

Facility ID: 0125102368 Issuance type: Final State Permit To Operate

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 II" and before "A. Applicable Emissions Limitations..." has been added to aid in document conversion, and was not part of the original issued permit.

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THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION

Facility ID: 0125102368 Emissions Unit ID: R003 Issuance type: Final State Permit To Operate

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Part II - Special Terms and Conditions

This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

1. For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.
 - (a) None.
2. For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.
 - (a) None.

A. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be 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>
Adhesive spray booth 3 with electric oven for plastics parts coating	OAC rule 3745-31-05(A)(3) (PTI 01-12126)	Organic compound (OC) emissions from this emissions unit shall not exceed 16.23 lbs OC/hr, excluding cleanup solvent usage. See sections A.2.a, A.2.b and B.1 below.
	OAC rule 3745-21-07(G)(2)	The requirements of this rule also include compliance with the requirements of OAC 3745-21-07(G)(2) and rule 3745-31-05(C). See section A.2.a, below.
	OAC rule 3745-31-05(C) (synthetic minor to avoid Title V and MACT)	The OC emissions from all materials employed in emissions units shall not exceed 10 tons per rolling, 12- month period, including cleanup solvent usage .
	ORC 3704.03(T)(4) OAC rule 3745-17-07(A)(1)(b) OAC rule 3745-17-11(A)(2)	See sections A.2.c and B.1 below. See section A.2.d below. See sections A.2.e and B.2 below. Particulate emissions (PE) shall not exceed 0.551 lbs/hr.

2. Additional Terms and Conditions

- (a) To avoid the emission limitations/control requirements contained in OAC rule 3745-21-07(G)(2), no photochemically reactive materials (i.e., as raw materials or cleanup materials) shall be employed in this emissions unit.

Note: The definition of "photochemically reactive material" is based upon OAC rule 3745-21-01(C)(5). The 16.23 lbs OC/hr emissions limitation was established to reflect the potential to emit of this emission unit. The hourly emission limitation is based upon a "worse case" adhesive formulation derived from calculations in the applicant's air permit to install application. Therefore, compliance with the hourly and annual emission limitation is assumed as long as the permittee does not exceed the operational restrictions in this permit.
 Facility-wide emissions shall not exceed 49.35 tons of OC, 9.9 tons of individual hazardous air pollutant (HAP) emissions and 24.9 tons of total combined HAP emissions per rolling, 12-month period.

Facility-wide emissions shall be determined from a summation of monthly emissions from R003 and R004 and all emissions units that are exempt or permit by rule (OAC rule 3745-31-03), and de minimis (OAC rule 3745-15-05).

Therefore, the provisions for Title V permitting and the National Emission Standards for Hazardous Air Pollutants (NESHAP) for Surface Coating of Plastic Parts and Products (40 CFR part 63, subpart PPPP) will not be applicable.

1A listing of the HAPs can be found in Section 112(b) of the Clean Air Act or can be obtained by contacting your Ohio EPA field office or local air agency contact.

The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to the particulate emissions (PE) from this air contaminant source since the potential to emit for PE is less than 10 tons per year.

Visible PE from any stack serving this emissions unit shall not exceed 20 % opacity, as a six-minute average, except as specified by rule.

B. Operational Restrictions

1. The operational restrictions on the facility-wide potential to emit for individual HAP, combined HAP and OC emissions for emissions unit R003 that establish federally enforceable limitations are as follows:
 - a. the permittee shall not employ more than 3,600 gallons of adhesive in this spray booth based upon a rolling, 12-month summation of usage; and
 - b. the OC content of adhesives employed in this booth shall not exceed 5.41 lbs OC/gallon and 1.02 lbs hexane/gallon.
2. The permittee shall maintain daily records that document any time periods when the dry filtration system was not in service when the emissions unit was in operation.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information for booth 3 (R003) for each month during which adhesives are applied:
 - a. the company identification for each coating and cleanup material employed and whether or not the material is a photochemically reactive material;
 - b. the number of gallons of each coating and cleanup material employed in the booth;
 - c. the OC and HAP content of each coating and cleanup material, in pounds per gallon;
 - d. the total OC emission rate for all coatings and cleanup material, in pounds;
 - e. the total HAP emission rate for all coatings and cleanup material, in pounds;
 - f. the rolling, 12-month summation of adhesive usages, in gallons; and
 - g. the rolling, 12-month summation of OC emissions (i.e., the OC emissions from the current month added to the summation of the OC emissions from the previous 11 months).

