any thinner or viscosity reducer to the material. The permittee shall determine the composition of the material by formulation data supplied by the manufacturer or from data determined by an analysis of each material, as received, by U.S. EPA Reference Method 24 as referenced in 40 CFR Part 60, Appendix A. If formulation data is employed, the Ohio EPA may require the permittee to have a Reference Method 24 analysis or an equivalent, alternative method (as approved by Ohio EPA) performed on the material(s).

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0204000133 Emissions Unit ID: P042 Issuance type: Title V Preliminary Proposed Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. **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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

	<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
2. Additional Terms and Conditions			
1.	None		

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II. **Operational Restrictions**

1. None

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III. **Monitoring and/or Record Keeping Requirements**

1. None

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IV. **Reporting Requirements**

1. None

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V. **Testing Requirements**

1. None

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VI. **Miscellaneous Requirements**

1. None

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 0204000133 Emissions Unit ID: P043 Issuance type: Title V Preliminary Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. **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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Compression mold press D-4 for fiberglass reinforced plastic parts	OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8 lbs/hr and 40 lbs/day from the production operation. See sections A.I.2.a. and A.I.2.b. below.
	OAC rule 3745-31-05(D) PTI 02-11793	
	OAC rule 3745-31-05(A)(3) PTI 02-11793	OC emissions shall not exceed 0.44 lb/hr, 10.56 lbs/day and 1.93 tons/year from the production operation.

2. **Additional Terms and Conditions**

- a. The emission limits specified in this rule are less stringent than the limit established pursuant to OAC rule 3745-31-05(A)(3).
- b. The emissions of organic materials from the production operation consist of styrene, a photochemically reactive material as defined in OAC rule 3745-21-01(C)(5).
- c. The combined VOC emissions from P010 - P018, P021 - P059 and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (This limitation is equivalent to the daily mold compound usage restriction, based on a styrene content up to 18%, by weight.)

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II. **Operational Restrictions**

1. The maximum mold compound usage for this emissions unit shall not exceed 7,880 lbs/day.

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III. **Monitoring and/or Record Keeping Requirements**

1. The permittee shall collect and record the following information for each day for this emissions unit:
 - a. The company identification for each production material employed.
 - b. The weight of each production material employed, in pounds.
 - c. The weight of all production materials employed, in pounds.
 - d. The total organic compound emission rate for all production materials, in pounds.
 - e. The actual number of hours that the emissions unit was in operation.
 - f. The average hourly organic compound emission rate for all production materials, i.e., (d) divided by (e), in

pounds per hour (average).

2. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
 - a. An identification of each day during which the average hourly OC emissions from the production materials exceeded 0.44 pound per hour, and the actual average hourly OC emissions for each such day.
 - b. An identification of each day during which the OC emissions from the production materials exceeded 10.56 pounds per day, and the actual OC emissions for each such day.
 - c. An identification of each day during which the mold compound usage exceeded 7,880 pounds per day, and the actual usage for each such day.
 - d. An identification of each month during which the rolling, 12-month VOC emissions from emission units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.
2. The permittee shall submit annual reports which specify the total organic compound emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year.
3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 of each year.

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V. Testing Requirements

1. Compliance with the allowable emission limitations in section A.I.1. of these terms and conditions shall be determined in accordance with the following methods:
 - a. Emission Limitation: 183.53 TPY VOC, including emissions from cleanup materials

Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.
 - b. Emission Limitation: 0.44 lb OC/hr from the production operation.

Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.1.f. If required, the permittee shall demonstrate compliance with this emission limitation through emission tests, performed in accordance with 40 CFR Part 60, Appendix A, Method 18, 25 or 25A, as appropriate.
 - c. Emission Limitation: 10.56 lbs OC/day from the production operation.

Applicable Compliance Method: Compliance shall be determined in accordance with the following method:

$$ES(\text{lbs/day}) = (\text{Summation of } P_i) \times EF.$$

where:
 $ES(\text{lbs/day})$ = the organic compound emissions as styrene from production operations, in pounds per day.
 P_i = the production rate of mold compound i , in pounds per day.
 EF = emission factor for styrene emissions from mold presses, which is 0.00134 pound per pound of mold compound, as determined from a Society of Plastics Industry report, "Styrene Emissions during the Charging and Molding Cycle".
 - d. Emission Limitation: 1.93 TPY OC from the production operation.

Applicable Compliance Method: To determine annual OC emissions from all materials, compliance shall be based on the sum of the daily OC emission rates from production materials, as specified in section A.V.1.c. of this permit for the calendar year, divided by 2000 pounds/ton.
2. Any determination of organic compound content (percent by weight), solids content, or density of a material shall be based on the material as employed, including the addition of any thinner or viscosity reducer to the material. The permittee shall determine the composition of the material by formulation data supplied by the manufacturer or from data determined by an analysis of each material, as received, by U.S. EPA Reference Method 24 as referenced in 40 CFR Part 60, Appendix A. If formulation data is employed, the Ohio EPA may require the permittee to have a Reference Method 24 analysis or an equivalent, alternative method (as

approved by Ohio EPA) performed on the material(s).

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0204000133 Emissions Unit ID: P043 Issuance type: Title V Preliminary Proposed Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. **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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

	<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
2. Additional Terms and Conditions			
1.	None		

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II. **Operational Restrictions**

1. None

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III. **Monitoring and/or Record Keeping Requirements**

1. None

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IV. **Reporting Requirements**

1. None

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V. **Testing Requirements**

1. None

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0204000133 Emissions Unit ID: P044 Issuance type: Title V Preliminary Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. 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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Compression mold press D-6 for fiberglass reinforced plastic parts	OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8 lbs/hr and 40 lbs/day from the production operation. See sections A.I.2.a. and A.I.2.b. below.
	OAC rule 3745-31-05(D) PTI 02-11793	
	OAC rule 3745-31-05(A)(3) PTI 02-11793	OC emissions shall not exceed 0.44 lb/hr, 10.56 lbs/day and 1.93 tons/year from the production operation.

2. Additional Terms and Conditions

- a. The emission limits specified in this rule are less stringent than the limit established pursuant to OAC rule 3745-31-05(A)(3).
- b. The emissions of organic materials from the production operation consist of styrene, a photochemically reactive material as defined in OAC rule 3745-21-01(C)(5).
- c. The combined VOC emissions from P010 - P018, P021 - P059 and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (This limitation is equivalent to the daily mold compound usage restriction, based on a styrene content up to 18%, by weight.)

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THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION.

II. Operational Restrictions

1. The maximum mold compound usage for this emissions unit shall not exceed 7,880 lbs/day.

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information for each day for this emissions unit:
 - a. The company identification for each production material employed.
 - b. The weight of each production material employed, in pounds.
 - c. The weight of all production materials employed, in pounds.
 - d. The total organic compound emission rate for all production materials, in pounds.
 - e. The actual number of hours that the emissions unit was in operation.
 - f. The average hourly organic compound emission rate for all production materials, i.e., (d) divided by (e), in pounds per hour (average).
2. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
 - a. An identification of each day during which the average hourly OC emissions from the production materials exceeded 0.44 pound per hour, and the actual average hourly OC emissions for each such day.
 - b. An identification of each day during which the OC emissions from the production materials exceeded 10.56 pounds per day, and the actual OC emissions for each such day.
 - c. An identification of each day during which the mold compound usage exceeded 7,880 pounds per day, and the actual usage for each such day.
 - d. An identification of each month during which the rolling, 12-month VOC emissions from emission units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.
2. The permittee shall submit annual reports which specify the total organic compound emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year.
3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 of each year.

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V. Testing Requirements

1. Compliance with the allowable emission limitations in section A.I.1. of these terms and conditions shall be determined in accordance with the following methods:
 - a. Emission Limitation: 183.53 TPY VOC, including emissions from cleanup materials

Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.
 - b. Emission Limitation: 0.44 lb OC/hr from the production operation.

Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.1.f. If required, the permittee shall demonstrate compliance with this emission limitation through emission tests, performed in accordance with 40 CFR Part 60, Appendix A, Method 18, 25 or 25A, as appropriate.
 - c. Emission Limitation: 10.56 lbs OC/day from the production operation.

Applicable Compliance Method: Compliance shall be determined in accordance with the following method:

$$ES(\text{lbs/day}) = (\text{Summation of } P_i) \times EF.$$

where:
 $ES(\text{lbs/day})$ = the organic compound emissions as styrene from production operations, in pounds per day.
 P_i = the production rate of mold compound i , in pounds per day.
 EF = emission factor for styrene emissions from mold presses, which is 0.00134 pound per pound of mold compound, as determined from a Society of Plastics Industry report, "Styrene Emissions during the Charging and Molding Cycle".
 - d. Emission Limitation: 1.93 TPY OC from the production operation.

Applicable Compliance Method: To determine annual OC emissions from all materials, compliance shall be based on the sum of the daily OC emission rates from production materials, as specified in section A.V.1.c. of this permit for the calendar year, divided by 2000 pounds/ton.
2. Any determination of organic compound content (percent by weight), solids content, or density of a material shall be based on the material as employed, including the addition of any thinner or viscosity reducer to the material. The permittee shall determine the composition of the material by formulation data supplied by the manufacturer or from data determined by an analysis of each material, as received, by U.S. EPA Reference Method 24 as referenced in 40 CFR Part 60, Appendix A. If formulation data is employed, the Ohio EPA may require the permittee to have a Reference Method 24 analysis or an equivalent, alternative method (as approved by Ohio EPA) performed on the material(s).

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VI. Miscellaneous Requirements

1. None

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Facility ID: 0204000133 Emissions Unit ID: P044 Issuance type: Title V Preliminary Proposed Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. 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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

	<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
2. Additional Terms and Conditions			
1.	None		

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II. Operational Restrictions

1. None

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III. Monitoring and/or Record Keeping Requirements

1. None

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IV. Reporting Requirements

1. None

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V. Testing Requirements

1. None

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VI. Miscellaneous Requirements

1. None

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 0204000133 Emissions Unit ID: P045 Issuance type: Title V Preliminary Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. 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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Compression mold press E-1 for fiberglass reinforced plastic parts	OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8 lbs/hr and 40 lbs/day from the production operation. See sections A.I.2.a. and A.I.2.b. below. See section A.I.2.c. below.
	OAC rule 3745-31-05(D) PTI 02-11793	
	OAC rule 3745-31-05(A)(3) PTI 02-11793	
		OC emissions shall not exceed 0.44 lb/hr, 10.56 lbs/day and 1.93 tons/year from the production operation.

2. Additional Terms and Conditions

- a. The emission limits specified in this rule are less stringent than the limit established pursuant to OAC rule 3745-31-05(A)(3).
- b. The emissions of organic materials from the production operation consist of styrene, a photochemically reactive material as defined in OAC rule 3745-21-01(C)(5).
- c. The combined VOC emissions from P010 - P018, P021 - P059 and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (This limitation is equivalent to the daily mold compound usage restriction, based on a styrene content up to 18%, by weight.)

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II. Operational Restrictions

1. The maximum mold compound usage for this emissions unit shall not exceed 7,880 lbs/day.

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information for each day for this emissions unit:
 - a. The company identification for each production material employed.
 - b. The weight of each production material employed, in pounds.
 - c. The weight of all production materials employed, in pounds.
 - d. The total organic compound emission rate for all production materials, in pounds.
 - e. The actual number of hours that the emissions unit was in operation.
 - f. The average hourly organic compound emission rate for all production materials, i.e., (d) divided by (e), in pounds per hour (average).
2. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
 - a. An identification of each day during which the average hourly OC emissions from the production materials exceeded 0.44 pound per hour, and the actual average hourly OC emissions for each such day.
 - b. An identification of each day during which the OC emissions from the production materials exceeded 10.56 pounds per day, and the actual OC emissions for each such day.

- c. An identification of each day during which the mold compound usage exceeded 7,880 pounds per day, and the actual usage for each such day.
- d. An identification of each month during which the rolling, 12-month VOC emissions from emission units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.
2. The permittee shall submit annual reports which specify the total organic compound emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year.
3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 of each year.

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V. **Testing Requirements**

1. Compliance with the allowable emission limitations in section A.I.1. of these terms and conditions shall be determined in accordance with the following methods:
- a. Emission Limitation: 183.53 TPY VOC, including emissions from cleanup materials
- Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.
- b. Emission Limitation: 0.44 lb OC/hr from the production operation.
- Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.1.f. If required, the permittee shall demonstrate compliance with this emission limitation through emission tests, performed in accordance with 40 CFR Part 60, Appendix A, Method 18, 25 or 25A, as appropriate.
- c. Emission Limitation: 10.56 lbs OC/day from the production operation.
- Applicable Compliance Method: Compliance shall be determined in accordance with the following method:
- $$ES(\text{lbs/day}) = (\text{Summation of } P_i) \times EF.$$
- where:
 $ES(\text{lbs/day})$ = the organic compound emissions as styrene from production operations, in pounds per day.
 P_i = the production rate of mold compound i , in pounds per day.
 EF = emission factor for styrene emissions from mold presses, which is 0.00134 pound per pound of mold compound, as determined from a Society of Plastics Industry report, "Styrene Emissions during the Charging and Molding Cycle".
- d. Emission Limitation: 1.93 TPY OC from the production operation.
- Applicable Compliance Method: To determine annual OC emissions from all materials, compliance shall be based on the sum of the daily OC emission rates from production materials, as specified in section A.V.1.c. of this permit for the calendar year, divided by 2000 pounds/ton.
2. Any determination of organic compound content (percent by weight), solids content, or density of a material shall be based on the material as employed, including the addition of any thinner or viscosity reducer to the material. The permittee shall determine the composition of the material by formulation data supplied by the manufacturer or from data determined by an analysis of each material, as received, by U.S. EPA Reference Method 24 as referenced in 40 CFR Part 60, Appendix A. If formulation data is employed, the Ohio EPA may require the permittee to have a Reference Method 24 analysis or an equivalent, alternative method (as approved by Ohio EPA) performed on the material(s).

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0204000133 Emissions Unit ID: P045 Issuance type: Title V Preliminary Proposed Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. 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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
2. Additional Terms and Conditions		
1.	None	

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II. Operational Restrictions

- 1. None

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III. Monitoring and/or Record Keeping Requirements

- 1. None

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IV. Reporting Requirements

- 1. None

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V. Testing Requirements

- 1. None

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VI. Miscellaneous Requirements

- 1. None

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Facility ID: 0204000133 Issuance type: Title V Preliminary Proposed Permit

Part III - Terms and Conditions for Emissions Units

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Facility ID: 0204000133 Emissions Unit ID: P046 Issuance type: Title V Preliminary Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. 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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
Compression mold press E-2 for fiberglass reinforced plastic parts	OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8 lbs/hr and 40 lbs/day from the production operation. See sections A.I.2.a. and A.I.2.b. below. See section A.I.2.c. below.
	OAC rule 3745-31-05(D) PTI 02-11793	
	OAC rule 3745-31-05(A)(3) PTI 02-11793	

2. **Additional Terms and Conditions**

- a. The emission limits specified in this rule are less stringent than the limit established pursuant to OAC rule 3745-31-05(A)(3).
- b. The emissions of organic materials from the production operation consist of styrene, a photochemically reactive material as defined in OAC rule 3745-21-01(C)(5).
- c. The combined VOC emissions from P010 - P018, P021 - P059 and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (This limitation is equivalent to the daily mold compound usage restriction, based on a styrene content up to 18%, by weight.)

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II. **Operational Restrictions**

1. The maximum mold compound usage for this emissions unit shall not exceed 7,880 lbs/day.

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III. **Monitoring and/or Record Keeping Requirements**

1. The permittee shall collect and record the following information for each day for this emissions unit:
 - a. The company identification for each production material employed.
 - b. The weight of each production material employed, in pounds.
 - c. The weight of all production materials employed, in pounds.
 - d. The total organic compound emission rate for all production materials, in pounds.
 - e. The actual number of hours that the emissions unit was in operation.
 - f. The average hourly organic compound emission rate for all production materials, i.e., (d) divided by (e), in pounds per hour (average).
2. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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IV. **Reporting Requirements**

1. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
 - a. An identification of each day during which the average hourly OC emissions from the production materials exceeded 0.44 pound per hour, and the actual average hourly OC emissions for each such day.
 - b. An identification of each day during which the OC emissions from the production materials exceeded 10.56 pounds per day, and the actual OC emissions for each such day.
 - c. An identification of each day during which the mold compound usage exceeded 7,880 pounds per day, and the actual usage for each such day.
 - d. An identification of each month during which the rolling, 12-month VOC emissions from emission units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.
2. The permittee shall submit annual reports which specify the total organic compound emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year.

3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 of each year.

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V. **Testing Requirements**

1. Compliance with the allowable emission limitations in section A.I.1. of these terms and conditions shall be determined in accordance with the following methods:
 - a. Emission Limitation: 183.53 TPY VOC, including emissions from cleanup materials

Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.
 - b. Emission Limitation: 0.44 lb OC/hr from the production operation.

Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.1.f. If required, the permittee shall demonstrate compliance with this emission limitation through emission tests, performed in accordance with 40 CFR Part 60, Appendix A, Method 18, 25 or 25A, as appropriate.
 - c. Emission Limitation: 10.56 lbs OC/day from the production operation.

Applicable Compliance Method: Compliance shall be determined in accordance with the following method:

$$ES(\text{lbs/day}) = (\text{Summation of } P_i) \times EF.$$

where:
 $ES(\text{lbs/day})$ = the organic compound emissions as styrene from production operations, in pounds per day.
 P_i = the production rate of mold compound i , in pounds per day.
 EF = emission factor for styrene emissions from mold presses, which is 0.00134 pound per pound of mold compound, as determined from a Society of Plastics Industry report, "Styrene Emissions during the Charging and Molding Cycle".
 - d. Emission Limitation: 1.93 TPY OC from the production operation.

Applicable Compliance Method: To determine annual OC emissions from all materials, compliance shall be based on the sum of the daily OC emission rates from production materials, as specified in section A.V.1.c. of this permit for the calendar year, divided by 2000 pounds/ton.
2. Any determination of organic compound content (percent by weight), solids content, or density of a material shall be based on the material as employed, including the addition of any thinner or viscosity reducer to the material. The permittee shall determine the composition of the material by formulation data supplied by the manufacturer or from data determined by an analysis of each material, as received, by U.S. EPA Reference Method 24 as referenced in 40 CFR Part 60, Appendix A. If formulation data is employed, the Ohio EPA may require the permittee to have a Reference Method 24 analysis or an equivalent, alternative method (as approved by Ohio EPA) performed on the material(s).

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0204000133 Emissions Unit ID: P046 Issuance type: Title V Preliminary Proposed Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. 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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
2. Additional Terms and Conditions		
1. None		

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II. Operational Restrictions

1. None

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III. Monitoring and/or Record Keeping Requirements

1. None

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IV. Reporting Requirements

1. None

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V. Testing Requirements

1. None

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VI. Miscellaneous Requirements

1. None

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 0204000133 Emissions Unit ID: P047 Issuance type: Title V Preliminary Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. 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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Compression mold press E-3 for fiberglass	OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8

reinforced plastic parts

OAC rule 3745-31-05(D)
PTI 02-11793
OAC rule 3745-31-05(A)(3)
PTI 02-11793

lbs/hr and 40 lbs/day from the production operation.
See sections A.I.2.a. and A.I.2.b. below.
See section A.I.2.c. below.

OC emissions shall not exceed 0.44 lb/hr, 10.56 lbs/day and 1.93 tons/year from the production operation.

2. Additional Terms and Conditions

- a. The emission limits specified in this rule are less stringent than the limit established pursuant to OAC rule 3745-31-05(A)(3).
- b. The emissions of organic materials from the production operation consist of styrene, a photochemically reactive material as defined in OAC rule 3745-21-01(C)(5).
- c. The combined VOC emissions from P010 - P018, P021 - P059 and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (This limitation is equivalent to the daily mold compound usage restriction, based on a styrene content up to 18%, by weight.)

