

Facility ID: 1431091117 Issuance type: Title V Draft 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

None

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b State Only Enforceable Section

1. The following insignificant emissions unit(s) are located at this facility: F002-Soffit Machine.

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

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- [Go to Part III for Emissions Unit P001](#)
- [Go to Part III for Emissions Unit P002](#)
- [Go to Part III for Emissions Unit P901](#)
- [Go to Part III for Emissions Unit R001](#)
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Part III - Terms and Conditions for Emissions Units

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Facility ID: 1431091117 Emissions Unit ID: F001 Issuance type: Title V Draft 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>
Synthetic marble top cleaning/grinding operation w/ baghouse	OAC 3745-17-07(A)	The visible particulate emission limitations specified in OAC 3745-17-07(A) are less stringent than the requirements specified in OAC 3745-17-08(B)(3)(b).
	OAC 3745-17-07(B)	Fugitive visible particulate emissions from this emissions unit shall not exceed 20% opacity, as a three-minute average, except as provided by rule.
	OAC 3745-17-08(B)(3)	See A.2.

2. Additional Terms and Conditions

- a. No person shall cause or permit any fugitive dust source to be operated; or any materials to be handled, transported, or stored; without taking or installing reasonably available control measures to prevent fugitive dust from becoming airborne. Such reasonably available control measures shall include, but not be limited to, one or more of the following which are appropriate to minimize or eliminate visible particulate emissions of fugitive dust:
 - (a) The installation and use of hoods, fans, and other equipment to adequately enclose, contain, capture, vent and control the fugitive dust. Such equipment shall meet the following requirements:
 - i. The collection efficiency is sufficient to minimize or eliminate visible particulate emissions of fugitive dust at the point(s) of capture to the extent possible with good engineering design; and
 - ii. The particulate emission rate from the baghouse shall not be greater than .030 grain of particulate emissions per dry standard cubic foot of exhaust gases or there are no visible particulate emissions from the exhaust stack(s), whichever is less stringent.

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II. Operational Restrictions

1. The pressure drop across the baghouse shall be maintained within the range of 2 - 4 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 properly install, operate, and maintain equipment to monitor the pressure drop across the baghouse while the emissions unit is in operation. The monitoring equipment shall be installed, 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 daily basis.

2. The permittee shall perform weekly inspections of the baghouse exhaust gases for the presence of any visible emissions. The date and results of each observation shall be recorded in a log book.

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IV. Reporting Requirements

1. The permittee shall submit pressure drop deviation (excursion) reports that identify all periods of time during which the pressure drop across the baghouse did not comply with the allowable range specified above.
2. The permittee shall submit visible emission deviation (excursion) reports that identify all periods of time during which the presence of visible emissions from the baghouse were noted. This report shall also include the corrective action(s) taken to eliminate the presence of visible emissions from the baghouse.

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V. Testing Requirements

1. Compliance with the visible emission limitation in A.2.a shall be demonstrated by the methods specified in OAC 3745-17-03(B).
2. Should testing be required to demonstrate compliance with the allowable emissions limitation of 0.030 grain of particulate emissions per dry standard cubic foot of exhaust gases (in lieu of compliance with the visible emission limitation listed in OAC 3745-17-08(B)(3)(b)), the testing shall be conducted using the following method:

40 CFR Part 60, Appendix A, Method 5

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VI. Miscellaneous Requirements

None

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Facility ID: 1431091117 Emissions Unit ID: F001 Issuance type: Title V Draft 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>
Synthetic marble top cleaning/grinding operation w/ baghouse	OAC 3745-31-05 (PTI 14-4274)	0.5 LB/HR PM/PM10* 2.2 TPY PM/PM10

* The hourly PM emission limit is based on the emissions unit's potential to emit. Therefore, no hourly record keeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with this limit.

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: 1431091117 Emissions Unit ID: P001 Issuance type: Title V Draft 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>
Marblene Casting 1	OAC 3745-21-07(G)(2)	8.0 LBS OC/HR and 40.0 LBS OC/DAY (not including non-photochemically reactive cleanup materials)

2. **Additional Terms and Conditions**
 - a.

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II. Operational Restrictions

1. The use of photochemically reactive cleanup materials, as defined in OAC 3745-21-01(C)(5), is prohibited in this emissions unit.