[Note: The coating information must be for the coatings as employed, including any thinning solvents added at the emissions unit.]
2. The permittee shall collect and record the following information during each month for the purpose of determining annual OC and HAP emissions from emissions units R003, R004 and exempt and de minimus emissions unit:
 - a. the monthly OC and HAP emission rate for all coatings and cleanup materials, in pounds from each of the above emissions units;
 - b. the rolling, 12-month summation of OC emissions (i.e., the OC emissions from the current month added to the summation of the OC emissions from the previous 11 months) for all of the above emissions units;
 - c. the calculated individual HAP emission for the current month, in pounds or tons, for each of the above emissions units;
 - d. the calculated total HAP emissions for the current month, in pounds or tons, for each the above emissions units;
 - e. the rolling 12-month summation of individual HAP emissions (i.e., the individual HAP emissions from the current month added to the summation of the individual HAP emissions from the previous 11 months) for all the above emissions units; and
 - f. the rolling 12-month summation of total combined HAP emissions (i.e., the total combined HAP emissions from the current month added to the summation of the total combined HAP emissions from the previous 11 months) for all of the above emissions units.
3. The permit to install for emissions units R003 and R004 was evaluated based on the actual materials and the design parameters of the emissions unit's exhaust system, as specified by the permittee in the permit to install application. The Ohio EPA's "Review of New Sources of Air Toxic Emissions" policy ("Air Toxic Policy") was applied to this emissions unit for each toxic pollutant, using data from the permit to install application, and modeling was performed for the toxic pollutant(s) emitted at over a ton per year using the SCREEN 3.0 model or other Ohio EPA approved model. The predicted 1-hour maximum ground-level concentration result(s) from the use of the SCREEN 3.0 (or other approved) model, was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC), calculated as required in Engineering Guide #70. The following summarizes the results of the modeling for the "worst case" pollutant(s):

Pollutant: MEK
 TLV (mg/m3): 590
 Maximum Hourly Emission Rate (lbs/hr): 8 lbs/hr
 Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 1,317
 MAGLC (ug/m3): 14,047

Pollutant: Hexane
 TLV (mg/m3): 180
 Maximum Hourly Emission Rate (lbs/hr): 3.1 lbs/hr
 Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 507
 MAGLC (ug/m3): 4,285

Physical changes to or changes in the method of operation of the emissions unit after its installation or modification could affect the parameters used to determine whether or not the "Air Toxic Policy" is satisfied. Consequently, prior to making a change that could impact such parameters, the permittee shall conduct an evaluation to determine that the "Air Toxic Policy" will still be satisfied. If, upon evaluation, the permittee determines that the "Air Toxic Policy" will not be satisfied, the permittee will not make the change. Changes that can affect the parameters used in applying the "Air Toxic Policy" include the following:

- a. changes in the composition of the materials used or the use of new materials, that would result in the emission of a compound or chemical with a lower Threshold Limit Value (TLV) than the lowest TLV previously modeled, as documented in the most current version of the American Conference of Governmental Industrial Hygienists' (ACGIH's) handbook entitled "TLVs and BEIs" ("Threshold Limit Values for Chemical Substances and Physical Agents, Biological Exposure Indices");
- b. changes in the composition of the materials, or use of new materials, that would result in an increase in emissions of any pollutant with a listed TLV that was proposed in the application and modeled; and
- c. physical changes to the emissions unit or its exhaust parameters (e.g., increased/ decreased exhaust flow, changes in stack height, changes in stack diameter, etc.).

If the permittee determines that the "Air Toxic Policy" will be satisfied for the above changes, the Ohio EPA will not consider the change(s) to be a "modification" under OAC rule 3745-31-01 solely due to the emissions of any type of toxic air contaminant not previously emitted, and a modification of the existing permit to install will not be required, even if the toxic air contaminant emissions are greater than the de minimis level in OAC rule 3745-15-05. If the change(s) meet(s) the definition of a "modification" under other provisions of the rule, then the permittee shall obtain a final permit to install prior to the change.