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THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION.

II. Operational Restrictions

1. The maximum mold compound usage for this emissions unit shall not exceed 7,880 lbs/day.

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information for each day for this emissions unit:
 - a. The company identification for each production material employed.
 - b. The weight of each production material employed, in pounds.
 - c. The weight of all production materials employed, in pounds.
 - d. The total organic compound emission rate for all production materials, in pounds.
 - e. The actual number of hours that the emissions unit was in operation.
 - f. The average hourly organic compound emission rate for all production materials, i.e., (d) divided by (e), in pounds per hour (average).
2. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
 - a. An identification of each day during which the average hourly OC emissions from the production materials exceeded 0.44 pound per hour, and the actual average hourly OC emissions for each such day.
 - b. An identification of each day during which the OC emissions from the production materials exceeded 10.56 pounds per day, and the actual OC emissions for each such day.
 - c. An identification of each day during which the mold compound usage exceeded 7,880 pounds per day, and the actual usage for each such day.
 - d. An identification of each month during which the rolling, 12-month VOC emissions from emission units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.
2. The permittee shall submit annual reports which specify the total organic compound emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year.
3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 of each year.

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V. Testing Requirements

1. Compliance with the allowable emission limitations in section A.I.1. of these terms and conditions shall be determined in accordance with the following methods:
 - a. Emission Limitation: 183.53 TPY VOC, including emissions from cleanup materials

Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.
 - b. Emission Limitation: 0.44 lb OC/hr from the production operation.

Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.1.f. If required, the permittee shall demonstrate compliance with this emission limitation through emission tests, performed in accordance with 40 CFR Part 60, Appendix A, Method 18, 25 or 25A, as appropriate.
 - c. Emission Limitation: 10.56 lbs OC/day from the production operation.

Applicable Compliance Method: Compliance shall be determined in accordance with the following method:

$$ES(\text{lbs/day}) = (\text{Summation of } P_i) \times EF.$$

where:
 ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day.
 P_i = the production rate of mold compound i, in pounds per day.
 EF = emission factor for styrene emissions from mold presses, which is 0.00134 pound per pound of mold compound, as determined from a Society of Plastics Industry report, "Styrene Emissions during the Charging and Molding Cycle".
 - d. Emission Limitation: 1.93 TPY OC from the production operation.

Applicable Compliance Method: To determine annual OC emissions from all materials, compliance shall be based on the sum of the daily OC emission rates from production materials, as specified in section A.V.1.c. of this permit for the calendar year, divided by 2000 pounds/ton.
2. Any determination of organic compound content (percent by weight), solids content, or density of a material shall be based on the material as employed, including the addition of any thinner or viscosity reducer to the material. The permittee shall determine the composition of the material by formulation data supplied by the manufacturer or from data determined by an analysis of each material, as received, by U.S. EPA Reference Method 24 as referenced in 40 CFR Part 60, Appendix A. If formulation data is employed, the Ohio EPA may require the permittee to have a Reference Method 24 analysis or an equivalent, alternative method (as approved by Ohio EPA) performed on the material(s).

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0204000133 Emissions Unit ID: P047 Issuance type: Title V Preliminary Proposed Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. **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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

- | | <u>Operations, Property, and/or Equipment</u> | <u>Applicable Rules/Requirements</u> | <u>Applicable Emissions Limitations/Control Measures</u> |
|---|---|--------------------------------------|--|
| 2. Additional Terms and Conditions | | | |
| 1. None | | | |

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II. **Operational Restrictions**

1. None

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III. **Monitoring and/or Record Keeping Requirements**

1. None

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IV. **Reporting Requirements**

1. None

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V. **Testing Requirements**

1. None

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0204000133 Issuance type: Title V Preliminary Proposed Permit

Part III - Terms and Conditions for Emissions Units

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Facility ID: 0204000133 Emissions Unit ID: P048 Issuance type: Title V Preliminary Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. **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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Compression mold press E-4 for fiberglass reinforced plastic parts	OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8 lbs/hr and 40 lbs/day from the production operation. See sections A.I.2.a. and A.I.2.b. below.
	OAC rule 3745-31-05(D) PTI 02-11793	See section A.I.2.c. below.
	OAC rule 3745-31-05(A)(3) PTI 02-11793	OC emissions shall not exceed 0.44 lb/hr, 10.56 lbs/day and 1.93 tons/year from the production operation.

2. **Additional Terms and Conditions**

- a. The emission limits specified in this rule are less stringent than the limit established pursuant to OAC rule 3745-31-05(A)(3).
- b. The emissions of organic materials from the production operation consist of styrene, a photochemically reactive material as defined in OAC rule 3745-21-01(C)(5).
- c. The combined VOC emissions from P010 - P018, P021 - P059 and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (This limitation is equivalent to the daily mold compound usage restriction, based on a styrene content up to 18%, by weight.)

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II. Operational Restrictions

1. The maximum mold compound usage for this emissions unit shall not exceed 7,880 lbs/day.

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information for each day for this emissions unit:
 - a. The company identification for each production material employed.
 - b. The weight of each production material employed, in pounds.
 - c. The weight of all production materials employed, in pounds.
 - d. The total organic compound emission rate for all production materials, in pounds.
 - e. The actual number of hours that the emissions unit was in operation.
 - f. The average hourly organic compound emission rate for all production materials, i.e., (d) divided by (e), in pounds per hour (average).
2. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
 - a. An identification of each day during which the average hourly OC emissions from the production materials exceeded 0.44 pound per hour, and the actual average hourly OC emissions for each such day.
 - b. An identification of each day during which the OC emissions from the production materials exceeded 10.56 pounds per day, and the actual OC emissions for each such day.
 - c. An identification of each day during which the mold compound usage exceeded 7,880 pounds per day, and the actual usage for each such day.
 - d. An identification of each month during which the rolling, 12-month VOC emissions from emission units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.
2. The permittee shall submit annual reports which specify the total organic compound emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year.
3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 of each year.

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V. Testing Requirements

1. Compliance with the allowable emission limitations in section A.I.1. of these terms and conditions shall be determined in accordance with the following methods:
 - a. Emission Limitation: 183.53 TPY VOC, including emissions from cleanup materials

Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.
 - b. Emission Limitation: 0.44 lb OC/hr from the production operation.

Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.1.f. If required, the permittee shall demonstrate compliance with this emission limitation through emission tests, performed in accordance with 40 CFR Part 60, Appendix A, Method 18, 25 or 25A, as appropriate.

- c. Emission Limitation: 10.56 lbs OC/day from the production operation.

Applicable Compliance Method: Compliance shall be determined in accordance with the following method:

$$ES(\text{lbs/day}) = (\text{Summation of } P_i) \times EF.$$

where:

ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day.

P_i = the production rate of mold compound i , in pounds per day.

EF = emission factor for styrene emissions from mold presses, which is 0.00134 pound per pound of mold compound, as determined from a Society of Plastics Industry report, "Styrene Emissions during the Charging and Molding Cycle".

- d. Emission Limitation: 1.93 TPY OC from the production operation.

Applicable Compliance Method: To determine annual OC emissions from all materials, compliance shall be based on the sum of the daily OC emission rates from production materials, as specified in section A.V.1.c. of this permit for the calendar year, divided by 2000 pounds/ton.

2. Any determination of organic compound content (percent by weight), solids content, or density of a material shall be based on the material as employed, including the addition of any thinner or viscosity reducer to the material. The permittee shall determine the composition of the material by formulation data supplied by the manufacturer or from data determined by an analysis of each material, as received, by U.S. EPA Reference Method 24 as referenced in 40 CFR Part 60, Appendix A. If formulation data is employed, the Ohio EPA may require the permittee to have a Reference Method 24 analysis or an equivalent, alternative method (as approved by Ohio EPA) performed on the material(s).

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0204000133 Emissions Unit ID: P048 Issuance type: Title V Preliminary Proposed Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. **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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

	<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
2. Additional Terms and Conditions			
1.	None		

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II. Operational Restrictions

- 1. None

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III. Monitoring and/or Record Keeping Requirements

- 1. None

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IV. Reporting Requirements

- 1. None

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V. Testing Requirements

- 1. None

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VI. Miscellaneous Requirements

- 1. None

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Facility ID: 0204000133 Issuance type: Title V Preliminary Proposed Permit

Part III - Terms and Conditions for Emissions Units

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Facility ID: 0204000133 Emissions Unit ID: P049 Issuance type: Title V Preliminary Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. 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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Compression mold press E-5 for fiberglass reinforced plastic parts	OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8 lbs/hr and 40 lbs/day from the production operation. See sections A.I.2.a. and A.I.2.b. below. See section A.I.2.c. below.
	OAC rule 3745-31-05(D) PTI 02-11793	
	OAC rule 3745-31-05(A)(3) PTI 02-11793	
		OC emissions shall not exceed 0.44 lb/hr, 10.56 lbs/day and 1.93 tons/year from the production operation.

2. Additional Terms and Conditions

- a. The emission limits specified in this rule are less stringent than the limit established pursuant to OAC rule 3745-31-05(A)(3).
- b. The emissions of organic materials from the production operation consist of styrene, a photochemically reactive material as defined in OAC rule 3745-21-01(C)(5).
- c. The combined VOC emissions from P010 - P018, P021 - P059 and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (This limitation is equivalent to the

daily mold compound usage restriction, based on a styrene content up to 18%, by weight.)

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II. Operational Restrictions

1. The maximum mold compound usage for this emissions unit shall not exceed 7,880 lbs/day.

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information for each day for this emissions unit:
 - a. The company identification for each production material employed.
 - b. The weight of each production material employed, in pounds.
 - c. The weight of all production materials employed, in pounds.
 - d. The total organic compound emission rate for all production materials, in pounds.
 - e. The actual number of hours that the emissions unit was in operation.
 - f. The average hourly organic compound emission rate for all production materials, i.e., (d) divided by (e), in pounds per hour (average).
2. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
 - a. An identification of each day during which the average hourly OC emissions from the production materials exceeded 0.44 pound per hour, and the actual average hourly OC emissions for each such day.
 - b. An identification of each day during which the OC emissions from the production materials exceeded 10.56 pounds per day, and the actual OC emissions for each such day.
 - c. An identification of each day during which the mold compound usage exceeded 7,880 pounds per day, and the actual usage for each such day.
 - d. An identification of each month during which the rolling, 12-month VOC emissions from emission units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.
2. The permittee shall submit annual reports which specify the total organic compound emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year.
3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 of each year.

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V. Testing Requirements

1. Compliance with the allowable emission limitations in section A.I.1. of these terms and conditions shall be determined in accordance with the following methods:
 - a. Emission Limitation: 183.53 TPY VOC, including emissions from cleanup materials

Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.
 - b. Emission Limitation: 0.44 lb OC/hr from the production operation.

Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.1.f. If required, the permittee shall demonstrate compliance with this emission limitation through emission tests, performed in accordance with 40 CFR Part 60, Appendix A, Method 18, 25 or 25A, as appropriate.
 - c. Emission Limitation: 10.56 lbs OC/day from the production operation.

Applicable Compliance Method: Compliance shall be determined in accordance with the following method:

$$ES(\text{lbs/day}) = (\text{Summation of } P_i) \times EF.$$

where:

ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day.

P_i = the production rate of mold compound i, in pounds per day.

EF = emission factor for styrene emissions from mold presses, which is 0.00134 pound per pound of mold compound, as determined from a Society of Plastics Industry report, "Styrene Emissions during the Charging and Molding Cycle".

- d. Emission Limitation: 1.93 TPY OC from the production operation.

Applicable Compliance Method: To determine annual OC emissions from all materials, compliance shall be based on the sum of the daily OC emission rates from production materials, as specified in section A.V.1.c. of this permit for the calendar year, divided by 2000 pounds/ton.

- 2. Any determination of organic compound content (percent by weight), solids content, or density of a material shall be based on the material as employed, including the addition of any thinner or viscosity reducer to the material. The permittee shall determine the composition of the material by formulation data supplied by the manufacturer or from data determined by an analysis of each material, as received, by U.S. EPA Reference Method 24 as referenced in 40 CFR Part 60, Appendix A. If formulation data is employed, the Ohio EPA may require the permittee to have a Reference Method 24 analysis or an equivalent, alternative method (as approved by Ohio EPA) performed on the material(s).

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 0204000133 Emissions Unit ID: P049 Issuance type: Title V Preliminary Proposed Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. **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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

	<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
2. Additional Terms and Conditions			
1.	None		

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II. **Operational Restrictions**

- 1. None

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III. **Monitoring and/or Record Keeping Requirements**

- 1. None

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IV. Reporting Requirements

- 1. None

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V. Testing Requirements

- 1. None

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VI. Miscellaneous Requirements

- 1. None

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Facility ID: 0204000133 Emissions Unit ID: P050 Issuance type: Title V Preliminary Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. 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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Compression mold press E-6 for fiberglass reinforced plastic parts	OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8 lbs/hr and 40 lbs/day from the production operation. See sections A.I.2.a. and A.I.2.b. below.
	OAC rule 3745-31-05(D) PTI 02-11793	
	OAC rule 3745-31-05(A)(3) PTI 02-11793	OC emissions shall not exceed 0.44 lb/hr, 10.56 lbs/day and 1.93 tons/year from the production operation.

2. Additional Terms and Conditions

- a. The emission limits specified in this rule are less stringent than the limit established pursuant to OAC rule 3745-31-05(A)(3).
- b. The emissions of organic materials from the production operation consist of styrene, a photochemically reactive material as defined in OAC rule 3745-21-01(C)(5).
- c. The combined VOC emissions from P010 - P018, P021 - P059 and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (This limitation is equivalent to the daily mold compound usage restriction, based on a styrene content up to 18%, by weight.)

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THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION.

II. Operational Restrictions

- 1. The maximum mold compound usage for this emissions unit shall not exceed 7,880 lbs/day.

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information for each day for this emissions unit:
 - a. The company identification for each production material employed.
 - b. The weight of each production material employed, in pounds.
 - c. The weight of all production materials employed, in pounds.
 - d. The total organic compound emission rate for all production materials, in pounds.
 - e. The actual number of hours that the emissions unit was in operation.
 - f. The average hourly organic compound emission rate for all production materials, i.e., (d) divided by (e), in pounds per hour (average).
2. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
 - a. An identification of each day during which the average hourly OC emissions from the production materials exceeded 0.44 pound per hour, and the actual average hourly OC emissions for each such day.
 - b. An identification of each day during which the OC emissions from the production materials exceeded 10.56 pounds per day, and the actual OC emissions for each such day.
 - c. An identification of each day during which the mold compound usage exceeded 7,880 pounds per day, and the actual usage for each such day.
 - d. An identification of each month during which the rolling, 12-month VOC emissions from emission units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.
2. The permittee shall submit annual reports which specify the total organic compound emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year.
3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 of each year.

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V. Testing Requirements

1. Compliance with the allowable emission limitations in section A.I.1. of these terms and conditions shall be determined in accordance with the following methods:
 - a. Emission Limitation: 183.53 TPY VOC, including emissions from cleanup materials

Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.
 - b. Emission Limitation: 0.44 lb OC/hr from the production operation.

Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.1.f. If required, the permittee shall demonstrate compliance with this emission limitation through emission tests, performed in accordance with 40 CFR Part 60, Appendix A, Method 18, 25 or 25A, as appropriate.
 - c. Emission Limitation: 10.56 lbs OC/day from the production operation.

Applicable Compliance Method: Compliance shall be determined in accordance with the following method:

$$ES(\text{lbs/day}) = (\text{Summation of } P_i) \times EF.$$

where:
 $ES(\text{lbs/day})$ = the organic compound emissions as styrene from production operations, in pounds per day.
 P_i = the production rate of mold compound i , in pounds per day.

EF = emission factor for styrene emissions from mold presses, which is 0.00134 pound per pound of mold compound, as determined from a Society of Plastics Industry report, "Styrene Emissions during the Charging and Molding Cycle".

- d. Emission Limitation: 1.93 TPY OC from the production operation.

Applicable Compliance Method: To determine annual OC emissions from all materials, compliance shall be based on the sum of the daily OC emission rates from production materials, as specified in section A.V.1.c. of this permit for the calendar year, divided by 2000 pounds/ton.

- 2. Any determination of organic compound content (percent by weight), solids content, or density of a material shall be based on the material as employed, including the addition of any thinner or viscosity reducer to the material. The permittee shall determine the composition of the material by formulation data supplied by the manufacturer or from data determined by an analysis of each material, as received, by U.S. EPA Reference Method 24 as referenced in 40 CFR Part 60, Appendix A. If formulation data is employed, the Ohio EPA may require the permittee to have a Reference Method 24 analysis or an equivalent, alternative method (as approved by Ohio EPA) performed on the material(s).

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 0204000133 Emissions Unit ID: P050 Issuance type: Title V Preliminary Proposed Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. **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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

	<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
2. Additional Terms and Conditions			
1.	None		

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II. **Operational Restrictions**

- 1. None

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III. **Monitoring and/or Record Keeping Requirements**

- 1. None

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IV. **Reporting Requirements**

- 1. None

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V. **Testing Requirements**

1. None

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VI. **Miscellaneous Requirements**

1. None

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 0204000133 Emissions Unit ID: P051 Issuance type: Title V Preliminary Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. **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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Compression mold press E-7 for fiberglass reinforced plastic parts	OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8 lbs/hr and 40 lbs/day from the production operation. See sections A.I.2.a. and A.I.2.b. below.
	OAC rule 3745-31-05(D) PTI 02-11793	See section A.I.2.c. below.
	OAC rule 3745-31-05(A)(3) PTI 02-11793	OC emissions shall not exceed 0.44 lb/hr, 10.56 lbs/day and 1.93 tons/year from the production operation.

2. **Additional Terms and Conditions**

- a. The emission limits specified in this rule are less stringent than the limit established pursuant to OAC rule 3745-31-05(A)(3).
- b. The emissions of organic materials from the production operation consist of styrene, a photochemically reactive material as defined in OAC rule 3745-21-01(C)(5).
- c. The combined VOC emissions from P010 - P018, P021 - P059 and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (This limitation is equivalent to the daily mold compound usage restriction, based on a styrene content up to 18%, by weight.)

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II. **Operational Restrictions**

1. The maximum mold compound usage for this emissions unit shall not exceed 7,880 lbs/day.

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III. **Monitoring and/or Record Keeping Requirements**

1. The permittee shall collect and record the following information for each day for this emissions unit:
 - a. The company identification for each production material employed.

- b. The weight of each production material employed, in pounds.
 - c. The weight of all production materials employed, in pounds.
 - d. The total organic compound emission rate for all production materials, in pounds.
 - e. The actual number of hours that the emissions unit was in operation.
 - f. The average hourly organic compound emission rate for all production materials, i.e., (d) divided by (e), in pounds per hour (average).
- 2. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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IV. Reporting Requirements

- 1. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
 - a. An identification of each day during which the average hourly OC emissions from the production materials exceeded 0.44 pound per hour, and the actual average hourly OC emissions for each such day.
 - b. An identification of each day during which the OC emissions from the production materials exceeded 10.56 pounds per day, and the actual OC emissions for each such day.
 - c. An identification of each day during which the mold compound usage exceeded 7,880 pounds per day, and the actual usage for each such day.
 - d. An identification of each month during which the rolling, 12-month VOC emissions from emission units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.
- 2. The permittee shall submit annual reports which specify the total organic compound emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year.
- 3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 of each year.

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V. Testing Requirements

- 1. Compliance with the allowable emission limitations in section A.I.1. of these terms and conditions shall be determined in accordance with the following methods:
 - a. Emission Limitation: 183.53 TPY VOC, including emissions from cleanup materials

Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.
 - b. Emission Limitation: 0.44 lb OC/hr from the production operation.

Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.1.f. If required, the permittee shall demonstrate compliance with this emission limitation through emission tests, performed in accordance with 40 CFR Part 60, Appendix A, Method 18, 25 or 25A, as appropriate.
 - c. Emission Limitation: 10.56 lbs OC/day from the production operation.

Applicable Compliance Method: Compliance shall be determined in accordance with the following method:

$$ES(\text{lbs/day}) = (\text{Summation of } P_i) \times EF.$$

where:
 $ES(\text{lbs/day})$ = the organic compound emissions as styrene from production operations, in pounds per day.
 P_i = the production rate of mold compound i , in pounds per day.
 EF = emission factor for styrene emissions from mold presses, which is 0.00134 pound per pound of mold compound, as determined from a Society of Plastics Industry report, "Styrene Emissions during the Charging and Molding Cycle".
 - d. Emission Limitation: 1.93 TPY OC from the production operation.

Applicable Compliance Method: To determine annual OC emissions from all materials, compliance shall

be based on the sum of the daily OC emission rates from production materials, as specified in section A.V.1.c. of this permit for the calendar year, divided by 2000 pounds/ton.

2. Any determination of organic compound content (percent by weight), solids content, or density of a material shall be based on the material as employed, including the addition of any thinner or viscosity reducer to the material. The permittee shall determine the composition of the material by formulation data supplied by the manufacturer or from data determined by an analysis of each material, as received, by U.S. EPA Reference Method 24 as referenced in 40 CFR Part 60, Appendix A. If formulation data is employed, the Ohio EPA may require the permittee to have a Reference Method 24 analysis or an equivalent, alternative method (as approved by Ohio EPA) performed on the material(s).

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0204000133 Emissions Unit ID: P051 Issuance type: Title V Preliminary Proposed Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. **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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

	<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
2. Additional Terms and Conditions			
1.	None		

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II. **Operational Restrictions**

1. None

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III. **Monitoring and/or Record Keeping Requirements**

1. None

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IV. **Reporting Requirements**

1. None

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V. **Testing Requirements**

1. None

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VI. **Miscellaneous Requirements**

1. None

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 0204000133 Emissions Unit ID: P052 Issuance type: Title V Preliminary Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. **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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Compression mold press G-1 for fiberglass reinforced plastic parts	OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8 lbs/hr and 40 lbs/day from the production operation. See sections A.I.2.a. and A.I.2.b. below.
	OAC rule 3745-31-05(D) PTI 02-11793	
	OAC rule 3745-31-05(A)(3) PTI 02-11793	OC emissions shall not exceed 0.44 lb/hr, 10.56 lbs/day and 1.93 tons/year from the production operation.

2. **Additional Terms and Conditions**

- a. The emission limits specified in this rule are less stringent than the limit established pursuant to OAC rule 3745-31-05(A)(3).
- b. The emissions of organic materials from the production operation consist of styrene, a photochemically reactive material as defined in OAC rule 3745-21-01(C)(5).
- c. The combined VOC emissions from P010 - P018, P021 - P059 and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (This limitation is equivalent to the daily mold compound usage restriction, based on a styrene content up to 18%, by weight.)

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II. **Operational Restrictions**

1. The maximum mold compound usage for this emissions unit shall not exceed 7,880 lbs/day.

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III. **Monitoring and/or Record Keeping Requirements**

1. The permittee shall collect and record the following information for each day for this emissions unit:
 - a. The company identification for each production material employed.
 - b. The weight of each production material employed, in pounds.
 - c. The weight of all production materials employed, in pounds.
 - d. The total organic compound emission rate for all production materials, in pounds.
 - e. The actual number of hours that the emissions unit was in operation.
 - f. The average hourly organic compound emission rate for all production materials, i.e., (d) divided by (e), in

pounds per hour (average).

2. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
 - a. An identification of each day during which the average hourly OC emissions from the production materials exceeded 0.44 pound per hour, and the actual average hourly OC emissions for each such day.
 - b. An identification of each day during which the OC emissions from the production materials exceeded 10.56 pounds per day, and the actual OC emissions for each such day.
 - c. An identification of each day during which the mold compound usage exceeded 7,880 pounds per day, and the actual usage for each such day.
 - d. An identification of each month during which the rolling, 12-month VOC emissions from emission units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.
2. The permittee shall submit annual reports which specify the total organic compound emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year.
3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 of each year.

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V. Testing Requirements

1. Compliance with the allowable emission limitations in section A.I.1. of these terms and conditions shall be determined in accordance with the following methods:
 - a. Emission Limitation: 183.53 TPY VOC, including emissions from cleanup materials

Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.
 - b. Emission Limitation: 0.44 lb OC/hr from the production operation.

Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.1.f. If required, the permittee shall demonstrate compliance with this emission limitation through emission tests, performed in accordance with 40 CFR Part 60, Appendix A, Method 18, 25 or 25A, as appropriate.
 - c. Emission Limitation: 10.56 lbs OC/day from the production operation.

Applicable Compliance Method: Compliance shall be determined in accordance with the following method:

$$ES(\text{lbs/day}) = (\text{Summation of } P_i) \times EF.$$

where:
 $ES(\text{lbs/day})$ = the organic compound emissions as styrene from production operations, in pounds per day.
 P_i = the production rate of mold compound i , in pounds per day.
 EF = emission factor for styrene emissions from mold presses, which is 0.00134 pound per pound of mold compound, as determined from a Society of Plastics Industry report, "Styrene Emissions during the Charging and Molding Cycle".
 - d. Emission Limitation: 1.93 TPY OC from the production operation.

Applicable Compliance Method: To determine annual OC emissions from all materials, compliance shall be based on the sum of the daily OC emission rates from production materials, as specified in section A.V.1.c. of this permit for the calendar year, divided by 2000 pounds/ton.
2. Any determination of organic compound content (percent by weight), solids content, or density of a material shall be based on the material as employed, including the addition of any thinner or viscosity reducer to the material. The permittee shall determine the composition of the material by formulation data supplied by the manufacturer or from data determined by an analysis of each material, as received, by U.S. EPA Reference Method 24 as referenced in 40 CFR Part 60, Appendix A. If formulation data is employed, the Ohio EPA may require the permittee to have a Reference Method 24 analysis or an equivalent, alternative method (as

approved by Ohio EPA) performed on the material(s).

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0204000133 Emissions Unit ID: P052 Issuance type: Title V Preliminary Proposed Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. **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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

	<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
2. Additional Terms and Conditions			
1.	None		

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II. **Operational Restrictions**

1. None

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III. **Monitoring and/or Record Keeping Requirements**

1. None

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IV. **Reporting Requirements**

1. None

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V. **Testing Requirements**

1. None

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0204000133 Emissions Unit ID: P053 Issuance type: Title V Preliminary Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. 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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Compression mold press G-2 for fiberglass reinforced plastic parts	OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8 lbs/hr and 40 lbs/day from the production operation. See sections A.I.2.a. and A.I.2.b. below.
	OAC rule 3745-31-05(D) PTI 02-11793	
	OAC rule 3745-31-05(A)(3) PTI 02-11793	OC emissions shall not exceed 0.74 lb/hr, 17.76 lbs/day and 3.24 tons/year from the production operation.

2. Additional Terms and Conditions

- a. The emission limits specified in this rule are less stringent than the limit established pursuant to OAC rule 3745-31-05(A)(3).
- b. The emissions of organic materials from the production operation consist of styrene, a photochemically reactive material as defined in OAC rule 3745-21-01(C)(5).
- c. The combined VOC emissions from P010 - P018, P021 - P059 and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (This limitation is equivalent to the daily mold compound usage restriction, based on a styrene content up to 18%, by weight.)

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II. Operational Restrictions

1. The maximum mold compound usage for this emissions unit shall not exceed 13,200 lbs/day.

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information for each day for this emissions unit:
 - a. The company identification for each production material employed.
 - b. The weight of each production material employed, in pounds.
 - c. The weight of all production materials employed, in pounds.
 - d. The total organic compound emission rate for all production materials, in pounds.
 - e. The actual number of hours that the emissions unit was in operation.
 - f. The average hourly organic compound emission rate for all production materials, i.e., (d) divided by (e), in pounds per hour (average).
2. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
 - a. An identification of each day during which the average hourly OC emissions from the production materials exceeded 0.74 pound per hour, and the actual average hourly OC emissions for each such day.
 - b. An identification of each day during which the OC emissions from the production materials exceeded 17.76 pounds per day, and the actual OC emissions for each such day.
 - c. An identification of each day during which the mold compound usage exceeded 13,200 pounds per day, and the actual usage for each such day.
 - d. An identification of each month during which the rolling, 12-month VOC emissions from emission units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.
2. The permittee shall submit annual reports which specify the total organic compound emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year.
3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 of each year.

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V. Testing Requirements

1. Compliance with the allowable emission limitations in section A.I.1. of these terms and conditions shall be determined in accordance with the following methods:
 - a. Emission Limitation: 183.53 TPY VOC, including emissions from cleanup materials

Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.
 - b. Emission Limitation: 0.74 lb OC/hr from the production operation.

Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.1.f. If required, the permittee shall demonstrate compliance with this emission limitation through emission tests, performed in accordance with 40 CFR Part 60, Appendix A, Method 18, 25 or 25A, as appropriate.
 - c. Emission Limitation: 17.76 lbs OC/day from the production operation.

Applicable Compliance Method: Compliance shall be determined in accordance with the following method:

$$ES(\text{lbs/day}) = (\text{Summation of } P_i) \times EF.$$

where:
 $ES(\text{lbs/day})$ = the organic compound emissions as styrene from production operations, in pounds per day.
 P_i = the production rate of mold compound i , in pounds per day.
 EF = emission factor for styrene emissions from mold presses, which is 0.00134 pound per pound of mold compound, as determined from a Society of Plastics Industry report, "Styrene Emissions during the Charging and Molding Cycle".
 - d. Emission Limitation: 3.24 TPY OC from the production operation.

Applicable Compliance Method: To determine annual OC emissions from all materials, compliance shall be based on the sum of the daily OC emission rates from production materials, as specified in section A.V.1.c. of this permit for the calendar year, divided by 2000 pounds/ton.
2. Any determination of organic compound content (percent by weight), solids content, or density of a material shall be based on the material as employed, including the addition of any thinner or viscosity reducer to the material. The permittee shall determine the composition of the material by formulation data supplied by the manufacturer or from data determined by an analysis of each material, as received, by U.S. EPA Reference Method 24 as referenced in 40 CFR Part 60, Appendix A. If formulation data is employed, the Ohio EPA may require the permittee to have a Reference Method 24 analysis or an equivalent, alternative method (as approved by Ohio EPA) performed on the material(s).

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VI. Miscellaneous Requirements

1. None

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Facility ID: 0204000133 Emissions Unit ID: P053 Issuance type: Title V Preliminary Proposed Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. 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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

	<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
2. Additional Terms and Conditions			
1.	None		

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II. Operational Restrictions

- 1. None

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III. Monitoring and/or Record Keeping Requirements

- 1. None

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IV. Reporting Requirements

- 1. None

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V. Testing Requirements

- 1. None

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VI. Miscellaneous Requirements

- 1. None

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 0204000133 Emissions Unit ID: P054 Issuance type: Title V Preliminary Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. 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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Compression mold press G-3 for fiberglass reinforced plastic parts	OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8 lbs/hr and 40 lbs/day from the production operation. See sections A.I.2.a. and A.I.2.b. below.
	OAC rule 3745-31-05(D) PTI 02-11793	
	OAC rule 3745-31-05(A)(3) PTI 02-11793	OC emissions shall not exceed 0.74 lb/hr, 17.76 lbs/day and 3.24 tons/year from the production operation.

2. Additional Terms and Conditions

- a. The emission limits specified in this rule are less stringent than the limit established pursuant to OAC rule 3745-31-05(A)(3).
- b. The emissions of organic materials from the production operation consist of styrene, a photochemically reactive material as defined in OAC rule 3745-21-01(C)(5).
- c. The combined VOC emissions from P010 - P018, P021 - P059 and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (This limitation is equivalent to the daily mold compound usage restriction, based on a styrene content up to 18%, by weight.)

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II. Operational Restrictions

1. The maximum mold compound usage for this emissions unit shall not exceed 13,200 lbs/day.

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information for each day for this emissions unit:
 - a. The company identification for each production material employed.
 - b. The weight of each production material employed, in pounds.
 - c. The weight of all production materials employed, in pounds.
 - d. The total organic compound emission rate for all production materials, in pounds.
 - e. The actual number of hours that the emissions unit was in operation.
 - f. The average hourly organic compound emission rate for all production materials, i.e., (d) divided by (e), in pounds per hour (average).
2. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
 - a. An identification of each day during which the average hourly OC emissions from the production materials exceeded 0.74 pound per hour, and the actual average hourly OC emissions for each such day.
 - b. An identification of each day during which the OC emissions from the production materials exceeded 17.76 pounds per day, and the actual OC emissions for each such day.

- c. An identification of each day during which the mold compound usage exceeded 13,200 pounds per day, and the actual usage for each such day.
 - d. An identification of each month during which the rolling, 12-month VOC emissions from emission units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.
- 2. The permittee shall submit annual reports which specify the total organic compound emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year.
- 3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 of each year.

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V. **Testing Requirements**

- 1. Compliance with the allowable emission limitations in section A.I.1. of these terms and conditions shall be determined in accordance with the following methods:
 - a. Emission Limitation: 183.53 TPY VOC, including emissions from cleanup materials

Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.
 - b. Emission Limitation: 0.74 lb OC/hr from the production operation.

Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.1.f. If required, the permittee shall demonstrate compliance with this emission limitation through emission tests, performed in accordance with 40 CFR Part 60, Appendix A, Method 18, 25 or 25A, as appropriate.
 - c. Emission Limitation: 17.76 lbs OC/day from the production operation.

Applicable Compliance Method: Compliance shall be determined in accordance with the following method:

$$ES(\text{lbs/day}) = (\text{Summation of } P_i) \times EF.$$

where:
 $ES(\text{lbs/day})$ = the organic compound emissions as styrene from production operations, in pounds per day.
 P_i = the production rate of mold compound i , in pounds per day.
 EF = emission factor for styrene emissions from mold presses, which is 0.00134 pound per pound of mold compound, as determined from a Society of Plastics Industry report, "Styrene Emissions during the Charging and Molding Cycle".
 - d. Emission Limitation: 3.24 TPY OC from the production operation.

Applicable Compliance Method: To determine annual OC emissions from all materials, compliance shall be based on the sum of the daily OC emission rates from production materials, as specified in section A.V.1.c. of this permit for the calendar year, divided by 2000 pounds/ton.
- 2. Any determination of organic compound content (percent by weight), solids content, or density of a material shall be based on the material as employed, including the addition of any thinner or viscosity reducer to the material. The permittee shall determine the composition of the material by formulation data supplied by the manufacturer or from data determined by an analysis of each material, as received, by U.S. EPA Reference Method 24 as referenced in 40 CFR Part 60, Appendix A. If formulation data is employed, the Ohio EPA may require the permittee to have a Reference Method 24 analysis or an equivalent, alternative method (as approved by Ohio EPA) performed on the material(s).

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 0204000133 Emissions Unit ID: P054 Issuance type: Title V Preliminary Proposed Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. 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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
2. Additional Terms and Conditions		

- 1. None

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II. Operational Restrictions

- 1. None

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III. Monitoring and/or Record Keeping Requirements

- 1. None

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IV. Reporting Requirements

- 1. None

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V. Testing Requirements

- 1. None

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VI. Miscellaneous Requirements

- 1. None

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 0204000133 Emissions Unit ID: P055 Issuance type: Title V Preliminary Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. 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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
Compression mold press G-4 for fiberglass reinforced plastic parts	OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8 lbs/hr and 40 lbs/day from the production operation. See sections A.I.2.a. and A.I.2.b. below.
	OAC rule 3745-31-05(D) PTI 02-11793	
	OAC rule 3745-31-05(A)(3) PTI 02-11793	OC emissions shall not exceed 0.64 lb/hr, 13.68 lbs/day and 2.49 tons/year from the production operation.

2. **Additional Terms and Conditions**

- a. The emission limits specified in this rule are less stringent than the limit established pursuant to OAC rule 3745-31-05(A)(3).
- b. The emissions of organic materials from the production operation consist of styrene, a photochemically reactive material as defined in OAC rule 3745-21-01(C)(5).
- c. The combined VOC emissions from P010 - P018, P021 - P059 and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (This limitation is equivalent to the daily mold compound usage restriction, based on a styrene content up to 18%, by weight.)

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II. **Operational Restrictions**

1. The maximum mold compound usage for this emissions unit shall not exceed 10,200 lbs/day.

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III. **Monitoring and/or Record Keeping Requirements**

1. The permittee shall collect and record the following information for each day for this emissions unit:
 - a. The company identification for each production material employed.
 - b. The weight of each production material employed, in pounds.
 - c. The weight of all production materials employed, in pounds.
 - d. The total organic compound emission rate for all production materials, in pounds.
 - e. The actual number of hours that the emissions unit was in operation.
 - f. The average hourly organic compound emission rate for all production materials, i.e., (d) divided by (e), in pounds per hour (average).
2. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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IV. **Reporting Requirements**

1. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
 - a. An identification of each day during which the average hourly OC emissions from the production materials exceeded 0.64 pound per hour, and the actual average hourly OC emissions for each such day.
 - b. An identification of each day during which the OC emissions from the production materials exceeded 13.68 pounds per day, and the actual OC emissions for each such day.
 - c. An identification of each day during which the mold compound usage exceeded 10,200 pounds per day, and the actual usage for each such day.
 - d. An identification of each month during which the rolling, 12-month VOC emissions from emission units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.
2. The permittee shall submit annual reports which specify the total organic compound emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year.

3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 of each year.

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V. **Testing Requirements**

1. Compliance with the allowable emission limitations in section A.I.1. of these terms and conditions shall be determined in accordance with the following methods:
 - a. Emission Limitation: 183.53 TPY VOC, including emissions from cleanup materials

Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.
 - b. Emission Limitation: 0.64 lb OC/hr from the production operation.

Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.1.f. If required, the permittee shall demonstrate compliance with this emission limitation through emission tests, performed in accordance with 40 CFR Part 60, Appendix A, Method 18, 25 or 25A, as appropriate.
 - c. Emission Limitation: 13.68 lbs OC/day from the production operation.

Applicable Compliance Method: Compliance shall be determined in accordance with the following method:

ES(lbs/day) = (Summation of Pi) x EF.

where:
ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day.

Pi = the production rate of mold compound i, in pounds per day.

EF = emission factor for styrene emissions from mold presses, which is 0.00134 pound per pound of mold compound, as determined from a Society of Plastics Industry report, "Styrene Emissions during the Charging and Molding Cycle".
 - d. Emission Limitation: 2.49 TPY OC from the production operation.

Applicable Compliance Method: To determine annual OC emissions from all materials, compliance shall be based on the sum of the daily OC emission rates from production materials, as specified in section A.V.1.c. of this permit for the calendar year, divided by 2000 pounds/ton.
2. Any determination of organic compound content (percent by weight), solids content, or density of a material shall be based on the material as employed, including the addition of any thinner or viscosity reducer to the material. The permittee shall determine the composition of the material by formulation data supplied by the manufacturer or from data determined by an analysis of each material, as received, by U.S. EPA Reference Method 24 as referenced in 40 CFR Part 60, Appendix A. If formulation data is employed, the Ohio EPA may require the permittee to have a Reference Method 24 analysis or an equivalent, alternative method (as approved by Ohio EPA) performed on the material(s).