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

1. The permittee shall collect and record the following information for each day of operation for this emissions unit:
 - a. the company identification for each resin employed in the emissions unit;
 - b. the number of pounds of each resin employed in the emissions unit;
 - c. the styrene content of each resin employed, in percent by weight;
 - d. the total organic compound emission rate for each resin employed in this emissions unit, in pounds (line b X line c X .10³);
 - e. the total organic compound emission rate for all resins employed in this emissions unit, in pounds (the summation of line d for all resins employed);
 - f. the total number of hours the emissions unit was in operation;
 - g. the average hourly organic compound emission rate for all resins employed in this emissions unit (line e / line f);
 - h. the company identification for each cleanup material employed in this emissions unit and whether or not it is a photochemically reactive material; and
 - i. the total number of pounds of all resins employed in this emissions unit.

* Emission factor taken from AP-42 Polyester Resin Plastic Products Fabrication
2. The permittee shall collect and record the following information each month:
 - a. the total organic compound emissions from all resins employed, in pounds;
 - b. the total organic compound emissions from all cleanup materials evaporated, in pounds; and
 - c. the total combined emissions from all resins and cleanup materials, in pounds.

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IV. **Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports for this emissions unit. These reports shall include the following information:
 - a. an identification of each day during which the average hourly organic compound emissions from the resins employed in this emissions unit exceeded 8 pounds per hour, and the actual average hourly organic compound emissions from the resins for each such day;
 - b. an identification of each day during which the organic compound emissions from the resins employed in this emissions unit exceeded 40 pounds per day, and the actual organic compound emissions from the resins for each such day; and
 - c. an identification of each day a photochemically reactive cleanup material was employed in this emissions unit, and the actual daily organic compound emissions from such cleanup materials.

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V. **Testing Requirements**

1. Compliance with the emission limitations in A.I.1. shall be determined by the information collected and recorded in A.III.1.

If testing is required to demonstrate compliance with the allowable emission limitations in A.I.1., the testing shall be conducted using the following method:

40 CFR Part 60, Appendix A, Method 25.
2. Formulation data shall be used to determine the styrene content of each resin employed in this emissions unit.

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 1431091117 Emissions Unit ID: P001 Issuance type: Title V Draft 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>
Marblene Casting 1	OAC 3745-31-05 (PTI 14-4274)	See B.I.2.

2. Additional Terms and Conditions

- a. The following emission limitations shall not be exceeded by this emissions unit:
 1.
 - i. Emissions from marblene casting: 6.3 LBS OC/HR; 37.7 LBS OC/DAY
 - ii Emissions from cleanup: 2.3 LBS OC/HR; 13.6 LBS OC/DAY
 - iii. Total combined annual emissions (resin + cleanup): 6.5 TPY

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II. Operational Restrictions

1. The following usage limitations shall not be exceeded:
 - 190.5 pounds/hour resin (based on a daily average)
 - 4.5 pounds/hour cleanup material (based on a daily average)
 - 1142.9 pounds/day resin
 - 27.1 pounds/day cleanup material
 - 144.0 tons/year resin
 - 6840.0 pounds/year cleanup material
2. The styrene content of the resin used in this emission unit shall not exceed 33% by weight.
3. The permittee shall reclaim no less than 50 percent of the cleanup material used in this emissions unit.
4. The OC content of the cleanup material used in this emissions unit shall not exceed 8.86 pounds per gallon.

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information for each day of operation of this emissions unit:
 - a. the company identification for each cleanup material employed;
 - b. the number of gallons of each cleanup material evaporated (gallons employed minus gallons reclaimed);
 - c. the organic compound content of each cleanup material, in pounds of OC per gallon;
 - d. the organic compound emission rate for each cleanup materials evaporated, in pounds (line b X line c);
 - e the organic compound emission rate for all cleanup materials evaporated, in pounds (the summation of line d for all cleanup materials used);
 - f. the total number of hours the emissions unit was in operation; and
 - g. the average hourly organic compound emission rate for all cleanup materials employed, in pounds (line e / line f).