The permittee shall collect, record, and retain the following information when it conducts evaluations to determine that the changed emissions unit will still satisfy the "Air Toxic Policy":

- a. a description of the parameters changed (composition of materials, new pollutants emitted, change in stack/exhaust parameters, etc.);
 - b. documentation of the evaluation and determination that the changed emissions unit still satisfies the "Air Toxic Policy"; and
 - c. where computer modeling is performed, a copy of the resulting computer model runs that show the results of the application of the "Air Toxic Policy" for the change.
4. The permittee shall maintain daily records that document any time periods when the dry filtration system was not in service when the emissions unit was in operation.
- D. Reporting Requirements**
1. The permittee shall submit quarterly exceedance reports to the CDO which document any exceedance of the operational restriction set forth in terms A.2.c and B.1 for the previous three calendar months (January 1 through March 31, April 1 through June 30, July 1 through September 30, and October 1 through December 31).

The reports shall be submitted by April 15, July 15, October 15, and February 15 of each year and shall provide a summary of the record keeping required by terms C.1,C.2, and C.3 for each reported exceedance.
 2. The permittee shall submit a quarterly deviation (excursion) report for all periods of time during which the emissions unit was operated while the dry filter system was not in operation, as specified in section A.2.b above, and any actions taken to return the to a compliant operation.
- E. Testing Requirements**
1. Compliance with the emission limitation shall be determined in accordance with the following methods:
Emissions Limitation
OC emissions shall not exceed 16.23 lbs/hr, excluding cleanup solvent usage

Applicable Compliance Method
The hourly emission rate was derived from the maximum adhesive application rate and adhesive solvent content as follows: 3 gal/hr * 5.41 lbs OC/gal = 16.23 lbs OC/hr
Emissions Limitation:
The permittee shall not employ more than 3,600 gallons of adhesive in this spray booth based upon a rolling, 12-month summation of usage

Applicable Compliance Method:
Compliance shall be demonstrated by record keeping in section C.1.b, above.
Emissions Limitation:
The OC content of adhesives employed in this booth shall not exceed 5.41 lbs OC/gallon and 1.02 lbs hexane/gallon.

Applicable Compliance Method:
Compliance shall be demonstrated by record keeping in section C.1.c, above.
Emissions Limitation
The OC emissions from all materials employed in emissions units shall not exceed 10 tons per rolling, 12-month period.

Applicable Compliance Method
Compliance shall be demonstrated by record keeping in section C.1.f, above.
Emissions Limitation
Facility-wide emissions shall not exceed 49.35 tons of OC per year, based upon a rolling, 12-month summation of the monthly emissions.

Applicable Compliance Method

Compliance shall be demonstrated by record keeping in section C.2.b, above.

Emission Limitation

Facility-wide emissions shall not exceed 9.9 of an individual HAP and 24.9 tons total combined HAPs per year, based upon a rolling, 12-month summation of the monthly emissions.

Applicable Compliance Method

Compliance shall be demonstrated by record keeping in section C.2.e and C.2.f, above.

Emission Limitation:

Visible PE from any stack serving this emissions unit shall not exceed 20 % opacity, as a six-minute average, except as specified by rule.

Applicable Compliance Method:

If required, compliance with the above visible emission limitation shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(1) using the methods and procedures specified in USEPA Reference Method 9.

Emission Limitation:

PE shall not exceed 0.551 lb/hr.

Applicable Compliance Method:

To determine the worst case PE rate, the following equation shall be used:

$$E = \text{maximum coating solids usage rate, in pounds per hour,} \times (1-TE) \times (1-CE)$$

where E = PE rate (lbs/hr);

TE = fractional transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used (0.55); and

CE = fractional control efficiency of the control equipment (0.99).

When requested by the Ohio EPA, the permittee shall demonstrate compliance with the above emissions limitation pursuant to OAC rule 3745-17-03(B)(10).

F. Miscellaneous Requirements

1. None

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Facility ID: 0125102368 Emissions Unit ID: R004 Issuance type: Final State Permit To Operate

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Part II - Special Terms and Conditions

This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

1. For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.
 - (a) None.
2. For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.
 - (a) None.

A. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be 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>
Adhesive spray booth 4 with electric oven for plastics parts coating	OAC rule 3745-31-05(A)(3) (PTI 01-12126)	Organic compound (OC) emissions from this emissions units shall not exceed 19.94 lbs OC/hr, excluding cleanup solvent usage. See sections A.2.a and A.2.b below.
	OAC rule 3745-21-07(G)(2)	The requirements of this rule also include compliance with the requirements of OAC 3745-21-07(G)(2) and rule 3745-31-05(C) See section A.2.a, below.
	OAC rule 3745-31-05(C) (synthetic minor to avoid Title V and MACT)	The OC emissions from all materials employed in emissions units shall not exceed 39 tons per rolling, 12- month period, including cleanup solvent usage.

ORC 3704.03(T)(4)

See sections A.2.c and B.1 below.

OAC rule 3745-17-07(A)(1)(b)

See section A.2.d below

OAC rule 3745-17-11(A)(2)

See sections A.2.e and B.2 below.

Particulate emissions (PE) shall not exceed 0.551 lbs/hr.

2. Additional Terms and Conditions

- (a) To avoid the emission limitations/control requirements contained in OAC rule 3745-21-07(G)(2), no photochemically reactive materials (i.e., as raw materials or cleanup materials) shall be employed in this emissions unit.

Note: The definition of "photochemically reactive material" is based upon OAC rule 3745-21-01(C)(5). The 19.94 lbs OC/hr emission limitation was established to reflect the potential to emit of this emission unit. The hourly emission limitation is based upon a "worse case" adhesive formulation derived from calculations in the applicant's air permit to install application. Therefore, compliance with the hourly and annual emission limitation is assumed as long as the permittee does not exceed the operational restrictions in this permit.

Facility-wide emissions shall not exceed 49.35 tons of OC, 9.9 tons of individual hazardous air pollutant (HAP) emissions and 24.9 tons of total combined HAP emissions per rolling, 12-month period.

Facility-wide emissions shall be determined from a summation of monthly emissions from R003 and R004 and all emissions units that are exempt or permit by rule (OAC rule 3745-31-03), and de minimis (OAC rule 3745-15-05).

Therefore, the provisions for Title V permitting and the National Emission Standards for Hazardous Air Pollutants (NESHAP) for Surface Coating of Plastic Parts and Products (40 CFR part 63, subpart PPPP) will not be applicable.

1A listing of the HAPs can be found in Section 112(b) of the Clean Air Act or can be obtained by contacting your Ohio EPA field office or local air agency contact.

The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to the particulate emissions (PE) from this air contaminant source since the potential to emit for PE is less than 10 tons per year.

Visible PE from any stack serving this emissions unit shall not exceed 20 % opacity, as a six-minute average, except as specified by rule.

B. Operational Restrictions

1. The operational restrictions on the facility-wide potential to emit for individual HAP, total combined HAPs and OC that establish federally enforceable limitations for emissions unit R004 are as follows:
 - a. the permittee shall not employ more than 14,000 gallons of adhesive in this spray booth, based on a rolling, 12-month summation;
 - b. the OC content of adhesives employed in this booth shall not exceed 5.54 lbs OC/gallon and 1.07 lbs hexane/gallon; and
 - c. the permittee shall not employ more than 48 gallons of xylene solvent in this booth, based on a rolling, 12-month summation.
2. The permittee shall maintain daily records that document any time periods when the dry filtration system was not in service when the emissions unit was in operation.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information for booth 4 (R004) for each month during which adhesives are applied:
 - a. the company identification for each coating and cleanup material employed and whether or not the material is a photochemically reactive material;
 - b. the number of gallons of each coating and cleanup material employed in the booth;
 - c. the OC and HAP content of each coating and cleanup material, in pounds per gallon;
 - d. the total OC emission rate for all coatings and cleanup material, in pounds;
 - e. the total HAP emission rate for all coatings and cleanup material, in pounds;
 - f. the rolling, 12-month summation of adhesive usages, in gallons; and
 - g. the rolling, 12-month summation of OC emissions (i.e., the OC emissions from the current month added to the summation of the OC emissions from the previous 11 months).