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0204000133 Emissions Unit ID: P055 Issuance type: Title V Preliminary Proposed Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. 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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
2. Additional Terms and Conditions		
1. None		

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II. Operational Restrictions

1. None

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III. Monitoring and/or Record Keeping Requirements

1. None

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IV. Reporting Requirements

1. None

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V. Testing Requirements

1. None

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VI. Miscellaneous Requirements

1. None

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 0204000133 Emissions Unit ID: P056 Issuance type: Title V Preliminary Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. 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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Compression mold press G-5 for fiberglass	OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8

reinforced plastic parts

OAC rule 3745-31-05(D)
PTI 02-11793
OAC rule 3745-31-05(A)(3)
PTI 02-11793

lbs/hr and 40 lbs/day from the production operation.
See sections A.I.2.a. and A.I.2.b. below.
See section A.I.2.c. below.

OC emissions shall not exceed 0.64 lb/hr, 13.68
lbs/day and 2.49 tons/year from the production
operation.

2. Additional Terms and Conditions

- a. The emission limits specified in this rule are less stringent than the limit established pursuant to OAC rule 3745-31-05(A)(3).
- b. The emissions of organic materials from the production operation consist of styrene, a photochemically reactive material as defined in OAC rule 3745-21-01(C)(5).
- c. The combined VOC emissions from P010 - P018, P021 - P059 and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (This limitation is equivalent to the daily mold compound usage restriction, based on a styrene content up to 18%, by weight.)

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THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION.

II. Operational Restrictions

1. The maximum mold compound usage for this emissions unit shall not exceed 10,200 lbs/day.

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information for each day for this emissions unit:
 - a. The company identification for each production material employed.
 - b. The weight of each production material employed, in pounds.
 - c. The weight of all production materials employed, in pounds.
 - d. The total organic compound emission rate for all production materials, in pounds.
 - e. The actual number of hours that the emissions unit was in operation.
 - f. The average hourly organic compound emission rate for all production materials, i.e., (d) divided by (e), in pounds per hour (average).
2. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
 - a. An identification of each day during which the average hourly OC emissions from the production materials exceeded 0.64 pound per hour, and the actual average hourly OC emissions for each such day.
 - b. An identification of each day during which the OC emissions from the production materials exceeded 13.68 pounds per day, and the actual OC emissions for each such day.
 - c. An identification of each day during which the mold compound usage exceeded 10,200 pounds per day, and the actual usage for each such day.
 - d. An identification of each month during which the rolling, 12-month VOC emissions from emission units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.
2. The permittee shall submit annual reports which specify the total organic compound emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year.
3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 of each year.

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V. Testing Requirements

1. Compliance with the allowable emission limitations in section A.I.1. of these terms and conditions shall be determined in accordance with the following methods:
 - a. Emission Limitation: 183.53 TPY VOC, including emissions from cleanup materials

Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.
 - b. Emission Limitation: 0.64 lb OC/hr from the production operation.

Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.1.f. If required, the permittee shall demonstrate compliance with this emission limitation through emission tests, performed in accordance with 40 CFR Part 60, Appendix A, Method 18, 25 or 25A, as appropriate.
 - c. Emission Limitation: 13.68 lbs OC/day from the production operation.

Applicable Compliance Method: Compliance shall be determined in accordance with the following method:

$$ES(\text{lbs/day}) = (\text{Summation of } P_i) \times EF.$$

where:
 $ES(\text{lbs/day})$ = the organic compound emissions as styrene from production operations, in pounds per day.
 P_i = the production rate of mold compound i , in pounds per day.
 EF = emission factor for styrene emissions from mold presses, which is 0.00134 pound per pound of mold compound, as determined from a Society of Plastics Industry report, "Styrene Emissions during the Charging and Molding Cycle".
 - d. Emission Limitation: 2.49 TPY OC from the production operation.

Applicable Compliance Method: To determine annual OC emissions from all materials, compliance shall be based on the sum of the daily OC emission rates from production materials, as specified in section A.V.1.c. of this permit for the calendar year, divided by 2000 pounds/ton.
2. Any determination of organic compound content (percent by weight), solids content, or density of a material shall be based on the material as employed, including the addition of any thinner or viscosity reducer to the material. The permittee shall determine the composition of the material by formulation data supplied by the manufacturer or from data determined by an analysis of each material, as received, by U.S. EPA Reference Method 24 as referenced in 40 CFR Part 60, Appendix A. If formulation data is employed, the Ohio EPA may require the permittee to have a Reference Method 24 analysis or an equivalent, alternative method (as approved by Ohio EPA) performed on the material(s).

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0204000133 Emissions Unit ID: P056 Issuance type: Title V Preliminary Proposed Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. **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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

- | | <u>Operations, Property, and/or Equipment</u> | <u>Applicable Rules/Requirements</u> | <u>Applicable Emissions Limitations/Control Measures</u> |
|---|---|--------------------------------------|--|
| 2. Additional Terms and Conditions | | | |
| 1. None | | | |

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II. **Operational Restrictions**

1. None

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III. **Monitoring and/or Record Keeping Requirements**

1. None

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IV. **Reporting Requirements**

1. None

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V. **Testing Requirements**

1. None

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VI. **Miscellaneous Requirements**

1. None

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 0204000133 Emissions Unit ID: P057 Issuance type: Title V Preliminary Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. **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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Compression mold press G-6 for fiberglass reinforced plastic parts	OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8 lbs/hr and 40 lbs/day from the production operation. See sections A.I.2.a. and A.I.2.b. below.
	OAC rule 3745-31-05(D) PTI 02-11793	See section A.I.2.c. below.
	OAC rule 3745-31-05(A)(3) PTI 02-11793	OC emissions shall not exceed 0.74 lb/hr, 17.76 lbs/day and 3.24 tons/year from the production operation.

2. **Additional Terms and Conditions**

- a. The emission limits specified in this rule are less stringent than the limit established pursuant to OAC rule 3745-31-05(A)(3).
- b. The emissions of organic materials from the production operation consist of styrene, a photochemically reactive material as defined in OAC rule 3745-21-01(C)(5).
- c. The combined VOC emissions from P010 - P018, P021 - P059 and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (This limitation is equivalent to the daily mold compound usage restriction, based on a styrene content up to 18%, by weight.)

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II. Operational Restrictions

1. The maximum mold compound usage for this emissions unit shall not exceed 13,200 lbs/day.

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information for each day for this emissions unit:
 - a. The company identification for each production material employed.
 - b. The weight of each production material employed, in pounds.
 - c. The weight of all production materials employed, in pounds.
 - d. The total organic compound emission rate for all production materials, in pounds.
 - e. The actual number of hours that the emissions unit was in operation.
 - f. The average hourly organic compound emission rate for all production materials, i.e., (d) divided by (e), in pounds per hour (average).
2. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
 - a. An identification of each day during which the average hourly OC emissions from the production materials exceeded 0.74 pound per hour, and the actual average hourly OC emissions for each such day.
 - b. An identification of each day during which the OC emissions from the production materials exceeded 17.76 pounds per day, and the actual OC emissions for each such day.
 - c. An identification of each day during which the mold compound usage exceeded 13,200 pounds per day, and the actual usage for each such day.
 - d. An identification of each month during which the rolling, 12-month VOC emissions from emission units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.
2. The permittee shall submit annual reports which specify the total organic compound emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year.
3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 of each year.

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V. Testing Requirements

1. Compliance with the allowable emission limitations in section A.I.1. of these terms and conditions shall be determined in accordance with the following methods:
 - a. Emission Limitation: 183.53 TPY VOC, including emissions from cleanup materials

Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.
 - b. Emission Limitation: 0.74 lb OC/hr from the production operation.

Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.1.f. If required, the permittee shall demonstrate compliance with this emission limitation through emission tests, performed in accordance with 40 CFR Part 60, Appendix A, Method 18, 25 or 25A, as appropriate.

- c. Emission Limitation: 17.76 lbs OC/day from the production operation.

Applicable Compliance Method: Compliance shall be determined in accordance with the following method:

$$ES(\text{lbs/day}) = (\text{Summation of } P_i) \times EF.$$

where:

ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day.

P_i = the production rate of mold compound i, in pounds per day.

EF = emission factor for styrene emissions from mold presses, which is 0.00134 pound per pound of mold compound, as determined from a Society of Plastics Industry report, "Styrene Emissions during the Charging and Molding Cycle".

- d. Emission Limitation: 3.24 TPY OC from the production operation.

Applicable Compliance Method: To determine annual OC emissions from all materials, compliance shall be based on the sum of the daily OC emission rates from production materials, as specified in section A.V.1.c. of this permit for the calendar year, divided by 2000 pounds/ton.

- 2. Any determination of organic compound content (percent by weight), solids content, or density of a material shall be based on the material as employed, including the addition of any thinner or viscosity reducer to the material. The permittee shall determine the composition of the material by formulation data supplied by the manufacturer or from data determined by an analysis of each material, as received, by U.S. EPA Reference Method 24 as referenced in 40 CFR Part 60, Appendix A. If formulation data is employed, the Ohio EPA may require the permittee to have a Reference Method 24 analysis or an equivalent, alternative method (as approved by Ohio EPA) performed on the material(s).

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 0204000133 Emissions Unit ID: P057 Issuance type: Title V Preliminary Proposed Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. **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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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- 2. **Additional Terms and Conditions**

- 1. None

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II. Operational Restrictions

- 1. None

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III. Monitoring and/or Record Keeping Requirements

- 1. None

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IV. Reporting Requirements

- 1. None

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V. Testing Requirements

- 1. None

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VI. Miscellaneous Requirements

- 1. None

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 0204000133 Emissions Unit ID: P058 Issuance type: Title V Preliminary Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. 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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Compression mold press G-7 for fiberglass reinforced plastic parts	OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8 lbs/hr and 40 lbs/day from the production operation. See sections A.I.2.a. and A.I.2.b. below. See section A.I.2.c. below.
	OAC rule 3745-31-05(D) PTI 02-11793	
	OAC rule 3745-31-05(A)(3) PTI 02-11793	
		OC emissions shall not exceed 0.74 lb/hr, 17.76 lbs/day and 3.24 tons/year from the production operation.

2. Additional Terms and Conditions

- a. The emission limits specified in this rule are less stringent than the limit established pursuant to OAC rule 3745-31-05(A)(3).
- b. The emissions of organic materials from the production operation consist of styrene, a photochemically reactive material as defined in OAC rule 3745-21-01(C)(5).
- c. The combined VOC emissions from P010 - P018, P021 - P059 and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (This limitation is equivalent to the

daily mold compound usage restriction, based on a styrene content up to 18%, by weight.)

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II. Operational Restrictions

1. The maximum mold compound usage for this emissions unit shall not exceed 13,200 lbs/day.

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information for each day for this emissions unit:
 - a. The company identification for each production material employed.
 - b. The weight of each production material employed, in pounds.
 - c. The weight of all production materials employed, in pounds.
 - d. The total organic compound emission rate for all production materials, in pounds.
 - e. The actual number of hours that the emissions unit was in operation.
 - f. The average hourly organic compound emission rate for all production materials, i.e., (d) divided by (e), in pounds per hour (average).
2. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
 - a. An identification of each day during which the average hourly OC emissions from the production materials exceeded 0.74 pound per hour, and the actual average hourly OC emissions for each such day.
 - b. An identification of each day during which the OC emissions from the production materials exceeded 17.76 pounds per day, and the actual OC emissions for each such day.
 - c. An identification of each day during which the mold compound usage exceeded 13,200 pounds per day, and the actual usage for each such day.
 - d. An identification of each month during which the rolling, 12-month VOC emissions from emission units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.
2. The permittee shall submit annual reports which specify the total organic compound emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year.
3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 of each year.

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V. Testing Requirements

1. Compliance with the allowable emission limitations in section A.I.1. of these terms and conditions shall be determined in accordance with the following methods:
 - a. Emission Limitation: 183.53 TPY VOC, including emissions from cleanup materials

Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.
 - b. Emission Limitation: 0.74 lb OC/hr from the production operation.

Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.1.f. If required, the permittee shall demonstrate compliance with this emission limitation through emission tests, performed in accordance with 40 CFR Part 60, Appendix A, Method 18, 25 or 25A, as appropriate.
 - c. Emission Limitation: 17.76 lbs OC/day from the production operation.

Applicable Compliance Method: Compliance shall be determined in accordance with the following method:

$$ES(\text{lbs/day}) = (\text{Summation of } P_i) \times EF.$$

where:

ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day.

P_i = the production rate of mold compound i, in pounds per day.

EF = emission factor for styrene emissions from mold presses, which is 0.00134 pound per pound of mold compound, as determined from a Society of Plastics Industry report, "Styrene Emissions during the Charging and Molding Cycle".

- d. Emission Limitation: 3.24 TPY OC from the production operation.

Applicable Compliance Method: To determine annual OC emissions from all materials, compliance shall be based on the sum of the daily OC emission rates from production materials, as specified in section A.V.1.c. of this permit for the calendar year, divided by 2000 pounds/ton.

- 2. Any determination of organic compound content (percent by weight), solids content, or density of a material shall be based on the material as employed, including the addition of any thinner or viscosity reducer to the material. The permittee shall determine the composition of the material by formulation data supplied by the manufacturer or from data determined by an analysis of each material, as received, by U.S. EPA Reference Method 24 as referenced in 40 CFR Part 60, Appendix A. If formulation data is employed, the Ohio EPA may require the permittee to have a Reference Method 24 analysis or an equivalent, alternative method (as approved by Ohio EPA) performed on the material(s).

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 0204000133 Emissions Unit ID: P058 Issuance type: Title V Preliminary Proposed Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. **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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

	<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
2. Additional Terms and Conditions			
1.	None		

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II. **Operational Restrictions**

- 1. None

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III. **Monitoring and/or Record Keeping Requirements**

- 1. None

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IV. Reporting Requirements

- 1. None

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V. Testing Requirements

- 1. None

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VI. Miscellaneous Requirements

- 1. None

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Facility ID: 0204000133 Emissions Unit ID: P059 Issuance type: Title V Preliminary Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. 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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Compression mold press G-8 for fiberglass reinforced plastic parts	OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8 lbs/hr and 40 lbs/day from the production operation. See sections A.I.2.a. and A.I.2.b. below. See section A.I.2.c. below.
	OAC rule 3745-31-05(D) PTI 02-11793	
	OAC rule 3745-31-05(A)(3) PTI 02-11793	

2. Additional Terms and Conditions

- a. The emission limits specified in this rule are less stringent than the limit established pursuant to OAC rule 3745-31-05(A)(3).
- b. The emissions of organic materials from the production operation consist of styrene, a photochemically reactive material as defined in OAC rule 3745-21-01(C)(5).
- c. The combined VOC emissions from P010 - P018, P021 - P059 and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (This limitation is equivalent to the daily mold compound usage restriction, based on a styrene content up to 18%, by weight.)

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II. Operational Restrictions

- 1. The maximum mold compound usage for this emissions unit shall not exceed 10,200 lbs/day.

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information for each day for this emissions unit:
 - a. The company identification for each production material employed.
 - b. The weight of each production material employed, in pounds.
 - c. The weight of all production materials employed, in pounds.
 - d. The total organic compound emission rate for all production materials, in pounds.
 - e. The actual number of hours that the emissions unit was in operation.
 - f. The average hourly organic compound emission rate for all production materials, i.e., (d) divided by (e), in pounds per hour (average).
2. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
 - a. An identification of each day during which the average hourly OC emissions from the production materials exceeded 0.64 pound per hour, and the actual average hourly OC emissions for each such day.
 - b. An identification of each day during which the OC emissions from the production materials exceeded 13.68 pounds per day, and the actual OC emissions for each such day.
 - c. An identification of each day during which the mold compound usage exceeded 10,200 pounds per day, and the actual usage for each such day.
 - d. An identification of each month during which the rolling, 12-month VOC emissions from emission units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.
2. The permittee shall submit annual reports which specify the total organic compound emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year.
3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 of each year.

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V. Testing Requirements

1. Compliance with the allowable emission limitations in section A.I.1. of these terms and conditions shall be determined in accordance with the following methods:
 - a. Emission Limitation: 183.53 TPY VOC, including emissions from cleanup materials

Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.
 - b. Emission Limitation: 0.64 lb OC/hr from the production operation.

Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.1.f. If required, the permittee shall demonstrate compliance with this emission limitation through emission tests, performed in accordance with 40 CFR Part 60, Appendix A, Method 18, 25 or 25A, as appropriate.
 - c. Emission Limitation: 13.68 lbs OC/day from the production operation.

Applicable Compliance Method: Compliance shall be determined in accordance with the following method:

$$ES(\text{lbs/day}) = (\text{Summation of } P_i) \times EF.$$

where:
 $ES(\text{lbs/day})$ = the organic compound emissions as styrene from production operations, in pounds per day.
 P_i = the production rate of mold compound i , in pounds per day.

EF = emission factor for styrene emissions from mold presses, which is 0.00134 pound per pound of mold compound, as determined from a Society of Plastics Industry report, "Styrene Emissions during the Charging and Molding Cycle".

- d. Emission Limitation: 2.49 TPY OC from the production operation.

Applicable Compliance Method: To determine annual OC emissions from all materials, compliance shall be based on the sum of the daily OC emission rates from production materials, as specified in section A.V.1.c. of this permit for the calendar year, divided by 2000 pounds/ton.

- 2. Any determination of organic compound content (percent by weight), solids content, or density of a material shall be based on the material as employed, including the addition of any thinner or viscosity reducer to the material. The permittee shall determine the composition of the material by formulation data supplied by the manufacturer or from data determined by an analysis of each material, as received, by U.S. EPA Reference Method 24 as referenced in 40 CFR Part 60, Appendix A. If formulation data is employed, the Ohio EPA may require the permittee to have a Reference Method 24 analysis or an equivalent, alternative method (as approved by Ohio EPA) performed on the material(s).

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 0204000133 Emissions Unit ID: P059 Issuance type: Title V Preliminary Proposed Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. **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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

	<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
2. Additional Terms and Conditions			
1.	None		

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II. **Operational Restrictions**

- 1. None

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III. **Monitoring and/or Record Keeping Requirements**

- 1. None

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IV. **Reporting Requirements**

- 1. None

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V. **Testing Requirements**

1. None

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0204000133 Emissions Unit ID: P061 Issuance type: Title V Preliminary Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. **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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Injection mold press H-1 for fiberglass reinforced plastic parts	OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8 lbs/hr and 40 lbs/day from the production operation. See sections A.I.2.a. and A.I.2.b. below.
	OAC rule 3745-31-05(D) PTI 02-11793	See section A.I.2.c. below.
	OAC rule 3745-31-05(A)(3) PTI 02-11793	OC emissions shall not exceed 0.37 lb/hr, 8.88 lbs/day and 1.62 tons/year from the production operation.

2. **Additional Terms and Conditions**

- a. The emission limits specified in this rule are less stringent than the limit established pursuant to OAC rule 3745-31-05(A)(3).
- b. The emissions of organic materials from the production operation consist of styrene, a photochemically reactive material as defined in OAC rule 3745-21-01(C)(5).
- c. The combined VOC emissions from P010 - P018, P021 - P059 and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (This limitation is equivalent to the daily mold compound usage restriction, based on a styrene content up to 18%, by weight.)

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II. **Operational Restrictions**

1. The maximum mold compound usage for this emissions unit shall not exceed 6,600 lbs/day.

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III. **Monitoring and/or Record Keeping Requirements**

1. The permittee shall collect and record the following information for each day for this emissions unit:
 - a. The company identification for each production material employed.
 - b. The weight of each production material employed, in pounds.

- c. The weight of all production materials employed, in pounds.
 - d. The total organic compound emission rate for all production materials, in pounds.
 - e. The actual number of hours that the emissions unit was in operation.
 - f. The average hourly organic compound emission rate for all production materials, i.e., (d) divided by (e), in pounds per hour (average).
2. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
 - a. An identification of each day during which the average hourly OC emissions from the production materials exceeded 0.37 pound per hour, and the actual average hourly OC emissions for each such day.
 - b. An identification of each day during which the OC emissions from the production materials exceeded 8.88 pounds per day, and the actual OC emissions for each such day.
 - c. An identification of each day during which the mold compound usage exceeded 6,600 pounds per day, and the actual usage for each such day.
 - d. An identification of each month during which the rolling, 12-month VOC emissions from emission units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.
2. The permittee shall submit annual reports which specify the total organic compound emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year.
3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 of each year.