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IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports for this emissions unit. These reports shall include the following information:
 - a. an identification of each day during which the average hourly organic compound emissions from the resins employed in this emissions unit exceeded 6.3 pounds per hour (see A.III.1.g), and the actual average hourly organic compound emissions from the resins for each such day;
 - b. an identification of each day during which the average hourly organic compound emissions from the cleanup materials evaporated exceeded 2.3 pounds per hour, and the actual average hourly organic compound emissions from these cleanup materials for each such day;
 - c. an identification of each day during which the organic compound emissions from the resins employed in this emissions unit exceeded 37.7 pounds per day (see A.III.1.e), and the actual organic compound emissions of the resins for each such day;
 - d. an identification of each day during which the organic compound emissions from the cleanup materials evaporated exceeded 13.6 pounds per day, and the actual organic compound emissions from these cleanup materials for each such day; and
 - e. an identification of each day during which the styrene content limitation and/or OC content limitation was/were exceeded and the actual styrene content and/or OC content for each such day.
2. The permittee shall submit annual reports which specify the total organic compound emissions, the total resin usage (in tons), and the total cleanup material usage (in pounds) for this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year and shall cover the previous 12 months.

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V. Testing Requirements

1. Compliance with the emission limitations in B.I.2. shall be determined by the information collected and recorded in A.III.1 and B.III.1.

If testing is required to demonstrate compliance with the allowable emission limitations in B.I.1., the testing shall be conducted using the following method:

40 CFR Part 60, Appendix A, Method 25.
2. Compliance with the usage limitations listed in B.II shall be demonstrated by the recordkeeping specified in Sections A.III. and B.III.
3. Compliance with the styrene content and OC content limitations shall be determined by formulation data or USEPA Method 24.

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VI. Miscellaneous Requirements

None

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 1431091117 Emissions Unit ID: P002 Issuance type: Title V Draft 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>
Marblene Casting 2	OAC 3745-21-07(G)(2)	8.0 LBS OC/HR and 40.0 LBS OC/DAY (not including non-photochemically reactive cleanup materials)

2. **Additional Terms and Conditions**

a.

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II. Operational Restrictions

1. The use of photochemically reactive cleanup materials, as defined in OAC 3745-21-01(C)(5), is prohibited in this emissions unit.

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information for each day of operation for this emissions unit:
 - a. the company identification for each resin employed in the emissions unit;
 - b. the number of pounds of each resin employed in the emissions unit;
 - c. the styrene content of each resin employed, in percent by weight;
 - d. the total organic compound emission rate for each resin employed in this emissions unit, in pounds (line b X line c X .10*);
 - e. the total organic compound emission rate for all resins employed in this emissions unit, in pounds (the summation of line d for all resins employed);
 - f. the total number of hours the emissions unit was in operation;
 - g. the average hourly organic compound emission rate for all resins employed in this emissions unit (line e / line f);
 - h. the company identification for each cleanup material employed in this emissions unit and whether or not it is a photochemically reactive material; and
 - i. the total number of pounds of all resins employed in this emissions unit.

* Emission factor taken from AP-42 Polyester Resin Plastic Products Fabrication
2. The permittee shall collect and record the following information each month:
 - a. the total organic compound emissions from all resins employed, in pounds;
 - b. the total organic compound emissions from all cleanup materials evaporated, in pounds; and
 - c. the total combined emissions from all resins and cleanup materials, in pounds.

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IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports for this emissions unit. These reports shall include the following information:
 - a. an identification of each day during which the average hourly organic compound emissions from the resins employed in this emissions unit exceeded 8 pounds per hour, and the actual average hourly organic compound emissions from the resins for each such day;
 - b. an identification of each day during which the organic compound emissions from the resins employed in this emissions unit exceeded 40 pounds per day, and the actual organic compound emissions from the resins for each such day; and
 - c. an identification of each day a photochemically reactive cleanup material was employed in this emissions unit, and the actual daily organic compound emissions from such cleanup materials.

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V. Testing Requirements

1. Compliance with the emission limitations in A.I.1. shall be determined by the information collected and

recorded in A.III.1.

If testing is required to demonstrate compliance with the allowable emission limitations in A.I.1., the testing shall be conducted using the following method:

40 CFR Part 60, Appendix A, Method 25.

2. Formulation data shall be used to determine the styrene content of each resin employed in this emissions unit.

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 1431091117 Emissions Unit ID: P002 Issuance type: Title V Draft 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>
Marblene Casting 2	OAC 3745-31-05 (PTI 14-4416)	See B.I.2.