[Note: The coating information must be for the coatings as employed, including any thinning solvents added at the emissions unit.]
2. The permittee shall collect and record the following information during each month for the purpose of determining annual OC and HAP emissions from emissions units R003, R004 and exempt and de minimus emissions unit:
 - a. the monthly OC and HAP emission rate for all coatings and cleanup materials, in pounds from each of the above emissions units;
 - b. the rolling, 12-month summation of OC emissions (i.e., the OC emissions from the current month added to the summation of the OC emissions from the previous 11 months) for all of the above emissions units;

- c. the calculated individual HAP emission for the current month, in pounds or tons, for each of the above emissions units;
 - d. the calculated total HAP emissions for the current month, in pounds or tons, for each the above emissions units;
 - e. the rolling 12-month summation of individual HAP emissions (i.e., the individual HAP emissions from the current month added to the summation of the individual HAP emissions from the previous 11 months) for all the above emissions units; and
 - f. the rolling 12-month summation of total combined HAP emissions (i.e., the total combined HAP emissions from the current month added to the summation of the total combined HAP emissions from the previous 11 months) for all of the above emissions units.
3. The permit to install for emissions units R003 and R004 was evaluated based on the actual materials and the design parameters of the emissions unit's exhaust system, as specified by the permittee in the permit to install application. The Ohio EPA's "Review of New Sources of Air Toxic Emissions" policy ("Air Toxic Policy") was applied to this emissions unit for each toxic pollutant, using data from the permit to install application, and modeling was performed for the toxic pollutant(s) emitted at over a ton per year using the SCREEN 3.0 model or other Ohio EPA approved model. The predicted 1-hour maximum ground-level concentration result(s) from the use of the SCREEN 3.0 (or other approved) model, was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC), calculated as required in Engineering Guide #70. The following summarizes the results of the modeling for the "worst case" pollutant(s):

Pollutant: MEK
 TLV (mg/m3): 590
 Maximum Hourly Emission Rate (lbs/hr): 4.9 lbs/hr
 Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 645
 MAGLC (ug/m3): 14,047

Pollutant: Hexane
 TLV (mg/m3): 180
 Maximum Hourly Emission Rate (lbs/hr): 3.8 lbs/hr
 Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 509
 MAGLC (ug/m3): .4,285

Pollutant: Toluene
 TLV (mg/m3): 188
 Maximum Hourly Emission Rate (lbs/hr): 3.8 lbs/hr
 Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 509
 MAGLC (ug/m3): .4,476

Pollutant: Methanol
 TLV (mg/m3): 260
 Maximum Hourly Emission Rate (lbs/hr): 1.5 lbs/hr
 Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 204
 MAGLC (ug/m3): .6,190

Physical changes to or changes in the method of operation of the emissions unit after its installation or modification could affect the parameters used to determine whether or not the "Air Toxic Policy" is satisfied. Consequently, prior to making a change that could impact such parameters, the permittee shall conduct an evaluation to determine that the "Air Toxic Policy" will still be satisfied. If, upon evaluation, the permittee determines that the "Air Toxic Policy" will not be satisfied, the permittee will not make the change. Changes that can affect the parameters used in applying the "Air Toxic Policy" include the following:

- a. changes in the composition of the materials used or the use of new materials, that would result in the emission of a compound or chemical with a lower Threshold Limit Value (TLV) than the lowest TLV previously modeled, as documented in the most current version of the American Conference of Governmental Industrial Hygienists' (ACGIH's) handbook entitled "TLVs and BEIs" ("Threshold Limit Values for Chemical Substances and Physical Agents, Biological Exposure Indices");
- b. changes in the composition of the materials, or use of new materials, that would result in an increase in emissions of any pollutant with a listed TLV that was proposed in the application and modeled; and
- c. physical changes to the emissions unit or its exhaust parameters (e.g., increased/ decreased exhaust flow, changes in stack height, changes in stack diameter, etc.).

If the permittee determines that the "Air Toxic Policy" will be satisfied for the above changes, the Ohio EPA will not consider the change(s) to be a "modification" under OAC rule 3745-31-01 solely due to the emissions of any type of toxic air contaminant not previously emitted, and a modification of the existing permit to install will not be required, even if the toxic air contaminant emissions are greater than the de minimis level in OAC rule 3745-15-05. If the change(s) meet(s) the definition of a "modification" under other provisions of the rule, then the permittee shall obtain a final permit to install prior to the change.