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V. Testing Requirements

1. Compliance with the allowable emission limitations in section A.I.1. of these terms and conditions shall be determined in accordance with the following methods:
 - a. Emission Limitation: 183.53 TPY VOC, including emissions from cleanup materials

Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.
 - b. Emission Limitation: 0.37 lb OC/hr from the production operation.

Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.1.f. If required, the permittee shall demonstrate compliance with this emission limitation through emission tests, performed in accordance with 40 CFR Part 60, Appendix A, Method 18, 25 or 25A, as appropriate.
 - c. Emission Limitation: 8.88 lbs OC/day from the production operation.

Applicable Compliance Method: Compliance shall be determined in accordance with the following method:

$$ES(\text{lbs/day}) = (\text{Summation of } P_i) \times EF.$$

where:
 $ES(\text{lbs/day})$ = the organic compound emissions as styrene from production operations, in pounds per day.
 P_i = the production rate of mold compound i , in pounds per day.
 EF = emission factor for styrene emissions from mold presses, which is 0.00134 pound per pound of mold compound, as determined from a Society of Plastics Industry report, "Styrene Emissions during the Charging and Molding Cycle".
 - d. Emission Limitation: 1.62 TPY OC from the production operation.

Applicable Compliance Method: To determine annual OC emissions from all materials, compliance shall be based on the sum of the daily OC emission rates from production materials, as specified in section

A.V.1.c. of this permit for the calendar year, divided by 2000 pounds/ton.

2. Any determination of organic compound content (percent by weight), solids content, or density of a material shall be based on the material as employed, including the addition of any thinner or viscosity reducer to the material. The permittee shall determine the composition of the material by formulation data supplied by the manufacturer or from data determined by an analysis of each material, as received, by U.S. EPA Reference Method 24 as referenced in 40 CFR Part 60, Appendix A. If formulation data is employed, the Ohio EPA may require the permittee to have a Reference Method 24 analysis or an equivalent, alternative method (as approved by Ohio EPA) performed on the material(s).

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0204000133 Emissions Unit ID: P061 Issuance type: Title V Preliminary Proposed Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. **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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

	<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
2. Additional Terms and Conditions			
1.	None		

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II. **Operational Restrictions**

1. None

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III. **Monitoring and/or Record Keeping Requirements**

1. None

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IV. **Reporting Requirements**

1. None

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V. **Testing Requirements**

1. None

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0204000133 Emissions Unit ID: P062 Issuance type: Title V Preliminary Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. 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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Injection mold press H-2 for fiberglass reinforced plastic parts	OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8 lbs/hr and 40 lbs/day from the production operation. See sections A.1.2.a. and A.1.2.b. below.
	OAC rule 3745-31-05(D) PTI 02-11793	See section A.1.2.c. below.
	OAC rule 3745-31-05(A)(3) PTI 02-11793	OC emissions shall not exceed 0.37 lb/hr, 8.88 lbs/day and 1.62 tons/year from the production operation.

2. Additional Terms and Conditions

- a. The emission limits specified in this rule are less stringent than the limit established pursuant to OAC rule 3745-31-05(A)(3).
- b. The emissions of organic materials from the production operation consist of styrene, a photochemically reactive material as defined in OAC rule 3745-21-01(C)(5).
- c. The combined VOC emissions from P010 - P018, P021 - P059 and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (This limitation is equivalent to the daily mold compound usage restriction, based on a styrene content up to 18%, by weight.)

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II. Operational Restrictions

1. The maximum mold compound usage for this emissions unit shall not exceed 6,600 lbs/day.

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information for each day for this emissions unit:
 - a. The company identification for each production material employed.
 - b. The weight of each production material employed, in pounds.
 - c. The weight of all production materials employed, in pounds.
 - d. The total organic compound emission rate for all production materials, in pounds.
 - e. The actual number of hours that the emissions unit was in operation.
 - f. The average hourly organic compound emission rate for all production materials, i.e., (d) divided by (e), in pounds per hour (average).

2. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
 - a. An identification of each day during which the average hourly OC emissions from the production materials exceeded 0.37 pound per hour, and the actual average hourly OC emissions for each such day.
 - b. An identification of each day during which the OC emissions from the production materials exceeded 8.88 pounds per day, and the actual OC emissions for each such day.
 - c. An identification of each day during which the mold compound usage exceeded 6,600 pounds per day, and the actual usage for each such day.
 - d. An identification of each month during which the rolling, 12-month VOC emissions from emission units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.
2. The permittee shall submit annual reports which specify the total organic compound emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year.
3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 of each year.

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V. Testing Requirements

1. Compliance with the allowable emission limitations in section A.I.1. of these terms and conditions shall be determined in accordance with the following methods:
 - a. Emission Limitation: 183.53 TPY VOC, including emissions from cleanup materials

Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.
 - b. Emission Limitation: 0.37 lb OC/hr from the production operation.

Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.1.f. If required, the permittee shall demonstrate compliance with this emission limitation through emission tests, performed in accordance with 40 CFR Part 60, Appendix A, Method 18, 25 or 25A, as appropriate.
 - c. Emission Limitation: 8.88 lbs OC/day from the production operation.

Applicable Compliance Method: Compliance shall be determined in accordance with the following method:

$$ES(\text{lbs/day}) = (\text{Summation of } P_i) \times EF.$$

where:
 $ES(\text{lbs/day})$ = the organic compound emissions as styrene from production operations, in pounds per day.
 P_i = the production rate of mold compound i , in pounds per day.
 EF = emission factor for styrene emissions from mold presses, which is 0.00134 pound per pound of mold compound, as determined from a Society of Plastics Industry report, "Styrene Emissions during the Charging and Molding Cycle".
 - d. Emission Limitation: 1.62 TPY OC from the production operation.

Applicable Compliance Method: To determine annual OC emissions from all materials, compliance shall be based on the sum of the daily OC emission rates from production materials, as specified in section A.V.1.c. of this permit for the calendar year, divided by 2000 pounds/ton.
2. Any determination of organic compound content (percent by weight), solids content, or density of a material shall be based on the material as employed, including the addition of any thinner or viscosity reducer to the material. The permittee shall determine the composition of the material by formulation data supplied by the manufacturer or from data determined by an analysis of each material, as received, by U.S. EPA Reference Method 24 as referenced in 40 CFR Part 60, Appendix A. If formulation data is employed, the Ohio EPA may require the permittee to have a Reference Method 24 analysis or an equivalent, alternative method (as approved by Ohio EPA) performed on the material(s).

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 0204000133 Emissions Unit ID: P062 Issuance type: Title V Preliminary Proposed Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. **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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

	<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
2. Additional Terms and Conditions			
1.	None		

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II. **Operational Restrictions**

- 1. None

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III. **Monitoring and/or Record Keeping Requirements**

- 1. None

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IV. **Reporting Requirements**

- 1. None

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V. **Testing Requirements**

- 1. None

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 0204000133 Emissions Unit ID: P063 Issuance type: Title V Preliminary Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. 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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Injection mold press H-3 for fiberglass reinforced plastic parts	OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8 lbs/hr and 40 lbs/day from the production operation. See sections A.1.2.a. and A.1.2.b. below.
	OAC rule 3745-31-05(D) PTI 02-11793	See section A.1.2.c. below.
	OAC rule 3745-31-05(A)(3) PTI 02-11793	OC emissions shall not exceed 0.37 lb/hr, 8.88 lbs/day and 1.62 tons/year from the production operation.

2. Additional Terms and Conditions

- a. The emission limits specified in this rule are less stringent than the limit established pursuant to OAC rule 3745-31-05(A)(3).
- b. The emissions of organic materials from the production operation consist of styrene, a photochemically reactive material as defined in OAC rule 3745-21-01(C)(5).
- c. The combined VOC emissions from P010 - P018, P021 - P059 and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (This limitation is equivalent to the daily mold compound usage restriction, based on a styrene content up to 18%, by weight.)

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THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION.

II. Operational Restrictions

1. The maximum mold compound usage for this emissions unit shall not exceed 6,600 lbs/day.

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information for each day for this emissions unit:
 - a. The company identification for each production material employed.
 - b. The weight of each production material employed, in pounds.
 - c. The weight of all production materials employed, in pounds.
 - d. The total organic compound emission rate for all production materials, in pounds.
 - e. The actual number of hours that the emissions unit was in operation.
 - f. The average hourly organic compound emission rate for all production materials, i.e., (d) divided by (e), in pounds per hour (average).
2. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports which include the following information:

- a. An identification of each day during which the average hourly OC emissions from the production materials exceeded 0.37 pound per hour, and the actual average hourly OC emissions for each such day.
 - b. An identification of each day during which the OC emissions from the production materials exceeded 8.88 pounds per day, and the actual OC emissions for each such day.
 - c. An identification of each day during which the mold compound usage exceeded 6,600 pounds per day, and the actual usage for each such day.
 - d. An identification of each month during which the rolling, 12-month VOC emissions from emission units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.
2. The permittee shall submit annual reports which specify the total organic compound emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year.
 3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 of each year.

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V. **Testing Requirements**

1. Compliance with the allowable emission limitations in section A.I.1. of these terms and conditions shall be determined in accordance with the following methods:
 - a. Emission Limitation: 183.53 TPY VOC, including emissions from cleanup materials

Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.
 - b. Emission Limitation: 0.37 lb OC/hr from the production operation.

Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.1.f. If required, the permittee shall demonstrate compliance with this emission limitation through emission tests, performed in accordance with 40 CFR Part 60, Appendix A, Method 18, 25 or 25A, as appropriate.
 - c. Emission Limitation: 8.88 lbs OC/day from the production operation.

Applicable Compliance Method: Compliance shall be determined in accordance with the following method:

$$ES(\text{lbs/day}) = (\text{Summation of } P_i) \times EF.$$

where:
 $ES(\text{lbs/day})$ = the organic compound emissions as styrene from production operations, in pounds per day.
 P_i = the production rate of mold compound i , in pounds per day.
 EF = emission factor for styrene emissions from mold presses, which is 0.00134 pound per pound of mold compound, as determined from a Society of Plastics Industry report, "Styrene Emissions during the Charging and Molding Cycle".
 - d. Emission Limitation: 1.62 TPY OC from the production operation.

Applicable Compliance Method: To determine annual OC emissions from all materials, compliance shall be based on the sum of the daily OC emission rates from production materials, as specified in section A.V.1.c. of this permit for the calendar year, divided by 2000 pounds/ton.
2. Any determination of organic compound content (percent by weight), solids content, or density of a material shall be based on the material as employed, including the addition of any thinner or viscosity reducer to the material. The permittee shall determine the composition of the material by formulation data supplied by the manufacturer or from data determined by an analysis of each material, as received, by U.S. EPA Reference Method 24 as referenced in 40 CFR Part 60, Appendix A. If formulation data is employed, the Ohio EPA may require the permittee to have a Reference Method 24 analysis or an equivalent, alternative method (as approved by Ohio EPA) performed on the material(s).

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0204000133 Emissions Unit ID: P063 Issuance type: Title V Preliminary Proposed Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. 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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
2. Additional Terms and Conditions		
1. None		

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II. Operational Restrictions

- 1. None

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III. Monitoring and/or Record Keeping Requirements

- 1. None

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IV. Reporting Requirements

- 1. None

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V. Testing Requirements

- 1. None

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VI. Miscellaneous Requirements

- 1. None

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Facility ID: 0204000133 Issuance type: Title V Preliminary Proposed Permit

Part III - Terms and Conditions for Emissions Units

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Facility ID: 0204000133 Emissions Unit ID: P064 Issuance type: Title V Preliminary Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. 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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Injection mold press H-4 for fiberglass reinforced plastic parts	OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8 lbs/hr and 40 lbs/day from the production operation. See sections A.I.2.a. and A.I.2.b. below.
	OAC rule 3745-31-05(D) PTI 02-11793	See section A.I.2.c. below.
	OAC rule 3745-31-05(A)(3) PTI 02-11793	OC emissions shall not exceed 0.37 lb/hr, 8.88 lbs/day and 1.62 tons/year from the production operation.

2. Additional Terms and Conditions

- a. The emission limits specified in this rule are less stringent than the limit established pursuant to OAC rule 3745-31-05(A)(3).
- b. The emissions of organic materials from the production operation consist of styrene, a photochemically reactive material as defined in OAC rule 3745-21-01(C)(5).
- c. The combined VOC emissions from P010 - P018, P021 - P059 and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (This limitation is equivalent to the daily mold compound usage restriction, based on a styrene content up to 18%, by weight.)

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II. Operational Restrictions

1. The maximum mold compound usage for this emissions unit shall not exceed 6,600 lbs/day.

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information for each day for this emissions unit:
 - a. The company identification for each production material employed.
 - b. The weight of each production material employed, in pounds.
 - c. The weight of all production materials employed, in pounds.
 - d. The total organic compound emission rate for all production materials, in pounds.
 - e. The actual number of hours that the emissions unit was in operation.
 - f. The average hourly organic compound emission rate for all production materials, i.e., (d) divided by (e), in pounds per hour (average).
2. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
 - a. An identification of each day during which the average hourly OC emissions from the production materials exceeded 0.37 pound per hour, and the actual average hourly OC emissions for each such day.
 - b. An identification of each day during which the OC emissions from the production materials exceeded 8.88 pounds per day, and the actual OC emissions for each such day.
 - c. An identification of each day during which the mold compound usage exceeded 6,600 pounds per day, and the actual usage for each such day.

- d. An identification of each month during which the rolling, 12-month VOC emissions from emission units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.
2. The permittee shall submit annual reports which specify the total organic compound emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year.
3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 of each year.

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V. **Testing Requirements**

1. Compliance with the allowable emission limitations in section A.I.1. of these terms and conditions shall be determined in accordance with the following methods:
- a. Emission Limitation: 183.53 TPY VOC, including emissions from cleanup materials
- Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.
- b. Emission Limitation: 0.37 lb OC/hr from the production operation.
- Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.1.f. If required, the permittee shall demonstrate compliance with this emission limitation through emission tests, performed in accordance with 40 CFR Part 60, Appendix A, Method 18, 25 or 25A, as appropriate.
- c. Emission Limitation: 8.88 lbs OC/day from the production operation.
- Applicable Compliance Method: Compliance shall be determined in accordance with the following method:
- $$ES(\text{lbs/day}) = (\text{Summation of } P_i) \times EF.$$
- where:
 $ES(\text{lbs/day})$ = the organic compound emissions as styrene from production operations, in pounds per day.
- P_i = the production rate of mold compound i , in pounds per day.
- EF = emission factor for styrene emissions from mold presses, which is 0.00134 pound per pound of mold compound, as determined from a Society of Plastics Industry report, "Styrene Emissions during the Charging and Molding Cycle".
- d. Emission Limitation: 1.62 TPY OC from the production operation.
- Applicable Compliance Method: To determine annual OC emissions from all materials, compliance shall be based on the sum of the daily OC emission rates from production materials, as specified in section A.V.1.c. of this permit for the calendar year, divided by 2000 pounds/ton.
2. Any determination of organic compound content (percent by weight), solids content, or density of a material shall be based on the material as employed, including the addition of any thinner or viscosity reducer to the material. The permittee shall determine the composition of the material by formulation data supplied by the manufacturer or from data determined by an analysis of each material, as received, by U.S. EPA Reference Method 24 as referenced in 40 CFR Part 60, Appendix A. If formulation data is employed, the Ohio EPA may require the permittee to have a Reference Method 24 analysis or an equivalent, alternative method (as approved by Ohio EPA) performed on the material(s).

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0204000133 Emissions Unit ID: P064 Issuance type: Title V Preliminary Proposed Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. 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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
2. Additional Terms and Conditions		
1. None		

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II. Operational Restrictions

1. None

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III. Monitoring and/or Record Keeping Requirements

1. None

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IV. Reporting Requirements

1. None

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V. Testing Requirements

1. None

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VI. Miscellaneous Requirements

1. None

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 0204000133 Emissions Unit ID: P065 Issuance type: Title V Preliminary Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. 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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Injection mold press H-5 for fiberglass reinforced plastic parts	OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8 lbs/hr and 40 lbs/day from the production operation. See sections A.I.2.a. and A.I.2.b. below.
	OAC rule 3745-31-05(D) PTI 02-11793	See section A.I.2.c. below.
	OAC rule 3745-31-05(A)(3) PTI 02-11793	OC emissions shall not exceed 0.37 lb/hr, 8.88 lbs/day and 1.62 tons/year from the production operation.

2. **Additional Terms and Conditions**

- a. The emission limits specified in this rule are less stringent than the limit established pursuant to OAC rule 3745-31-05(A)(3).
- b. The emissions of organic materials from the production operation consist of styrene, a photochemically reactive material as defined in OAC rule 3745-21-01(C)(5).
- c. The combined VOC emissions from P010 - P018, P021 - P059 and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (This limitation is equivalent to the daily mold compound usage restriction, based on a styrene content up to 18%, by weight.)

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- II. **Operational Restrictions**

1. The maximum mold compound usage for this emissions unit shall not exceed 6,600 lbs/day.

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- III. **Monitoring and/or Record Keeping Requirements**

1. The permittee shall collect and record the following information for each day for this emissions unit:
 - a. The company identification for each production material employed.
 - b. The weight of each production material employed, in pounds.
 - c. The weight of all production materials employed, in pounds.
 - d. The total organic compound emission rate for all production materials, in pounds.
 - e. The actual number of hours that the emissions unit was in operation.
 - f. The average hourly organic compound emission rate for all production materials, i.e., (d) divided by (e), in pounds per hour (average).
2. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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- IV. **Reporting Requirements**

1. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
 - a. An identification of each day during which the average hourly OC emissions from the production materials exceeded 0.37 pound per hour, and the actual average hourly OC emissions for each such day.
 - b. An identification of each day during which the OC emissions from the production materials exceeded 8.88 pounds per day, and the actual OC emissions for each such day.
 - c. An identification of each day during which the mold compound usage exceeded 6,600 pounds per day, and the actual usage for each such day.
 - d. An identification of each month during which the rolling, 12-month VOC emissions from emission units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.
2. The permittee shall submit annual reports which specify the total organic compound emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year.
3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by

April 15 of each year.

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V. **Testing Requirements**

1. Compliance with the allowable emission limitations in section A.I.1. of these terms and conditions shall be determined in accordance with the following methods:
 - a. Emission Limitation: 183.53 TPY VOC, including emissions from cleanup materials

Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.
 - b. Emission Limitation: 0.37 lb OC/hr from the production operation.

Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.1.f. If required, the permittee shall demonstrate compliance with this emission limitation through emission tests, performed in accordance with 40 CFR Part 60, Appendix A, Method 18, 25 or 25A, as appropriate.
 - c. Emission Limitation: 8.88 lbs OC/day from the production operation.

Applicable Compliance Method: Compliance shall be determined in accordance with the following method:

$$ES(\text{lbs/day}) = (\text{Summation of } P_i) \times EF.$$

where:
 ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day.
 P_i = the production rate of mold compound i, in pounds per day.
 EF = emission factor for styrene emissions from mold presses, which is 0.00134 pound per pound of mold compound, as determined from a Society of Plastics Industry report, "Styrene Emissions during the Charging and Molding Cycle".
 - d. Emission Limitation: 1.62 TPY OC from the production operation.