2. **Additional Terms and Conditions**

- a. The following emission limitations shall not be exceeded by this emissions unit:

1.
 - i. Emissions from marblene casting: 6.3 LBS OC/HR; 37.7 LBS OC/DAY
 - ii Emissions from cleanup: 2.3 LBS OC/HR; 13.6 LBS OC/DAY
 - iii. Total combined annual emissions (resin + cleanup): 6.5 TPY

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II. **Operational Restrictions**

1. The following usage limitations shall not be exceeded:
 - 190.5 pounds/hour resin (based on a daily average)
 - 4.5 pounds/hour cleanup material (based on a daily average)
 - 1142.9 pounds/day resin
 - 27.1 pounds/day cleanup material
 - 144.0 tons/year resin
 - 6840.0 pounds/year cleanup material
2. The styrene content of the resin used in this emission unit shall not exceed 33% by weight.
3. The permittee shall reclaim no less than 50 percent of the cleanup material used in this emissions unit.
4. The OC content of the cleanup material used in this emissions unit shall not exceed 8.86 pounds per gallon.

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

1. The permittee shall collect and record the following information for each day of operation of this emissions unit:
 - a. the company identification for each cleanup material employed;
 - b. the number of gallons of each cleanup material evaporated (gallons employed minus gallons reclaimed);
 - c. the organic compound content of each cleanup material, in pounds of OC per gallon;
 - d. the organic compound emission rate for each cleanup material evaporated, in pounds (line b X line c);
 - e. the organic compound emission rate for all cleanup materials evaporated, in pounds (the summation of line d for all cleanup materials used);
 - f. the total number of hours the emissions unit was in operation; and
 - g. the average hourly organic compound emission rate for all cleanup materials employed, in pounds (line e / line f).

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IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports for this emissions unit. These reports shall include the following information:
 - a. an identification of each day during which the average hourly organic compound emissions from the resins employed in this emissions unit exceeded 6.3 pounds per hour (see A.III.1.g), and the actual average hourly organic compound emissions from the resins for each such day;
 - b. an identification of each day during which the average hourly organic compound emissions from the cleanup materials evaporated exceeded 2.3 pounds per hour, and the actual average hourly organic compound emissions from these cleanup materials for each such day;
 - c. an identification of each day during which the organic compound emissions from the resins employed in this emissions unit exceeded 37.7 pounds per day (see A.III.1.e), and the actual organic compound emissions of the resins for each such day;
 - d. an identification of each day during which the organic compound emissions from the cleanup materials evaporated exceeded 13.6 pounds per day, and the actual organic compound emissions from these cleanup materials for each such day; and
 - e. an identification of each day during which the styrene content limitation and/or OC content limitation was/were exceeded and the actual styrene content and/or OC content for each such day.
2. The permittee shall submit annual reports which specify the total organic compound emissions, the total resin usage (in tons), and the total cleanup material usage (in pounds) for this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year and shall cover the previous 12 months.

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V. Testing Requirements

1. Compliance with the emission limitations in B.I.2. shall be determined by the information collected and recorded in A.III.1 and B.III.1.

If testing is required to demonstrate compliance with the allowable emission limitations in B.I.1., the testing shall be conducted using the following method:

40 CFR Part 60, Appendix A, Method 25.
2. Compliance with the usage limitations listed in B.II shall be demonstrated by the recordkeeping specified in Sections A.III. and B.III.
3. Compliance with the styrene content and OC content limitations shall be determined by formulation data or USEPA Method 24.

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VI. Miscellaneous Requirements

None

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 1431091117 Emissions Unit ID: P901 Issuance type: Title V Draft 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>
Mill and stair line w/ cyclone	OAC 3745-17-07(A)	The visible particulate emission limitations specified in OAC 3745-17-07(A) are less stringent than the requirements specified in OAC 3745-17-08(B)(3)(b).
	OAC 3745-17-07(B)	Fugitive visible particulate emissions from this emissions unit shall not exceed 20% opacity, as a three minute average, except as provided by rule.
	OAC 3745-17-08(B)(3)	See A.2.

2. Additional Terms and Conditions

- a. No person shall cause or permit any fugitive dust source to be operated; or any materials to be handled, transported, or stored; without taking or installing reasonably available control measures to prevent fugitive dust from becoming airborne. Such reasonably available control measures shall include, but not be limited to, one or more of the following which are appropriate to minimize or eliminate visible particulate emissions of fugitive dust:
 - (a) The installation and use of hoods, fans, and other equipment to adequately enclose, contain, capture, vent and control the fugitive dust. Such equipment shall meet the following requirements:
 - i. The collection efficiency is sufficient to minimize or eliminate visible particulate emissions of fugitive dust at the point(s) of capture to the extent possible with good engineering design; and
 - ii. The particulate emission rate from the baghouse shall be less than .030 grain of particulate emissions per dry standard cubic foot of exhaust gases or there are no visible particulate emissions from the baghouse exhaust stack(s), whichever is less stringent.