The permittee shall collect, record, and retain the following information when it conducts evaluations to determine that the changed emissions unit will still satisfy the "Air Toxic Policy":

- a. a description of the parameters changed (composition of materials, new pollutants emitted, change in stack/exhaust parameters, etc.);
- b. documentation of the evaluation and determination that the changed emissions unit still satisfies the "Air Toxic Policy"; and
- c. where computer modeling is performed, a copy of the resulting computer model runs that show the results of the application of the "Air Toxic Policy" for the change.

4. The permittee shall maintain daily records that document any time periods when the dry filtration system was not in service when the emissions unit was in operation.

D. Reporting Requirements

1. The permittee shall submit quarterly exceedance reports to the CDO which document any exceedance of the operational restriction set forth in terms A.2.c and B.1 for the previous three calendar months (January 1 through March 31, April 1 through June 30, July 1 through September 30, and October 1 through December 31).

The reports shall be submitted by April 15, July 15, October 15, and February 15 of each year and shall provide a summary of the record keeping required by terms C.1, C.2, and C.3 for each reported exceedance.

2. The permittee shall submit a quarterly deviation (excursion) report for all periods of time during which the emissions unit was operated while the dry filter system was not in operation, as specified in section A.2.b above, and any actions taken to return the to a compliant operation.

E. Testing Requirements

1. Compliance with the emission limitation shall be determined in accordance with the following methods:

Emissions Limitation

OC emissions shall not exceed 19.94 lbs/hr, excluding cleanup solvent usage

Applicable Compliance Method

The hourly emission rate was derived from the maximum adhesive application rate and adhesive solvent content as follows: 3.6 gal/hr * 5.54 lbs OC/gal = 19.94 lbs

The permittee shall not employ more than 14,600 gallons of adhesive in this spray booth based upon a rolling, 12-month summation of usage

Applicable Compliance Method:

Compliance shall be demonstrated by record keeping in section C.1.b, above.

Emissions Limitation:

The OC content of adhesives employed in this booth shall not exceed 5.54 lbs OC/gallon and 1.07 lbs hexane/gallon.

Applicable Compliance Method:

Compliance shall be demonstrated by record keeping in section C.1.c, above.

Emissions Limitation

The OC emissions from all materials employed in emissions units shall not exceed 10 tons per rolling, 12-month period.

Applicable Compliance Method

Compliance shall be demonstrated by record keeping in section C.1.f, above.

Emissions Limitation

Facility-wide emissions shall not exceed 49.35 tons of OC per year, based upon a rolling, 12-month summation of the monthly emissions.

Applicable Compliance Method

Compliance shall be demonstrated by record keeping in section C.2.b, above.

Emission Limitation

Facility-wide emissions shall not exceed 9.9 of an individual HAP and 24.9 tons total combined HAPs per year, based upon a rolling, 12-month summation of the monthly emissions.

Applicable Compliance Method

Compliance shall be demonstrated by record keeping in section C.2.e and C.2.f, above.

Emission Limitation:

Visible PE from any stack serving this emissions unit shall not exceed 20 % opacity, as a six-minute average, except as specified by rule.

Applicable Compliance Method:

If required, compliance with the above visible emission limitation shall be determined by visible emission evaluations performed in accordance with OAC rule 3745-17-03(B)(1) using the methods and procedures specified in USEPA Reference Method 9.

Emission Limitation:

PE shall not exceed 0.551 lb/hr.

Applicable Compliance Method:

To determine the worst case PE rate, the following equation shall be used:

$$E = \text{maximum coating solids usage rate, in pounds per hour,} \times (1-TE) \times (1-CE)$$

where E = PE rate (lbs/hr);

TE = fractional transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used (0.55); and

CE = fractional control efficiency of the control equipment (0.99).

When requested by the Ohio EPA, the permittee shall demonstrate compliance with the above emissions limitation pursuant to OAC rule 3745-17-03(B)(10).

F. Miscellaneous Requirements

1. None