Applicable Compliance Method: To determine annual OC emissions from all materials, compliance shall be based on the sum of the daily OC emission rates from production materials, as specified in section A.V.1.c. of this permit for the calendar year, divided by 2000 pounds/ton.
2. Any determination of organic compound content (percent by weight), solids content, or density of a material shall be based on the material as employed, including the addition of any thinner or viscosity reducer to the material. The permittee shall determine the composition of the material by formulation data supplied by the manufacturer or from data determined by an analysis of each material, as received, by U.S. EPA Reference Method 24 as referenced in 40 CFR Part 60, Appendix A. If formulation data is employed, the Ohio EPA may require the permittee to have a Reference Method 24 analysis or an equivalent, alternative method (as approved by Ohio EPA) performed on the material(s).

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0204000133 Emissions Unit ID: P065 Issuance type: Title V Preliminary Proposed Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. 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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
2. Additional Terms and Conditions		
1. None		

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II. Operational Restrictions

1. None

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III. Monitoring and/or Record Keeping Requirements

1. None

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IV. Reporting Requirements

1. None

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V. Testing Requirements

1. None

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VI. Miscellaneous Requirements

1. None

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Facility ID: 0204000133 Emissions Unit ID: P066 Issuance type: Title V Preliminary Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. 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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Injection mold press H-6 for fiberglass reinforced plastic parts	OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8 lbs/hr and 40 lbs/day from the production operation.

OAC rule 3745-31-05(D)
PTI 02-11793

See sections A.I.2.a. and A.I.2.b. below.
See section A.I.2.c. below.

OAC rule 3745-31-05(A)(3)
PTI 02-11793

OC emissions shall not exceed 0.37 lb/hr, 8.88 lbs/day
and 1.62 tons/year from the production operation.

2. **Additional Terms and Conditions**

- a. The emission limits specified in this rule are less stringent than the limit established pursuant to OAC rule 3745-31-05(A)(3).
- b. The emissions of organic materials from the production operation consist of styrene, a photochemically reactive material as defined in OAC rule 3745-21-01(C)(5).
- c. The combined VOC emissions from P010 - P018, P021 - P059 and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (This limitation is equivalent to the daily mold compound usage restriction, based on a styrene content up to 18%, by weight.)

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II. **Operational Restrictions**

1. The maximum mold compound usage for this emissions unit shall not exceed 6,600 lbs/day.

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III. **Monitoring and/or Record Keeping Requirements**

1. The permittee shall collect and record the following information for each day for this emissions unit:
 - a. The company identification for each production material employed.
 - b. The weight of each production material employed, in pounds.
 - c. The weight of all production materials employed, in pounds.
 - d. The total organic compound emission rate for all production materials, in pounds.
 - e. The actual number of hours that the emissions unit was in operation.
 - f. The average hourly organic compound emission rate for all production materials, i.e., (d) divided by (e), in pounds per hour (average).
2. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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IV. **Reporting Requirements**

1. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
 - a. An identification of each day during which the average hourly OC emissions from the production materials exceeded 0.37 pound per hour, and the actual average hourly OC emissions for each such day.
 - b. An identification of each day during which the OC emissions from the production materials exceeded 8.88 pounds per day, and the actual OC emissions for each such day.
 - c. An identification of each day during which the mold compound usage exceeded 6,600 pounds per day, and the actual usage for each such day.
 - d. An identification of each month during which the rolling, 12-month VOC emissions from emission units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.
2. The permittee shall submit annual reports which specify the total organic compound emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year.
3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 of each year.

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V. **Testing Requirements**

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

- a. Emission Limitation: 183.53 TPY VOC, including emissions from cleanup materials
 Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.
 - b. Emission Limitation: 0.37 lb OC/hr from the production operation.
 Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.1.f. If required, the permittee shall demonstrate compliance with this emission limitation through emission tests, performed in accordance with 40 CFR Part 60, Appendix A, Method 18, 25 or 25A, as appropriate.
 - c. Emission Limitation: 8.88 lbs OC/day from the production operation.
 Applicable Compliance Method: Compliance shall be determined in accordance with the following method:

$$ES(\text{lbs/day}) = (\text{Summation of } P_i) \times EF.$$
 where:
 ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day.
 P_i = the production rate of mold compound i, in pounds per day.
 EF = emission factor for styrene emissions from mold presses, which is 0.00134 pound per pound of mold compound, as determined from a Society of Plastics Industry report, "Styrene Emissions during the Charging and Molding Cycle".
 - d. Emission Limitation: 1.62 TPY OC from the production operation.
 Applicable Compliance Method: To determine annual OC emissions from all materials, compliance shall be based on the sum of the daily OC emission rates from production materials, as specified in section A.V.1.c. of this permit for the calendar year, divided by 2000 pounds/ton.
2. Any determination of organic compound content (percent by weight), solids content, or density of a material shall be based on the material as employed, including the addition of any thinner or viscosity reducer to the material. The permittee shall determine the composition of the material by formulation data supplied by the manufacturer or from data determined by an analysis of each material, as received, by U.S. EPA Reference Method 24 as referenced in 40 CFR Part 60, Appendix A. If formulation data is employed, the Ohio EPA may require the permittee to have a Reference Method 24 analysis or an equivalent, alternative method (as approved by Ohio EPA) performed on the material(s).

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 0204000133 Emissions Unit ID: P066 Issuance type: Title V Preliminary Proposed Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. **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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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2. **Additional Terms and Conditions**

- 1. None

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II. **Operational Restrictions**

- 1. None

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III. **Monitoring and/or Record Keeping Requirements**

- 1. None

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IV. **Reporting Requirements**

- 1. None

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V. **Testing Requirements**

- 1. None

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 0204000133 Emissions Unit ID: P067 Issuance type: Title V Preliminary Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. **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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Injection mold press H-7 for fiberglass reinforced plastic parts	OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8 lbs/hr and 40 lbs/day from the production operation. See sections A.I.2.a. and A.I.2.b. below.
	OAC rule 3745-31-05(D)	See section A.I.2.c. below.
	PTI 02-11793	
	OAC rule 3745-31-05(A)(3)	OC emissions shall not exceed 0.37 lb/hr, 8.88 lbs/day and 1.62 tons/year from the production operation.
	PTI 02-11793	

2. **Additional Terms and Conditions**

- a. The emission limits specified in this rule are less stringent than the limit established pursuant to OAC rule 3745-31-05(A)(3).

- b. The emissions of organic materials from the production operation consist of styrene, a photochemically reactive material as defined in OAC rule 3745-21-01(C)(5).
- c. The combined VOC emissions from P010 - P018, P021 - P059 and P061 - P067 shall be limited to 183.53 tons per year, based upon a rolling, 12-month summation. (This limitation is equivalent to the daily mold compound usage restriction, based on a styrene content up to 18%, by weight.)

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II. Operational Restrictions

1. The maximum mold compound usage for this emissions unit shall not exceed 6,600 lbs/day.

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information for each day for this emissions unit:
 - a. The company identification for each production material employed.
 - b. The weight of each production material employed, in pounds.
 - c. The weight of all production materials employed, in pounds.
 - d. The total organic compound emission rate for all production materials, in pounds.
 - e. The actual number of hours that the emissions unit was in operation.
 - f. The average hourly organic compound emission rate for all production materials, i.e., (d) divided by (e), in pounds per hour (average).
2. The permittee shall maintain monthly records of the total VOC emissions and the rolling, 12-month VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067, in tons.

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IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
 - a. An identification of each day during which the average hourly OC emissions from the production materials exceeded 0.37 pound per hour, and the actual average hourly OC emissions for each such day.
 - b. An identification of each day during which the OC emissions from the production materials exceeded 8.88 pounds per day, and the actual OC emissions for each such day.
 - c. An identification of each day during which the mold compound usage exceeded 6,600 pounds per day, and the actual usage for each such day.
 - d. An identification of each month during which the rolling, 12-month VOC emissions from emission units P010 - P018, P021 - P059, and P061 - P067 exceeded 183.53 tons per year, and the actual VOC emissions for each such month.
2. The permittee shall submit annual reports which specify the total organic compound emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year.
3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 of each year.

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V. Testing Requirements

1. Compliance with the allowable emission limitations in section A.I.1. of these terms and conditions shall be determined in accordance with the following methods:
 - a. Emission Limitation: 183.53 TPY VOC, including emissions from cleanup materials

Applicable Compliance Method: Compliance shall be the sum of the monthly VOC emissions for P010 - P018, P021 - P059 and P061 - P067, as specified in section A.III.2., for each rolling 12-month period, divided by 2000 pounds/ton.
 - b. Emission Limitation: 0.37 lb OC/hr from the production operation.

Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record

keeping requirements specified in section A.III.1.f. If required, the permittee shall demonstrate compliance with this emission limitation through emission tests, performed in accordance with 40 CFR Part 60, Appendix A, Method 18, 25 or 25A, as appropriate.

- c. Emission Limitation: 8.88 lbs OC/day from the production operation.

Applicable Compliance Method: Compliance shall be determined in accordance with the following method:

$$ES(\text{lbs/day}) = (\text{Summation of } P_i) \times EF.$$

where:

ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day.

P_i = the production rate of mold compound i, in pounds per day.

EF = emission factor for styrene emissions from mold presses, which is 0.00134 pound per pound of mold compound, as determined from a Society of Plastics Industry report, "Styrene Emissions during the Charging and Molding Cycle".

- d. Emission Limitation: 1.62 TPY OC from the production operation.

Applicable Compliance Method: To determine annual OC emissions from all materials, compliance shall be based on the sum of the daily OC emission rates from production materials, as specified in section A.V.1.c. of this permit for the calendar year, divided by 2000 pounds/ton.

- 2. Any determination of organic compound content (percent by weight), solids content, or density of a material shall be based on the material as employed, including the addition of any thinner or viscosity reducer to the material. The permittee shall determine the composition of the material by formulation data supplied by the manufacturer or from data determined by an analysis of each material, as received, by U.S. EPA Reference Method 24 as referenced in 40 CFR Part 60, Appendix A. If formulation data is employed, the Ohio EPA may require the permittee to have a Reference Method 24 analysis or an equivalent, alternative method (as approved by Ohio EPA) performed on the material(s).

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 0204000133 Emissions Unit ID: P067 Issuance type: Title V Preliminary Proposed Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. **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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
2. Additional Terms and Conditions		

- 1. None

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II. **Operational Restrictions**

- 1. None

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III. Monitoring and/or Record Keeping Requirements

- 1. None

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IV. Reporting Requirements

- 1. None

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V. Testing Requirements

- 1. None

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VI. Miscellaneous Requirements

- 1. None

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 0204000133 Emissions Unit ID: P071 Issuance type: Title V Preliminary Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. 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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Compression mold press G-9 for fiberglass reinforced plastic parts	OAC rule 3745-21-07(G)(2) OAC rule 3745-31-05(A)(3) PTI 02-11376	Organic compound (OC) emissions shall not exceed 8 lbs/hr and 40 lbs/day from the production operation. See sections A.I.2.a. and A.I.2.b. below. OC emissions shall not exceed 1.1 lbs/hr, 26.4 lbs/day and 4.82 tons/year from the production operation.

2. Additional Terms and Conditions

- a. The emission limits specified in this rule are less stringent than the limit established pursuant to OAC rule 3745-31-05(A)(3).
- b. The emissions of organic materials from the production operation consist of styrene, a photochemically reactive material as defined in OAC rule 3745-21-01(C)(5).

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II. Operational Restrictions

- 1. None

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information for each day for this emissions unit:
 - a. The company identification for each production material employed.
 - b. The weight of each production material employed, in pounds.
 - c. The weight of all production materials employed, in pounds.
 - d. The total organic compound emission rate for all production materials, in pounds.
 - e. The actual number of hours that the emissions unit was in operation.
 - f. The average hourly organic compound emission rate for all production materials, i.e., (d) divided by (e), in pounds per hour (average).

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IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
 - a. An identification of each day during which the average hourly OC emissions from the production materials exceeded 1.1 pounds per hour, and the actual average hourly OC emissions for each such day.
 - b. An identification of each day during which the OC emissions from the production materials exceeded 26.4 pounds per day, and the actual OC emissions for each such day.
2. The permittee shall submit annual reports which specify the total organic compound emissions from this emissions unit for the previous calendar year. These reports shall be submitted by April 15 of each year.
3. The permittee shall submit annual reports which specify the total VOC emissions from emissions units P010 - P018, P021 - P059, and P061 - P067 for the previous calendar year. These reports shall be submitted by April 15 of each year.

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V. Testing Requirements

1. Compliance with the allowable emission limitations in section A.I.1. of these terms and conditions shall be determined in accordance with the following methods:
 - a. Emission Limitation: 1.1 lbs OC/hr from the production operation.

Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.1.f. If required, the permittee shall demonstrate compliance with this emission limitation through emission tests, performed in accordance with 40 CFR Part 60, Appendix A, Method 18, 25 or 25A, as appropriate.
 - b. Emission Limitation: 26.4 lbs OC/day from the production operation.

Applicable Compliance Method: Compliance shall be determined in accordance with the following method:

$$ES(\text{lbs/day}) = (\text{Summation of } P_i) \times EF.$$

where:
 ES(lbs/day) = the organic compound emissions as styrene from production operations, in pounds per day.
 P_i = the production rate of mold compound i, in pounds per day.

EF = emission factor for styrene emissions from mold presses, which is 0.00134 pound per pound of mold compound, as determined from a Society of Plastics Industry report, "Styrene Emissions during the Charging and Molding Cycle".
 - c. Emission Limitation: 4.82 TPY OC from the production operation.

Applicable Compliance Method: To determine annual OC emissions from all materials, compliance shall be based on the sum of the daily OC emission rates from production materials, as specified in section A.V.1.b. of this permit for the calendar year, divided by 2000 pounds/ton.
2. Any determination of organic compound content (percent by weight), solids content, or density of a material shall be based on the material as employed, including the addition of any thinner or viscosity reducer to the material. The permittee shall determine the composition of the material by formulation data supplied by the manufacturer or from data determined by an analysis of each material, as received, by U.S. EPA Reference

Method 24 as referenced in 40 CFR Part 60, Appendix A. If formulation data is employed, the Ohio EPA may require the permittee to have a Reference Method 24 analysis or an equivalent, alternative method (as approved by Ohio EPA) performed on the material(s).

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0204000133 Emissions Unit ID: P071 Issuance type: Title V Preliminary Proposed Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. **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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

	<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
2. Additional Terms and Conditions			
1.	None		

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II. **Operational Restrictions**

1. None

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III. **Monitoring and/or Record Keeping Requirements**

1. None

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IV. **Reporting Requirements**

1. None

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V. **Testing Requirements**

1. None

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0204000133 Emissions Unit ID: P072 Issuance type: Title V Preliminary Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. 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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Pigment area and miscellaneous solvent cleaning	OAC rule 3745-21-07(G)(2)	See section A.I.2.a. below.

2. Additional Terms and Conditions

- a. Since this emissions unit is an existing source, located in a Priority I county, it is exempt from the organic compound limitations specified in OAC rule 3745-21-07(G)(2) per OAC rule 3745-21-07(A)(1).

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II. Operational Restrictions

1. None

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III. Monitoring and/or Record Keeping Requirements

1. None

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IV. Reporting Requirements

1. None

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V. Testing Requirements

1. None

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VI. Miscellaneous Requirements

1. None

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Facility ID: 0204000133 Emissions Unit ID: P072 Issuance type: Title V Preliminary Proposed Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. 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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
2. Additional Terms and Conditions		
1. None		

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II. Operational Restrictions

1. None

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III. Monitoring and/or Record Keeping Requirements

1. None

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IV. Reporting Requirements

1. None

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V. Testing Requirements

1. None

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VI. Miscellaneous Requirements

1. None

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Facility ID: 0204000133 Issuance type: Title V Preliminary Proposed Permit

Part III - Terms and Conditions for Emissions Units

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Facility ID: 0204000133 Emissions Unit ID: P073 Issuance type: Title V Preliminary Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. 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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Compression mold press AA-6 for fiberglass reinforced plastic parts	OAC rule 3745-21-07(G)(2)	See section A.I.2.a. below.

2. **Additional Terms and Conditions**

- a. Since this emissions unit is an existing source, located in a Priority I county, it is exempt from the organic compound limitations specified in OAC rule 3745-21-07(G)(2) per OAC rule 3745-21-07(A)(1).

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- II. **Operational Restrictions**

1. None

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- III. **Monitoring and/or Record Keeping Requirements**

1. None

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- IV. **Reporting Requirements**

1. None

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- V. **Testing Requirements**

1. None

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- VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0204000133 Emissions Unit ID: P073 Issuance type: Title V Preliminary Proposed Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

- I. **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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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2. **Additional Terms and Conditions**

- 1. None

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II. Operational Restrictions

- 1. None

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III. Monitoring and/or Record Keeping Requirements

- 1. None

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IV. Reporting Requirements

- 1. None

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V. Testing Requirements

- 1. None

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VI. Miscellaneous Requirements

- 1. None

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 0204000133 Emissions Unit ID: P074 Issuance type: Title V Preliminary Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. 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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Compression mold press AA-7 for fiberglass reinforced plastic parts	OAC rule 3745-21-07(G)(2)	See section A.I.2.a. below.

2. Additional Terms and Conditions

- a. Since this emissions unit is an existing source, located in a Priority I county, it is exempt from the organic compound limitations specified in OAC rule 3745-21-07(G)(2) per OAC rule 3745-21-07(A)(1).

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II. Operational Restrictions

- 1. None

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III. **Monitoring and/or Record Keeping Requirements**

- 1. None

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IV. **Reporting Requirements**

- 1. None

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V. **Testing Requirements**

- 1. None

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 0204000133 Emissions Unit ID: P074 Issuance type: Title V Preliminary Proposed Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. **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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

	<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
2. Additional Terms and Conditions			
1.	None		

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II. **Operational Restrictions**

- 1. None

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III. **Monitoring and/or Record Keeping Requirements**

- 1. None

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IV. **Reporting Requirements**

- 1. None

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V. **Testing Requirements**

- 1. None

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VI. **Miscellaneous Requirements**

- 1. None

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 0204000133 Emissions Unit ID: P075 Issuance type: Title V Preliminary Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. **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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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Compression mold press AA-8 for fiberglass reinforced plastic parts	OAC rule 3745-21-07(G)(2)	See section A.I.2.a. below.
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- 2. **Additional Terms and Conditions**

- a. Since this emissions unit is an existing source, located in a Priority I county, it is exempt from the organic compound limitations specified in OAC rule 3745-21-07(G)(2) per OAC rule 3745-21-07(A)(1).

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II. **Operational Restrictions**

- 1. None

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III. **Monitoring and/or Record Keeping Requirements**

- 1. None

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IV. **Reporting Requirements**

- 1. None

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V. **Testing Requirements**

- 1. None

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0204000133 Emissions Unit ID: P075 Issuance type: Title V Preliminary Proposed Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. **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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

	<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
2. Additional Terms and Conditions			
1.	None		

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II. **Operational Restrictions**

1. None

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III. **Monitoring and/or Record Keeping Requirements**

1. None

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IV. **Reporting Requirements**

1. None

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V. **Testing Requirements**

1. None

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VI. **Miscellaneous Requirements**

1. None

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 0204000133 Emissions Unit ID: P076 Issuance type: Title V Preliminary Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. 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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Compression mold press A-7 for fiberglass reinforced plastic parts	OAC rule 3745-21-07(G)(2)	See section A.I.2.a. below.

2. Additional Terms and Conditions

- a. Since this emissions unit is an existing source, located in a Priority I county, it is exempt from the organic compound limitations specified in OAC rule 3745-21-07(G)(2) per OAC rule 3745-21-07(A)(1).