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II. Operational Restrictions

1. None

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall perform weekly inspections of the cyclone controlling this emissions unit to ensure that it is functioning properly. The results of this inspection shall be recorded and maintained in a logbook. The inspection shall include the following items:
 - a. an inspection of the air flow to the cyclone to ensure proper collection of particulate emissions;
 - b. an inspection of the collection point within the cyclone to ensure that it is free of blockage; and
 - c. an inspection of the exhaust gases from the cyclone for the presence of visible emissions.

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IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify all periods of time during which the presence of visible emissions from the cyclone was noted. This report shall include the problem causing the deviation and the corrective action taken.

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V. **Testing Requirements**

1. Compliance with the visible emission limitation in A.2.a shall be demonstrated by the methods specified in OAC 3745-17-08(B)(3).
2. Should testing be required to demonstrate compliance with the allowable emission limitation of 0.030 grain of particulate emissions per dry standard cubic foot of exhaust gases (in lieu of compliance with the visible emission limitation listed in OAC 3745-17-08(B)(3)(b)), the testing shall be conducted using the following method:

40 CFR Part 60, Appendix A, Method 5

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VI. **Miscellaneous Requirements**

None

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Facility ID: 1431091117 Emissions Unit ID: P901 Issuance type: Title V Draft 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>
Mill and stair line w/ cyclone	OAC 3745-31-05 (PTI 14-4274)	0.5 LB/HR PM/PM10* 2.2 TPY PM/PM10

* The hourly PM emission limit is based on the emissions unit's potential to emit. Therefore, no hourly record keeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with this limit.

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: 1431091117 Emissions Unit ID: R001 Issuance type: Title V Draft 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>
Gelcoat Line 1	OAC 3745-21-07(G)(2)	8.0 LBS OC/HR and 40.0 LBS OC/DAY (not including non-photochemically reactive cleanup materials)

- 2. **Additional Terms and Conditions**
 - a.

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II. **Operational Restrictions**

- 1. The use of photochemically reactive cleanup materials, as defined in OAC 3745-21-01(C)(5), is prohibited in this emissions unit.

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

- 1. The permittee shall collect and record the following information for each day of operation for this emissions unit:
 - a. the company identification for each gel coat employed in the emissions unit;
 - b. the number of pounds of each gel coat employed in the emissions unit;
 - c. the styrene content of each gel coat employed, in percent by weight;
 - d. the total organic compound emission rate for each gel coat employed in this emissions unit, in pounds (line b X line c X .35*);
 - e. the total organic compound emission rate for all gel coats employed in this emissions unit, in pounds (the summation of line d for all resins employed);
 - f. the total number of hours the emissions unit was in operation;

- g. the average hourly organic compound emission rate for all gel coats employed in this emissions unit (line e / line f);
 - h. the company identification for each cleanup material employed in this emissions unit and whether or not it is a photochemically reactive material; and
 - i. the total number of pounds of all gel coats employed in this emissions unit.
- * Emission factor taken from AP-42 Polyester Resin Plastic Products Fabrication
2. The permittee shall collect and record the following information each month:
- a. the total organic compound emissions from all gel coats employed, in pounds;
 - b. the total organic compound emissions from all cleanup materials evaporated, in pounds; and
 - c. the total combined emissions from all gel coats and cleanup materials, in pounds.

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IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports for this emissions unit. These reports shall include the following information:
- a. an identification of each day during which the average hourly organic compound emissions from the gel coats employed in this emissions unit exceeded 8 pounds per hour, and the actual average hourly organic compound emissions from the gel coats for each such day;
 - b. an identification of each day during which the organic compound emissions from the gel coats employed in this emissions unit exceeded 40 pounds per day, and the actual organic compound emissions from the gel coats for each such day; and
 - c. an identification of each day a photochemically reactive cleanup material was employed in this emissions unit, and the actual daily organic compound emissions from such cleanup materials.

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V. Testing Requirements

1. Compliance with the emission limitations in A.I.1. shall be determined by the information collected and recorded in A.III.1.
- If testing is required to demonstrate compliance with the allowable emission limitations in A.I.1., the testing shall be conducted using the following method:
- 40 CFR Part 60, Appendix A, Method 25.
2. Formulation data shall be used to determine the styrene content of each gel coat employed in this emissions unit.

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VI. Miscellaneous Requirements

1. None

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Facility ID: 1431091117 Emissions Unit ID: R001 Issuance type: Title V Draft 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>
Gelcoat Line 1	OAC 3745-31-05 (PTI 14-4274)	See B.I.2.

2. **Additional Terms and Conditions**

- a. The following emission limitations shall not be exceeded by this emissions unit:
 1.
 - i. Emissions from gel coat and cleanup: 2.7 LBS OC/HR; 16.4 LBS OC/DAY
 - ii. Total combined annual emissions (gel coat + cleanup): 2.1 TPY

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- II. **Operational Restrictions**

1. The following usage limitations shall not be exceeded:
 - 15.9 pounds/hour gel coat (based on a daily average)
 - .2 pounds/hour cleanup material (based on a daily average)
 - 95.2 pounds/day gel coat
 - 1.3 pounds/day cleanup material
 - 12.0 tons/year gel coat
 - 360 pounds/year cleanup material
2. The styrene content of the gel coat used in this emission unit shall not exceed 47% by weight.
3. The permittee shall reclaim no less than 50 percent of the cleanup material used in this emissions unit.
4. The OC content of the cleanup material used in this emissions unit shall not exceed 8.86 pounds per gallon.

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

1. The permittee shall collect and record the following information for each day of operation of this emissions unit:
 - a. the company identification for each cleanup material employed;
 - b. the number of gallons of each cleanup material evaporated (gallons employed minus gallons reclaimed);
 - c. the organic compound content of each cleanup material, in pounds of OC per gallon;
 - d. the organic compound emission rate for each cleanup material evaporated, in pounds (line b X line c);
 - e. the organic compound emission rate for all cleanup materials evaporated, in pounds (the summation of line d for all cleanup materials used);
 - f. the total number of hours the emissions unit was in operation; and
 - g. the average hourly organic compound emission rate for all cleanup materials employed, in pounds (line e / line f).

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- IV. **Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports for this emissions unit. These reports shall include the following information:
 - a. an identification of each day during which the average hourly organic compound emissions from the gel coats employed in this emissions unit exceeded 15.9 pounds per hour (See A.III.1.g), and the actual average hourly organic compound emissions from the gel coats for each such day;
 - b. an identification of each day during which the average hourly organic compound emissions from the cleanup materials evaporated exceeded 0.2 pounds per hour, and the actual average hourly organic compound emissions from these cleanup materials for each such day;
 - c. an identification of each day during which the organic compound emissions from the gel coats employed in this emissions unit exceeded 95.2 pounds per day (See A.III.1.e), and the actual organic compound emissions of the gel coats for each such day;
 - d. an identification of each day during which the organic compound emissions from the cleanup materials

evaporated exceeded 1.4 pounds per day, and the actual organic compound emissions from these cleanup materials for each such day; and

e. an identification of each day during which the styrene content limitation and/or OC content limitation was/were exceeded and the actual styrene content and/or OC content for each such day.

2. The permittee shall submit annual reports which specify the total organic compound emissions, the total gel coat usage (in tons), and the total cleanup material usage (in pounds) for this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year and shall cover the previous 12 months.

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V. **Testing Requirements**

1. Compliance with the emission limitations in B.I.2. shall be determined by the information collected and recorded in A.III.1 and B.III.1.

If testing is required to demonstrate compliance with the allowable emission limitations in B.I.1., the testing shall be conducted using the following method:

40 CFR Part 60, Appendix A, Method 25.

2. Compliance with the usage limitations listed in B.II shall be demonstrated by the recordkeeping specified in Sections A.III. and B.III.
3. Compliance with the styrene content and OC content limitations shall be determined by formulation data or USEPA Method 24.

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VI. **Miscellaneous Requirements**

None

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Facility ID: 1431091117 Emissions Unit ID: R002 Issuance type: Title V Draft 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>
Laminate Adhesive Line	OAC 3745-21-07(G)(2)	8.0 LBS/HR OC 40.0 LBS/DAY OC

2. **Additional Terms and Conditions**

a.