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II. Operational Restrictions

1. None

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III. Monitoring and/or Record Keeping Requirements

1. None

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IV. Reporting Requirements

1. None

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V. Testing Requirements

1. None

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VI. Miscellaneous Requirements

1. None

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Facility ID: 0204000133 Emissions Unit ID: P076 Issuance type: Title V Preliminary Proposed Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. 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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
2. Additional Terms and Conditions		
1. None		

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II. Operational Restrictions

- 1. None

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III. Monitoring and/or Record Keeping Requirements

- 1. None

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IV. Reporting Requirements

- 1. None

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V. Testing Requirements

- 1. None

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VI. Miscellaneous Requirements

- 1. None

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 0204000133 Emissions Unit ID: P077 Issuance type: Title V Preliminary Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. 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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Compression mold press B-7 for fiberglass reinforced plastic parts	OAC rule 3745-21-07(G)(2)	See section A.I.2.a. below.

2. **Additional Terms and Conditions**

- a. Since this emissions unit is an existing source, located in a Priority I county, it is exempt from the organic compound limitations specified in OAC rule 3745-21-07(G)(2) per OAC rule 3745-21-07(A)(1).

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II. **Operational Restrictions**

- 1. None

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III. **Monitoring and/or Record Keeping Requirements**

- 1. None

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IV. **Reporting Requirements**

- 1. None

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V. **Testing Requirements**

- 1. None

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 0204000133 Emissions Unit ID: P077 Issuance type: Title V Preliminary Proposed Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. **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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
2. Additional Terms and Conditions		
1. None		

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II. Operational Restrictions

- 1. None

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III. Monitoring and/or Record Keeping Requirements

- 1. None

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IV. Reporting Requirements

- 1. None

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V. Testing Requirements

- 1. None

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VI. Miscellaneous Requirements

- 1. None

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 0204000133 Emissions Unit ID: P078 Issuance type: Title V Preliminary Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. 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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Compression mold press B-8 for fiberglass reinforced plastic parts	OAC rule 3745-21-07(G)(2)	See section A.I.2.a. below.

2. Additional Terms and Conditions

- a. Since this emissions unit is an existing source, located in a Priority I county, it is exempt from the organic compound limitations specified in OAC rule 3745-21-07(G)(2) per OAC rule 3745-21-07(A)(1).

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II. Operational Restrictions

- 1. None

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III. **Monitoring and/or Record Keeping Requirements**

1. None

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IV. **Reporting Requirements**

1. None

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V. **Testing Requirements**

1. None

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0204000133 Emissions Unit ID: P078 Issuance type: Title V Preliminary Proposed Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. **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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

	<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
2. Additional Terms and Conditions			
1.	None		

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II. **Operational Restrictions**

1. None

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III. **Monitoring and/or Record Keeping Requirements**

1. None

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IV. **Reporting Requirements**

1. None

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V. **Testing Requirements**

1. None

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0204000133 Issuance type: Title V Preliminary Proposed Permit

Part III - Terms and Conditions for Emissions Units

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Facility ID: 0204000133 Emissions Unit ID: P079 Issuance type: Title V Preliminary Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. **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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Compression mold press C-8 for fiberglass reinforced plastic parts	OAC rule 3745-21-07(G)(2)	See section A.I.2.a. below.

2. **Additional Terms and Conditions**

- a. Since this emissions unit is an existing source, located in a Priority I county, it is exempt from the organic compound limitations specified in OAC rule 3745-21-07(G)(2) per OAC rule 3745-21-07(A)(1).

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II. **Operational Restrictions**

1. None

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III. **Monitoring and/or Record Keeping Requirements**

1. None

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IV. **Reporting Requirements**

1. None

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V. **Testing Requirements**

1. None

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0204000133 Emissions Unit ID: P079 Issuance type: Title V Preliminary Proposed Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. **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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

	<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
2. Additional Terms and Conditions			
1.	None		

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II. **Operational Restrictions**

1. None

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III. **Monitoring and/or Record Keeping Requirements**

1. None

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IV. **Reporting Requirements**

1. None

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V. **Testing Requirements**

1. None

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VI. **Miscellaneous Requirements**

1. None

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 0204000133 Emissions Unit ID: P080 Issuance type: Title V Preliminary Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. 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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Compression mold press C-9 for fiberglass reinforced plastic parts	OAC rule 3745-21-07(G)(2)	See section A.I.2.a. below.

2. Additional Terms and Conditions

- a. Since this emissions unit is an existing source, located in a Priority I county, it is exempt from the organic compound limitations specified in OAC rule 3745-21-07(G)(2) per OAC rule 3745-21-07(A)(1).

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II. Operational Restrictions

- 1. None

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III. Monitoring and/or Record Keeping Requirements

- 1. None

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IV. Reporting Requirements

- 1. None

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V. Testing Requirements

- 1. None

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VI. Miscellaneous Requirements

- 1. None

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Facility ID: 0204000133 Emissions Unit ID: P080 Issuance type: Title V Preliminary Proposed Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. 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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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2. Additional Terms and Conditions

- 1. None

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II. Operational Restrictions

- 1. None

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III. Monitoring and/or Record Keeping Requirements

- 1. None

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IV. Reporting Requirements

- 1. None

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V. Testing Requirements

- 1. None

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VI. Miscellaneous Requirements

- 1. None

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Facility ID: 0204000133 Issuance type: Title V Preliminary Proposed Permit

Part III - Terms and Conditions for Emissions Units

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Facility ID: 0204000133 Emissions Unit ID: P081 Issuance type: Title V Preliminary Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. 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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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Measures

Compression mold press C-10 for fiberglass reinforced plastic parts OAC rule 3745-21-07(G)(2) See section A.I.2.a. below.

2. Additional Terms and Conditions

- a. Since this emissions unit is an existing source, located in a Priority I county, it is exempt from the organic compound limitations specified in OAC rule 3745-21-07(G)(2) per OAC rule 3745-21-07(A)(1).

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II. Operational Restrictions

- 1. None

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III. Monitoring and/or Record Keeping Requirements

- 1. None

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IV. Reporting Requirements

- 1. None

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V. Testing Requirements

- 1. None

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VI. Miscellaneous Requirements

- 1. None

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Facility ID: 0204000133 Emissions Unit ID: P081 Issuance type: Title V Preliminary Proposed Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. 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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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2. Additional Terms and Conditions

- 1. None

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II. **Operational Restrictions**

1. None

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III. **Monitoring and/or Record Keeping Requirements**

1. None

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IV. **Reporting Requirements**

1. None

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V. **Testing Requirements**

1. None

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0204000133 Issuance type: Title V Preliminary Proposed Permit

Part III - Terms and Conditions for Emissions Units

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Facility ID: 0204000133 Emissions Unit ID: P082 Issuance type: Title V Preliminary Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. 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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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Compression mold press D-2 for fiberglass reinforced plastic parts	OAC rule 3745-21-07(G)(2)	See section A.I.2.a. below.
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2. **Additional Terms and Conditions**

- a. Since this emissions unit is an existing source, located in a Priority I county, it is exempt from the organic compound limitations specified in OAC rule 3745-21-07(G)(2) per OAC rule 3745-21-07(A)(1).

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II. **Operational Restrictions**

1. None

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III. **Monitoring and/or Record Keeping Requirements**

- 1. None

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IV. Reporting Requirements

- 1. None

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V. Testing Requirements

- 1. None

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VI. Miscellaneous Requirements

- 1. None

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Facility ID: 0204000133 Emissions Unit ID: P082 Issuance type: Title V Preliminary Proposed Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. 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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

	<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
2. Additional Terms and Conditions			
1.	None		

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II. Operational Restrictions

- 1. None

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III. Monitoring and/or Record Keeping Requirements

- 1. None

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IV. Reporting Requirements

- 1. None

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V. **Testing Requirements**

1. None

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0204000133 Issuance type: Title V Preliminary Proposed Permit

Part III - Terms and Conditions for Emissions Units

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Facility ID: 0204000133 Emissions Unit ID: P083 Issuance type: Title V Preliminary Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. **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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Compression mold press D-3 for fiberglass reinforced plastic parts	OAC rule 3745-21-07(G)(2)	See section A.I.2.a. below.

2. **Additional Terms and Conditions**

- a. Since this emissions unit is an existing source, located in a Priority I county, it is exempt from the organic compound limitations specified in OAC rule 3745-21-07(G)(2) per OAC rule 3745-21-07(A)(1).

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II. **Operational Restrictions**

1. None

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III. **Monitoring and/or Record Keeping Requirements**

1. None

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IV. **Reporting Requirements**

1. None

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V. **Testing Requirements**

1. None

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 0204000133 Emissions Unit ID: P083 Issuance type: Title V Preliminary Proposed Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. 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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

	<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
2. Additional Terms and Conditions			
1.	None		

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II. Operational Restrictions

- 1. None

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III. Monitoring and/or Record Keeping Requirements

- 1. None

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IV. Reporting Requirements

- 1. None

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V. Testing Requirements

- 1. None

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VI. Miscellaneous Requirements

- 1. None

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 0204000133 Emissions Unit ID: P084 Issuance type: Title V Preliminary Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. 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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Compression mold press O-1 for fiberglass reinforced plastic parts	OAC rule 3745-21-07(G)(2)	See section A.I.2.a. below.
2. Additional Terms and Conditions		

- a. Since this emissions unit is an existing source, located in a Priority I county, it is exempt from the organic compound limitations specified in OAC rule 3745-21-07(G)(2) per OAC rule 3745-21-07(A)(1).

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II. Operational Restrictions

1. None

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III. Monitoring and/or Record Keeping Requirements

1. None

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IV. Reporting Requirements

1. None

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V. Testing Requirements

1. None

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VI. Miscellaneous Requirements

1. None

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Facility ID: 0204000133 Emissions Unit ID: P084 Issuance type: Title V Preliminary Proposed Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. 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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
2. Additional Terms and Conditions		
1. None		

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II. Operational Restrictions

1. None

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III. Monitoring and/or Record Keeping Requirements

1. None

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IV. Reporting Requirements

1. None

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V. Testing Requirements

1. None

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VI. Miscellaneous Requirements

1. None

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 0204000133 Emissions Unit ID: P085 Issuance type: Title V Preliminary Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. 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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Compression mold press O-2 for fiberglass reinforced plastic parts	OAC rule 3745-21-07(G)(2)	See section A.I.2.a. below.

2. **Additional Terms and Conditions**

- a. Since this emissions unit is an existing source, located in a Priority I county, it is exempt from the organic compound limitations specified in OAC rule 3745-21-07(G)(2) per OAC rule 3745-21-07(A)(1).

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II. **Operational Restrictions**

- 1. None

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III. **Monitoring and/or Record Keeping Requirements**

- 1. None

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IV. **Reporting Requirements**

- 1. None

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V. **Testing Requirements**

- 1. None

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 0204000133 Emissions Unit ID: P085 Issuance type: Title V Preliminary Proposed Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. **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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
2. Additional Terms and Conditions		
1. None		

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II. **Operational Restrictions**

- 1. None

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III. **Monitoring and/or Record Keeping Requirements**

- 1. None

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IV. **Reporting Requirements**

- 1. None

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V. **Testing Requirements**

- 1. None

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VI. **Miscellaneous Requirements**

- 1. None

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 0204000133 Emissions Unit ID: P086 Issuance type: Title V Preliminary Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. **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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Compression mold press O-3 for fiberglass reinforced plastic parts	OAC rule 3745-21-07(G)(2)	See section A.I.2.a. below.
2. Additional Terms and Conditions		
a. Since this emissions unit is an existing source, located in a Priority I county, it is exempt from the organic compound limitations specified in OAC rule 3745-21-07(G)(2) per OAC rule 3745-21-07(A)(1).		

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II. **Operational Restrictions**

- 1. None

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III. **Monitoring and/or Record Keeping Requirements**

- 1. None

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IV. **Reporting Requirements**

1. None

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V. **Testing Requirements**

1. None

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0204000133 Emissions Unit ID: P086 Issuance type: Title V Preliminary Proposed Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. **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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
2. Additional Terms and Conditions		
1. None		

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II. **Operational Restrictions**

1. None

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III. **Monitoring and/or Record Keeping Requirements**

1. None

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IV. **Reporting Requirements**

1. None

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V. **Testing Requirements**

1. None

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VI. **Miscellaneous Requirements**

1. None

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 0204000133 Emissions Unit ID: P087 Issuance type: Title V Preliminary Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. 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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Compression mold press O-4 for fiberglass reinforced plastic parts	OAC rule 3745-21-07(G)(2)	See section A.I.2.a. below.

2. Additional Terms and Conditions

- a. Since this emissions unit is an existing source, located in a Priority I county, it is exempt from the organic compound limitations specified in OAC rule 3745-21-07(G)(2) per OAC rule 3745-21-07(A)(1).

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II. **Operational Restrictions**

1. None

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III. **Monitoring and/or Record Keeping Requirements**

1. None

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IV. **Reporting Requirements**

1. None

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V. **Testing Requirements**

1. None

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0204000133 Emissions Unit ID: P087 Issuance type: Title V Preliminary Proposed Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. 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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
2. Additional Terms and Conditions		
1. None		

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II. Operational Restrictions

- 1. None

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III. Monitoring and/or Record Keeping Requirements

- 1. None

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IV. Reporting Requirements

- 1. None

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V. Testing Requirements

- 1. None

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VI. Miscellaneous Requirements

- 1. None

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 0204000133 Emissions Unit ID: P088 Issuance type: Title V Preliminary Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. 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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Compression mold press O-5 for fiberglass reinforced plastic parts	OAC rule 3745-21-07(G)(2)	See section A.I.2.a. below.

2. Additional Terms and Conditions

- a. Since this emissions unit is an existing source, located in a Priority I county, it is exempt from the organic compound limitations specified in OAC rule 3745-21-07(G)(2) per OAC rule 3745-21-07(A)(1).

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II. Operational Restrictions

- 1. None

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III. Monitoring and/or Record Keeping Requirements

- 1. None

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IV. Reporting Requirements

- 1. None

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V. Testing Requirements

- 1. None

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VI. Miscellaneous Requirements

- 1. None

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Facility ID: 0204000133 Emissions Unit ID: P088 Issuance type: Title V Preliminary Proposed Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. 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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

- | | <u>Operations, Property, and/or Equipment</u> | <u>Applicable Rules/Requirements</u> | <u>Applicable Emissions Limitations/Control Measures</u> |
|---|---|--------------------------------------|--|
| 2. Additional Terms and Conditions | | | |
| 1. | None | | |

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II. **Operational Restrictions**

1. None

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III. **Monitoring and/or Record Keeping Requirements**

1. None

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IV. **Reporting Requirements**

1. None

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V. **Testing Requirements**

1. None

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VI. **Miscellaneous Requirements**

1. None

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 0204000133 Emissions Unit ID: P089 Issuance type: Title V Preliminary Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. **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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

	<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
2.	Compression mold press O-6 for fiberglass reinforced plastic parts	OAC rule 3745-21-07(G)(2)	See section A.I.2.a. below.

2. **Additional Terms and Conditions**

- a. Since this emissions unit is an existing source, located in a Priority I county, it is exempt from the organic compound limitations specified in OAC rule 3745-21-07(G)(2) per OAC rule 3745-21-07(A)(1).

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II. **Operational Restrictions**

- 1. None

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III. **Monitoring and/or Record Keeping Requirements**

- 1. None

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IV. **Reporting Requirements**

- 1. None

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V. **Testing Requirements**

- 1. None

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 0204000133 Emissions Unit ID: P089 Issuance type: Title V Preliminary Proposed Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. **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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

	<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
2.	Additional Terms and Conditions		
1.	None		

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II. **Operational Restrictions**

- 1. None

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III. **Monitoring and/or Record Keeping Requirements**

- 1. None

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IV. Reporting Requirements

- 1. None

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V. Testing Requirements

- 1. None

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VI. Miscellaneous Requirements

- 1. None

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Facility ID: 0204000133 Emissions Unit ID: P090 Issuance type: Title V Preliminary Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. 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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Compression mold press O-7 for fiberglass reinforced plastic parts	OAC rule 3745-21-07(G)(2)	See section A.I.2.a. below.

2. Additional Terms and Conditions

- a. Since this emissions unit is an existing source, located in a Priority I county, it is exempt from the organic compound limitations specified in OAC rule 3745-21-07(G)(2) per OAC rule 3745-21-07(A)(1).

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II. Operational Restrictions

- 1. None

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III. Monitoring and/or Record Keeping Requirements

- 1. None

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IV. Reporting Requirements

- 1. None

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V. **Testing Requirements**

1. None

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0204000133 Emissions Unit ID: P090 Issuance type: Title V Preliminary Proposed Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. **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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
2. Additional Terms and Conditions		
1. None		

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II. **Operational Restrictions**

1. None

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III. **Monitoring and/or Record Keeping Requirements**

1. None

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IV. **Reporting Requirements**

1. None

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V. **Testing Requirements**

1. None

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VI. **Miscellaneous Requirements**

- 1. None

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 0204000133 Emissions Unit ID: P091 Issuance type: Title V Preliminary Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. 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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Compression mold press O-10 for fiberglass reinforced plastic parts	OAC rule 3745-21-07(G)(2)	See section A.I.2.a. below.

- 2. **Additional Terms and Conditions**

- a. Since this emissions unit is an existing source, located in a Priority I county, it is exempt from the organic compound limitations specified in OAC rule 3745-21-07(G)(2) per OAC rule 3745-21-07(A)(1).

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II. Operational Restrictions

- 1. None

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III. Monitoring and/or Record Keeping Requirements

- 1. None

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IV. Reporting Requirements

- 1. None

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V. Testing Requirements

- 1. None

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VI. Miscellaneous Requirements

- 1. None

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Facility ID: 0204000133 Emissions Unit ID: P091 Issuance type: Title V Preliminary Proposed Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. 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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
2. Additional Terms and Conditions		
1. None		

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II. Operational Restrictions

1. None

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III. Monitoring and/or Record Keeping Requirements

1. None

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IV. Reporting Requirements

1. None

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V. Testing Requirements

1. None

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VI. Miscellaneous Requirements

1. None

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 0204000133 Emissions Unit ID: P092 Issuance type: Title V Preliminary Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. **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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Compression mold press O-11 for fiberglass reinforced plastic parts	OAC rule 3745-21-07(G)(2)	See section A.I.2.a. below.

2. **Additional Terms and Conditions**

- a. Since this emissions unit is an existing source, located in a Priority I county, it is exempt from the organic compound limitations specified in OAC rule 3745-21-07(G)(2) per OAC rule 3745-21-07(A)(1).

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II. **Operational Restrictions**

1. None

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III. **Monitoring and/or Record Keeping Requirements**

1. None

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IV. **Reporting Requirements**

1. None

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V. **Testing Requirements**

1. None

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0204000133 Emissions Unit ID: P092 Issuance type: Title V Preliminary Proposed Permit

B. **State Enforceable Section**

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. **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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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Measures

2. **Additional Terms and Conditions**

- 1. None

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II. **Operational Restrictions**

- 1. None

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III. **Monitoring and/or Record Keeping Requirements**

- 1. None

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IV. **Reporting Requirements**

- 1. None

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V. **Testing Requirements**

- 1. None

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VI. **Miscellaneous Requirements**

- 1. None

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 0204000133 Emissions Unit ID: P093 Issuance type: Title V Preliminary Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. **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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Compression mold press O-12 for fiberglass reinforced plastic parts	OAC rule 3745-21-07(G)(2)	See section A.I.2.a. below.

2. **Additional Terms and Conditions**

- a. Since this emissions unit is an existing source, located in a Priority I county, it is exempt from the organic compound limitations specified in OAC rule 3745-21-07(G)(2) per OAC rule 3745-21-07(A)(1).

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II. **Operational Restrictions**

- 1. None

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III. **Monitoring and/or Record Keeping Requirements**

- 1. None

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IV. **Reporting Requirements**

- 1. None

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V. **Testing Requirements**

- 1. None

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 0204000133 Emissions Unit ID: P093 Issuance type: Title V Preliminary Proposed Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. **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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

	<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
2. Additional Terms and Conditions			
1.	None		

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II. **Operational Restrictions**

- 1. None

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III. **Monitoring and/or Record Keeping Requirements**

- 1. None

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IV. Reporting Requirements

- 1. None

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V. Testing Requirements

- 1. None

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VI. Miscellaneous Requirements

- 1. None

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 0204000133 Emissions Unit ID: P094 Issuance type: Title V Preliminary Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. 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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
Compression mold press O-13 for fiberglass reinforced plastic parts	OAC rule 3745-21-07(G)(2)	See section A.I.2.a. below.