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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 the coating operation:
 - a. The company identification for each coating and cleanup material employed.
 - b. Documentation on whether each coating and cleanup material is a photochemically reactive material.
 - c. The number of gallons of each coating, photochemically reactive cleanup material, and non-photochemically reactive cleanup material employed.
 - d. The organic compound content of each coating and cleanup material, in pounds per gallon.
 - e. The total organic compound emission rate for each coating and photochemically reactive cleanup material, in pounds per day.
 - f. The total organic compound emission rate for all coatings and photochemically reactive cleanup materials, in pounds per day.
 - g. The total number of hours the emissions unit was in operation.
 - h. The average hourly organic compound emission rate for all coatings and photochemically reactive cleanup materials, i.e., line f / line g, in pounds per hour (average).

[Note: The coating information must be for the coatings as employed, including any thinning solvents added at the emissions unit. Also, the definitions of "photochemically reactive" and "nonphotochemically reactive" are based upon OAC rule 3745-21-01(C)(5).]

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IV. **Reporting Requirements**

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

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V. **Testing Requirements**

1. Formulation data or USEPA method 24 shall be used to determine the OC contents of the inks and coatings and cleanup materials.
2. Compliance with the emission limitations in A.I.1. shall be determined by the information collected and recorded in A.III.1.

If testing is required to demonstrate compliance with the allowable emission limitations in A.I.1., the testing shall be conducted using the following method:

40 CFR Part 60, Appendix A, Method 25.

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VI. **Miscellaneous Requirements**

1. None

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Facility ID: 1431091117 Emissions Unit ID: R002 Issuance type: Title V Draft 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>
Laminate Adhesive Line	OAC 3745-31-05 (14-4328)	7.3 TPY of OC

2. Additional Terms and Conditions

- 1. None

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II. Operational Restrictions

- 1. The permittee shall maintain tightly fitting caps and/or lids on the adhesive and solvent containers, at all times, except when filling or emptying the containers.

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III. Monitoring and/or Record Keeping Requirements

- 1. In addition to the record keeping specified in A.III.1, the permittee shall collect and record the following information for the purpose of determining annual organic compound emissions:
 - a. The company identification for each nonphotochemically reactive cleanup material employed.
 - b. The number of gallons of each nonphotochemically reactive cleanup material employed.
 - c. The organic compound content of each nonphotochemically reactive cleanup material, in pounds per gallon.
 - d. The total organic compound emission rate for all nonphotochemically reactive cleanup materials, in pounds.

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IV. Reporting Requirements

- 1. The permittee shall also 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 January 31 of each year.

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V. Testing Requirements

- 1. Compliance with the emission limitation in B.I.1. shall be determined by the information collected and recorded in A.III.1 and B.III.1.

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VI. Miscellaneous Requirements

- 1. None

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Facility ID: 1431091117 Emissions Unit ID: R003 Issuance type: Title V Draft 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>
Gelcoat Line 2	OAC 3745-21-07(G)(2)	8.0 LBS OC/HR and 40.0 LBS OC/DAY (not including non-photochemically reactive cleanup materials)

2. Additional Terms and Conditions

- a.

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II. Operational Restrictions

1. The use of photochemically reactive cleanup materials, as defined in OAC 3745-21-01(C)(5), is prohibited in this emissions unit.

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information for each day of operation for this emissions unit:
 - a. the company identification for each gel coat employed in the emissions unit;
 - b. the number of pounds of each gel coat employed in the emissions unit;
 - c. the styrene content of each gel coat employed, in percent by weight;
 - d. the total organic compound emission rate for each gel coat employed in this emissions unit, in pounds (line b X line c X .35*);
 - e. the total organic compound emission rate for all gel coats employed in this emissions unit, in pounds (the summation of line d for all resins employed);
 - f. the total number of hours the emissions unit was in operation;
 - g. the average hourly organic compound emission rate for all gel coats employed in this emissions unit (line e / line f);
 - h. the company identification for each cleanup material employed in this emissions unit and whether or not it is a photochemically reactive material; and
 - i. the total number of pounds of all gel coats employed in this emissions unit.

* Emission factor taken from AP-42 Polyester Resin Plastic Products Fabrication
2. The permittee shall collect and record the following information each month:
 - a. the total organic compound emissions from all gel coats employed, in pounds;
 - b. the total organic compound emissions from all cleanup materials evaporated, in pounds; and
 - c. the total combined emissions from all gel coats and cleanup materials, in pounds.

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IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports for this emissions unit. These reports shall include the following information:
 - a. an identification of each day during which the average hourly organic compound emissions from the gel coats employed in this emissions unit exceeded 8 pounds per hour, and the actual average hourly organic

compound emissions from the gel coats for each such day;

- b. an identification of each day during which the organic compound emissions from the gel coats employed in this emissions unit exceeded 40 pounds per day, and the actual organic compound emissions from the gel coats for each such day; and
- c. an identification of each day a photochemically reactive cleanup material was employed in this emissions unit, and the actual daily organic compound emissions from such cleanup materials.

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V. **Testing Requirements**

- 1. Compliance with the emission limitations in A.I.1. shall be determined by the information collected and recorded in A.III.1.

If testing is required to demonstrate compliance with the allowable emission limitations in A.I.1., the testing shall be conducted using the following method:

40 CFR Part 60, Appendix A, Method 25.
- 2. Formulation data shall be used to determine the styrene content of each gel coat employed in this emissions unit.

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VI. **Miscellaneous Requirements**

- 1. None

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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>
Gelcoat Line 2	OAC 3745-31-05 (PTI 14-4274)	See B.I.2.

2. **Additional Terms and Conditions**

- a. The following emission limitations shall not be exceeded by this emissions unit:
 - 1.
 - i. Emissions from gel coat and cleanup: 2.7 LBS OC/HR; 16.4 LBS OC/DAY
 - ii. Total combined annual emissions (gel coat + cleanup): 2.1 TPY

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II. **Operational Restrictions**

- 1. The following usage limitations shall not be exceeded:
 - 15.9 pounds/hour gel coat (based on a daily average)
 - .2 pounds/hour cleanup material (based on a daily average)

- 95.2 pounds/day gel coat
 - 1.3 pounds/day cleanup material
 - 12.0 tons/year gel coat
 - 360.0 pounds/year cleanup material
- 2. The styrene content of the gel coat used in this emission unit shall not exceed 47% by weight.
- 3. The permittee shall reclaim no less than 50 percent of the cleanup material used in this emissions unit.
- 4. The OC content of the cleanup material used in this emissions unit shall not exceed 8.86 pounds per gallon.

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information for each day of operation of this emissions unit:
 - a. the company identification for each cleanup material employed;
 - b. the number of gallons of each cleanup material evaporated (gallons employed minus gallons reclaimed);
 - c. the organic compound content of each cleanup material, in pounds of OC per gallon;
 - d. the organic compound emission rate for each cleanup material evaporated, in pounds (line b X line c);
 - e. the organic compound emission rate for all cleanup materials evaporated, in pounds (the summation of line d for all cleanup materials used);
 - f. the total number of hours the emissions unit was in operation; and
 - g. the average hourly organic compound emission rate for all cleanup materials employed, in pounds (line e / line f).

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IV. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports for this emissions unit. These reports shall include the following information:
 - a. an identification of each day during which the average hourly organic compound emissions from the gel coats employed in this emissions unit exceeded 15.9 pounds per hour (See A.III.1.g), and the actual average hourly organic compound emissions from the gel coats for each such day;
 - b. an identification of each day during which the average hourly organic compound emissions from the cleanup materials evaporated exceeded 0.2 pounds per hour, and the actual average hourly organic compound emissions from these cleanup materials for each such day;
 - c. an identification of each day during which the organic compound emissions from the gel coats employed in this emissions unit exceeded 95.2 pounds per day (See A.III.1.e), and the actual organic compound emissions of the gel coats for each such day;
 - d. an identification of each day during which the organic compound emissions from the cleanup materials evaporated exceeded 1.4 pounds per day, and the actual organic compound emissions from these cleanup materials for each such day;
 - e. an identification of each day during which the styrene content limitation and/or OC content limitation was/were exceeded and the actual styrene content and/or OC content for each such day.
2. The permittee shall submit annual reports which specify the total organic compound emissions, the total gel coat usage (in tons), and the total cleanup material usage (in pounds) for this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year and shall cover the previous 12 months.

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V. Testing Requirements

1. Compliance with the emission limitations in B.I.2. shall be determined by the information collected and recorded in A.III.1 and B.III.1.

If testing is required to demonstrate compliance with the allowable emission limitations in B.I.1., the testing shall be conducted using the following method:

 - 40 CFR Part 60, Appendix A, Method 25.
2. Compliance with the usage limitations listed in B.II shall be demonstrated by the recordkeeping specified in Sections A.III. and B.III.
3. Compliance with the styrene content and OC content limitations shall be determined by formulation data or

USEPA Method 24.

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VI. **Miscellaneous Requirements**

None