2. Additional Terms and Conditions

- a. Since this emissions unit is an existing source, located in a Priority I county, it is exempt from the organic compound limitations specified in OAC rule 3745-21-07(G)(2) per OAC rule 3745-21-07(A)(1).

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II. Operational Restrictions

- 1. None

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III. Monitoring and/or Record Keeping Requirements

- 1. None

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IV. Reporting Requirements

- 1. None

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V. **Testing Requirements**

- 1. None

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 0204000133 Emissions Unit ID: P094 Issuance type: Title V Preliminary Proposed Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. **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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

	<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
2. Additional Terms and Conditions			
1.	None		

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II. **Operational Restrictions**

- 1. None

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III. **Monitoring and/or Record Keeping Requirements**

- 1. None

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IV. **Reporting Requirements**

- 1. None

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V. **Testing Requirements**

- 1. None

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 0204000133 Issuance type: Title V Preliminary Proposed Permit

Part III - Terms and Conditions for Emissions Units

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Facility ID: 0204000133 Emissions Unit ID: P095 Issuance type: Title V Preliminary Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. 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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Compression mold press O-14 for fiberglass reinforced plastic parts	OAC rule 3745-21-07(G)(2)	See section A.I.2.a. below.

2. Additional Terms and Conditions

- a. Since this emissions unit is an existing source, located in a Priority I county, it is exempt from the organic compound limitations specified in OAC rule 3745-21-07(G)(2) per OAC rule 3745-21-07(A)(1).

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II. Operational Restrictions

- 1. None

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III. Monitoring and/or Record Keeping Requirements

- 1. None

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IV. Reporting Requirements

- 1. None

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V. Testing Requirements

- 1. None

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VI. Miscellaneous Requirements

- 1. None

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Facility ID: 0204000133 Emissions Unit ID: P095 Issuance type: Title V Preliminary Proposed Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. 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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
2. Additional Terms and Conditions		
1. None		

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II. Operational Restrictions

1. None

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III. Monitoring and/or Record Keeping Requirements

1. None

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IV. Reporting Requirements

1. None

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V. Testing Requirements

1. None

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VI. Miscellaneous Requirements

1. None

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Facility ID: 0204000133 Issuance type: Title V Preliminary Proposed Permit

Part III - Terms and Conditions for Emissions Units

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Facility ID: 0204000133 Emissions Unit ID: P096 Issuance type: Title V Preliminary Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. 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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Compression mold press O-15 for fiberglass reinforced plastic parts	OAC rule 3745-21-07(G)(2)	See section A.I.2.a. below.

2. **Additional Terms and Conditions**

- a. Since this emissions unit is an existing source, located in a Priority I county, it is exempt from the organic compound limitations specified in OAC rule 3745-21-07(G)(2) per OAC rule 3745-21-07(A)(1).

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- II. **Operational Restrictions**

1. None

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- III. **Monitoring and/or Record Keeping Requirements**

1. None

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- IV. **Reporting Requirements**

1. None

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- V. **Testing Requirements**

1. None

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- VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0204000133 Issuance type: Title V Preliminary Proposed Permit

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Facility ID: 0204000133 Emissions Unit ID: P096 Issuance type: Title V Preliminary Proposed Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

- I. **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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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2. **Additional Terms and Conditions**

- 1. None

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II. Operational Restrictions

- 1. None

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III. Monitoring and/or Record Keeping Requirements

- 1. None

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IV. Reporting Requirements

- 1. None

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V. Testing Requirements

- 1. None

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VI. Miscellaneous Requirements

- 1. None

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Facility ID: 0204000133 Issuance type: Title V Preliminary Proposed Permit

Part III - Terms and Conditions for Emissions Units

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Facility ID: 0204000133 Emissions Unit ID: P097 Issuance type: Title V Preliminary Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. 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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
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Compression mold press O-16 for fiberglass reinforced plastic parts	OAC rule 3745-21-07(G)(2)	See section A.I.2.a. below.
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2. Additional Terms and Conditions

- a. Since this emissions unit is an existing source, located in a Priority I county, it is exempt from the organic compound limitations specified in OAC rule 3745-21-07(G)(2) per OAC rule 3745-21-07(A)(1).

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II. Operational Restrictions

- 1. None

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III. **Monitoring and/or Record Keeping Requirements**

- 1. None

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IV. **Reporting Requirements**

- 1. None

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V. **Testing Requirements**

- 1. None

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VI. **Miscellaneous Requirements**

- 1. None

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Facility ID: 0204000133 Emissions Unit ID: P097 Issuance type: Title V Preliminary Proposed Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. **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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

	<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
2. Additional Terms and Conditions			
1.	None		

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II. **Operational Restrictions**

- 1. None

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III. **Monitoring and/or Record Keeping Requirements**

- 1. None

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IV. **Reporting Requirements**

- 1. None

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V. **Testing Requirements**

- 1. None

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VI. **Miscellaneous Requirements**

- 1. None

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 0204000133 Emissions Unit ID: P098 Issuance type: Title V Preliminary Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. **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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Injection mold press H-10 for fiberglass reinforced plastic parts	OAC rule 3745-21-07(G)(2)	See section A.I.2.a. below.

2. **Additional Terms and Conditions**

- a. Since this emissions unit is an existing source, located in a Priority I county, it is exempt from the organic compound limitations specified in OAC rule 3745-21-07(G)(2) per OAC rule 3745-21-07(A)(1).

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II. **Operational Restrictions**

- 1. None

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III. **Monitoring and/or Record Keeping Requirements**

- 1. None

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IV. **Reporting Requirements**

- 1. None

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V. **Testing Requirements**

- 1. None

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0204000133 Emissions Unit ID: P098 Issuance type: Title V Preliminary Proposed Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. **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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

	<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
2. Additional Terms and Conditions			
1.	None		

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II. **Operational Restrictions**

1. None

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III. **Monitoring and/or Record Keeping Requirements**

1. None

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IV. **Reporting Requirements**

1. None

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V. **Testing Requirements**

1. None

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VI. **Miscellaneous Requirements**

1. None

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 0204000133 Emissions Unit ID: R001 Issuance type: Title V Preliminary Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. 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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Paint spray booth #2 for coated plastic parts	OAC rule 3745-17-07(A)	Visible particulate emissions from this emissions unit shall not exceed 20% opacity as a 6-minute average, except as specified by rule.
	OAC rule 3745-17-11(B)(1)	Particulate emissions (PE) shall not exceed 0.551 lb/hr.
	OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8 lbs/hr and 40 lbs/day, whenever photochemically reactive materials are employed.
	OAC rule 3745-31-05(A)(3) PTI 02-1323	No annual limit stated in PTI 02-1323.

2. Additional Terms and Conditions

- a. On any day when photochemically reactive materials are employed, all of the organic compound emissions from this emissions unit count toward the hourly and daily limits, including the emissions from nonphotochemically reactive materials, except nonphotochemically reactive cleanup materials.

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II. Operational Restrictions

1. The permittee shall operate the particulate control filter system whenever this emissions unit is in operation.

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain a daily log of filter replacements and any maintenance of the overspray filter system.
2. The permittee shall properly operate the overspray filter system and check it at least once per day when the emissions unit is in operation. The permittee shall record each day all periods of time during which the overspray filter system was not in operation when the emissions unit was in operation.
3. The permittee shall collect and record the following information for each day for this emissions unit:
 - a. The company identification for each coating and each cleanup material employed.
 - b. Identification of whether or not each coating and each cleanup material employed is a photochemically reactive material, as defined in OAC rule 3745-21-01(C).
 - c. The volume of each coating employed, in gallons per day.
 - d. The organic compound content of each coating, in pounds per gallon.
 - e. The organic compound content of each photochemically reactive cleanup material, in percent by weight.
 - f. The weight of each photochemically reactive cleanup material dispensed, in pounds per day.
 - g. The weight of each photochemically reactive cleanup material returned, in pounds per day.
 - h. The weight of each evaporated cleanup material, which is estimated by subtracting the weight of returned cleanup material from the weight of dispensed cleanup material, in pounds per day.
 - i. On any day when any photochemically reactive material (coating or cleanup material) is employed, the

organic compound emission rate for all coatings and photochemically reactive cleanup materials, in pounds per day.

j. The total number of hours the emissions unit was in operation.

k. On any day when any photochemically reactive material (coating or cleanup material) is employed, the average hourly organic compound emission rate for all coatings and photochemically reactive cleanup materials, i.e., (i)/(j), in pounds per hour.

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IV. Reporting Requirements

1. The permittee shall notify the Northeast District Office in writing of any daily record showing that the dust filter system was not in service when the emissions unit was in operation. The notification shall include a copy of such record and shall be sent to the Northeast District Office within 30 days after the event occurs.
2. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
 - a. An identification of each day, whenever photochemically reactive materials (coatings or cleanup materials) are employed, during which the average hourly OC emissions from all the coatings and photochemically reactive cleanup materials exceeded 8 pounds per hour, and the actual average hourly OC emissions for each such day.
 - b. An identification of each day, whenever photochemically reactive materials (coatings or cleanup materials) are employed, during which the OC emissions from all the coatings and photochemically reactive cleanup materials exceeded 40 pounds per day, and the actual OC emissions for each such day.

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V. Testing Requirements

1. Compliance with the allowable emission limitations in section A.I.1 of these terms and conditions shall be determined in accordance with the following methods:
 - a. Emission Limitation: 20% opacity of visible particulate emissions, as a 6-minute average.

Applicable Compliance Method: Compliance shall be determined based upon OAC rule 3745-17-03(B) (1), if required by Ohio EPA.
 - b. Emission Limitation: 0.551 lb PE/hr

Applicable Compliance Method: To determine the actual worst case rate for PE, the following equation shall be used:

$$E = CTG \times SC \times (1-TE) \times (1-CE).$$

Where the following applies:
E = PE rate, lbs/hr.

CTG = maximum coating usage rate, which is 6.3 gal/hr as noted in Premix's letter of January 6, 2000.

SC = maximum solids content, which is 7.28 lbs/gal of coating as determined from data in the permit application.

TE = transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used, which is 0.40 for air atomized spray, as noted in AP-42 chapter 4.2.2.11 (5/83).

CE = control efficiency of the control equipment which is 99% as noted in the permit application.
 - c. Emission Limitation: 8 lbs OC/hr

Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.3.j.
 - d. Emission Limitation: 40 lbs OC/day

Applicable Compliance Method: Compliance shall be determined upon the following:
 - i. Determination of daily emissions from coatings shall be made in accordance with the following method (s):

$$ECTG(\text{lbs/day}) = \text{Summation of } (OC_i \times V_i).$$

where:
ECTG(lbs/day) = the organic compound (OC) emissions from coatings, whenever a photochemically reactive material is employed, in pounds per day.

OC_i = the OC content of coating "i", in pounds per gallon of coating as applied.

Vi = the volume of coating "i" employed, in gallons per day.

ii. Determination of daily emissions from cleanup operations, EC(lbs/day), shall be made in accordance with the following method(s):

$$EC(lbs/day) = \text{Summation of } [(WC/OUT - WC/IN)_i \times OC_i]$$

where:

EC(lbs/day) = the OC emissions from cleanup operations, whenever a photochemically reactive material is employed, in pounds per day.

WC/OUT_i = weight of cleanup material i dispensed to work stations, in pounds per day.

WC/IN_i = weight of cleanup material i returned to solvent dispensing area, in pounds per day.

OC_i = the OC content of cleanup material "i", in percent by weight of cleanup material.

iii. Determination of daily emissions from all operations, EOC(lbs/day), shall be determined in accordance with the following method(s):

$$EOC(lbs/day) = ECTG(lbs/day) + EC(lbs/day).$$

2. Any determination of organic compound content (percent by weight), solids content, or density of a material shall be based on the material as employed, including the addition of any thinner or viscosity reducer to the material. The permittee shall determine the composition of the material by formulation data supplied by the manufacturer or from data determined by an analysis of each material, as received, by U.S. EPA Reference Method 24 as referenced in 40 CFR Part 60, Appendix A. If formulation data is employed, the Ohio EPA may require the permittee to have a Reference Method 24 analysis or an equivalent, alternative method (as approved by Ohio EPA) performed on the material(s).

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0204000133 Emissions Unit ID: R001 Issuance type: Title V Preliminary Proposed Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. **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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

	<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
2. Additional Terms and Conditions			
1.	None		

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II. **Operational Restrictions**

1. None

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III. **Monitoring and/or Record Keeping Requirements**

- 1. None

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IV. Reporting Requirements

- 1. None

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V. Testing Requirements

- 1. None

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VI. Miscellaneous Requirements

- 1. None

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 0204000133 Emissions Unit ID: R002 Issuance type: Title V Preliminary Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. 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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
Paint spray booth #1 for coated plastic parts	OAC rule 3745-17-07(A)	Visible particulate emissions from this emissions unit shall not exceed 20% opacity as a 6-minute average, except as specified by rule.
	OAC rule 3745-17-11(B)(1)	Particulate emissions (PE) shall not exceed 0.551 lb/hr.
	OAC rule 3745-21-07(G)(2)	Organic compound (OC) emissions shall not exceed 8 lbs/hr and 40 lbs/day, whenever photochemically reactive materials are employed.
	OAC rule 3745-31-05(A)(3) PTI 02-1323	No annual limit stated in PTI 02-1323.

2. Additional Terms and Conditions

- a. On any day when photochemically reactive materials are employed, all of the organic compound emissions from this emissions unit count toward the hourly and daily limits, including the emissions from nonphotochemically reactive materials, except nonphotochemically reactive cleanup materials.

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II. Operational Restrictions

- 1. The permittee shall operate the particulate control filter system whenever this emissions unit is in operation.

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain a daily log of filter replacements and any maintenance of the overspray filter system.
2. The permittee shall properly operate the overspray filter system and check it at least once per day when the emissions unit is in operation. The permittee shall record each day all periods of time during which the overspray filter system was not in operation when the emissions unit was in operation.
3. The permittee shall collect and record the following information for each day for this emissions unit:
 - a. The company identification for each coating and each cleanup material employed.
 - b. Identification of whether or not each coating and each cleanup material employed is a photochemically reactive material, as defined in OAC rule 3745-21-01(C).
 - c. The volume of each coating employed, in gallons per day.
 - d. The organic compound content of each coating, in pounds per gallon.
 - e. The organic compound content of each photochemically reactive cleanup material, in percent by weight.
 - f. The weight of each photochemically reactive cleanup material dispensed, in pounds per day.
 - g. The weight of each photochemically reactive cleanup material returned, in pounds per day.
 - h. The weight of each evaporated cleanup material, which is estimated by subtracting the weight of returned cleanup material from the weight of dispensed cleanup material, in pounds per day.
 - i. On any day when any photochemically reactive material (coating or cleanup material) is employed, the organic compound emission rate for all coatings and photochemically reactive cleanup materials, in pounds per day.
 - j. The total number of hours the emissions unit was in operation.
 - k. On any day when any photochemically reactive material (coating or cleanup material) is employed, the average hourly organic compound emission rate for all coatings and photochemically reactive cleanup materials, i.e., (i)/(j), in pounds per hour.

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IV. Reporting Requirements

1. The permittee shall notify the Northeast District Office in writing of any daily record showing that the dust filter system was not in service when the emissions unit was in operation. The notification shall include a copy of such record and shall be sent to the Northeast District Office within 30 days after the event occurs.
2. The permittee shall submit quarterly deviation (excursion) reports which include the following information:
 - a. An identification of each day, whenever photochemically reactive materials (coatings or cleanup materials) are employed, during which the average hourly OC emissions from all the coatings and photochemically reactive cleanup materials exceeded 8 pounds per hour, and the actual average hourly OC emissions for each such day.
 - b. An identification of each day, whenever photochemically reactive materials (coatings or cleanup materials) are employed, during which the OC emissions from all the coatings and photochemically reactive cleanup materials exceeded 40 pounds per day, and the actual OC emissions for each such day.

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V. Testing Requirements

1. Compliance with the allowable emission limitations in section A.I.1 of these terms and conditions shall be determined in accordance with the following methods:
 - a. Emission Limitation: 20% opacity of visible particulate emissions, as a 6-minute average.
 Applicable Compliance Method: Compliance shall be determined based upon OAC rule 3745-17-03(B) (1), if required by Ohio EPA.
 - b. Emission Limitation: 0.551 lb PE/hr
 Applicable Compliance Method: To determine the actual worst case rate for PE, the following equation shall be used:

$$E = CTG \times SC \times (1-TE) \times (1-CE).$$
 Where the following applies:
 E = PE rate, lbs/hr.
 CTG = maximum coating usage rate, which is 6.3 gal/hr as noted in Premix's letter of January 6, 2000.
 SC = maximum solids content, which is 7.28 lbs/gal of coating as determined from data in the permit

application.

TE = transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used, which is 0.40 for air atomized spray, as noted in AP-42 chapter 4.2.2.11 (5/83).

CE = control efficiency of the control equipment which is 99% as noted in the permit application.

c. Emission Limitation: 8 lbs OC/hr

Applicable Compliance Method: Compliance shall be demonstrated in accordance with the record keeping requirements specified in section A.III.3.j.

d. Emission Limitation: 40 lbs OC/day

Applicable Compliance Method: Compliance shall be determined upon the following:

i. Determination of daily emissions from coatings shall be made in accordance with the following method (s):

$ECTG(\text{lbs/day}) = \text{Summation of } (OC_i \times V_i)$.

where:

$ECTG(\text{lbs/day})$ = the organic compound (OC) emissions from coatings, whenever a photochemically reactive material is employed, in pounds per day.

OC_i = the OC content of coating "i", in pounds per gallon of coating as applied.

V_i = the volume of coating "i" employed, in gallons per day.

ii. Determination of daily emissions from cleanup operations, $EC(\text{lbs/day})$, shall be made in accordance with the following method(s):

$EC(\text{lbs/day}) = \text{Summation of } [(WC/OUT - WC/IN)_i \times OC_i]$

where:

$EC(\text{lbs/day})$ = the OC emissions from cleanup operations, whenever a photochemically reactive material is employed, in pounds per day.

WC/OUT_i = weight of cleanup material i dispensed to work stations, in pounds per day.

WC/IN_i = weight of cleanup material i returned to solvent dispensing area, in pounds per day.

OC_i = the OC content of cleanup material "i", in percent by weight of cleanup material.

iii. Determination of daily emissions from all operations, $EOC(\text{lbs/day})$, shall be determined in accordance with the following method(s):

$EOC(\text{lbs/day}) = ECTG(\text{lbs/day}) + EC(\text{lbs/day})$.

2. Any determination of organic compound content (percent by weight), solids content, or density of a material shall be based on the material as employed, including the addition of any thinner or viscosity reducer to the material. The permittee shall determine the composition of the material by formulation data supplied by the manufacturer or from data determined by an analysis of each material, as received, by U.S. EPA Reference Method 24 as referenced in 40 CFR Part 60, Appendix A. If formulation data is employed, the Ohio EPA may require the permittee to have a Reference Method 24 analysis or an equivalent, alternative method (as approved by Ohio EPA) performed on the material(s).

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 0204000133 Emissions Unit ID: R002 Issuance type: Title V Preliminary Proposed Permit

B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. **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 employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

	<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
2.	Additional Terms and Conditions		
1.	None		

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II. **Operational Restrictions**

1. None

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III. **Monitoring and/or Record Keeping Requirements**

1. None

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IV. **Reporting Requirements**

1. None

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V. **Testing Requirements**

1. None

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VI. **Miscellaneous Requirements**

1. None