

Facility ID: 0812100207 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: 0812100207 Emissions Unit ID: K003 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>
K003 - Large Clamp Paint Booth, Manual Spray Booth with infrared drying oven	OAC rule 3745-31-05(A)(3) PTI 08-04766	The volatile organic compound (VOC) emissions from this emissions unit shall not exceed 50.2 lbs/day excluding clean up.
	OAC rule 3745-35-07(B) (Synthetic minor to avoid Title V and MACT)	The organic compound (OC) emissions including clean up shall not exceed 11.2 tons per year (TPY). The OC emissions from emissions units K002, K003, K005, K006, and K007 shall not exceed 46.9 TPY based upon a rolling, 12-month summation.
	OAC rule 3745 -21-09(U)(1)(c)	The individual hazardous air pollutant (HAP) emissions from emissions units K002, K003, K005, K006, and K007 shall not exceed 9.9 TPY and combined HAP emissions shall not exceed 24.9 TPY based upon a rolling, 12-month summation.
	OAC rule 3745-114-01	The VOC content of the coatings applied in this emissions unit shall not exceed 3.5 lbs VOC/gallon excluding water and exempt solvents. See Terms C.5 - 8 and D.3.

2. **Additional Terms and Conditions**
 - (a) None

B. Operational Restrictions

1. The maximum coating and clean up material use excluding liquid wastes recovered for off-site disposal, in emissions units K002, K003, K005, K006, and K007 combined shall not exceed 46.9 TPY of OC, 9.9 TPY of any individual HAP and 24.9 TPY for any combination of HAPs, based on a 12-month rolling summation. The permittee has existing coating and clean up material usage records and therefore does not need to be limited in the first year on a monthly basis.
2. Solvent based coatings usage in this emissions unit shall not exceed 15 gallons per day.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information each day for this emissions unit:
 - a. The identification of each coating, as applied.
 - b. The volume, in gallons, of each coating material applied.
 - c. The VOC content of each coating excluding water and exempt solvents, as applied, in pounds of VOC per gallon.
 - d. The total VOC emissions from all coatings applied, in pounds per day for this emissions unit (the sum of b times c for each coating).

2. The permittee shall collect and record the following information each month for the purpose of determining annual OC emissions from this emissions unit.
 - a. The name and identification of coating and clean up material employed.
 - b. The volume, in gallons, of each coating and clean up material employed.
 - c. The OC content of each coating and clean up material employed, in pounds of OC per gallon.
 - d. The volume, in gallons, of clean up material recovered for disposal as liquid waste.
 - e. The total OC emissions from all coating and clean up materials, in pounds or tons per month, for this emission unit (the sum of $(b \times c) - (d \times c)$).
 - f. The sum of the monthly OC emissions rates calculated (in e) for each calendar year.
3. The permittee shall collect and record the following information each month for emissions units K002, K003, K005, K006, and K007:
 - a. The name and identification of each coating and clean up material employed.
 - b. The volume, in gallons, of each coating and clean up material employed.
 - c. The OC content of each coating and clean up material employed, in pounds of OC per gallon.
 - d. The volume, in gallons, of clean up material recovered for disposal as liquid waste.
 - e. The total OC emissions from all coating, thinner, adhesive and clean up materials, in pounds or tons per month, for this emission unit (the sum of $(b \times c) - (d \times c)$).
 - f. The rolling, 12-month summation of the monthly OC emissions from emissions units K002, K003, K005, K006, and K007 (the sum of the monthly emissions rates calculated (in e) for the previous 12 months for each emissions unit).
4. The permittee shall collect and record the following information each month for emissions units K002, K003, K005, K006, and K007:
 - a. The name and identification each coating clean up material employed in this emission unit.
 - b. The volume, in gallons, of each coating and cleanup material employed.
 - c. The individual HAP content of each coating and clean up material employed, in pounds of individual HAP per gallon.
 - d. The volume, in gallons, of clean up material that is disposed of as liquid waste.
 - e. The total individual HAP emissions from all coatings, thinners, and cleanup materials employed, in pounds per month, for this emission unit (the sum of $(b \times c) - (d \times c)$).
 - f. The rolling, 12-month summation of the monthly individual HAP emissions from emissions units K002, K003, K005, K006, and K007 (the sum of the monthly emissions rates calculated (in e) for the previous 12 months for each emissions unit).
 - g. The combined HAP content of each coating and clean up material employed, in pounds of combined HAP per gallon.
 - h. The combined HAP emissions from all coatings, thinners, and cleanup materials employed, in pounds per month, for this emission unit (the sum of $(b \times g) - (d \times g)$).
 - i. The rolling, 12-month summation of the monthly combined HAP emissions from emissions units K002, K003, K005, K006, and K007 (the sum of the monthly emissions rates calculated (in h) for the previous 12 months for each emissions unit).
5. The permit to install for this/these emissions unit(s) K003 was evaluated based on the actual materials and the design parameters of the emissions unit's(s) exhaust system, as specified by the permittee in the permit application. The "Toxic Air Contaminant Statute", ORC 3704.03(F), was applied to this/these emissions unit(s) for each toxic air contaminant listed in OAC rule 3745-114-01, using data from the permit application; and modeling was performed for each toxic air contaminant(s) emitted at over one ton per year using an air dispersion model such as SCREEN 3.0, AERMOD, or ISCST3, or other Ohio EPA approved model. The predicted 1-hour maximum ground-level concentration result(s) from the approved air dispersion model, was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC), calculated as described in the Ohio EPA guidance document entitled "Review of New Sources of Air Toxic Emissions, Option A", as follows:
 - a. the exposure limit, expressed as a time-weighted average concentration for a conventional 8-hour workday and a 40-hour workweek, for each toxic compound(s) emitted from the emissions unit(s), (as determined from the raw materials processed and/or coatings or other materials applied) has been documented from one of the following sources and in the following order of preference (TLV was and shall be used, if the chemical is listed):
 - i. threshold limit value (TLV) from the American Conference of Governmental Industrial Hygienists' (ACGIH) "Threshold Limit Values for Chemical Substances and Physical Agents Biological Exposure Indices"; or
 - ii. STEL (short term exposure limit) or the ceiling value from the American Conference of Governmental Industrial Hygienists' (ACGIH) "Threshold Limit Values for Chemical Substances and Physical Agents Biological Exposure Indices"; the STEL or ceiling value is multiplied by 0.737 to convert the 15-minute exposure limit to an equivalent 8-hour TLV.

- b. The TLV is divided by ten to adjust the standard from the working population to the general public (TLV/10).
- c. This standard is/was then adjusted to account for the duration of the exposure or the operating hours of the emissions unit(s), i.e., "X" hours per day and "Y" days per week, from that of 8 hours per day and 5 days per week. The resulting calculation was (and shall be) used to determine the Maximum Acceptable Ground-Level Concentration (MAGLC):
- $$TLV/10 \times 8/X \times 5/Y = 4 TLV/XY = MAGLC$$
- d. The following summarizes the results of dispersion modeling for the significant toxic contaminants (emitted at 1 or more tons/year) or "worst case" toxic contaminant(s):
- Toxic Contaminant: xylene.
 TLV (mg/m3): 434
 Maximum Hourly Emission Rate (lbs/hr): 1.26
 Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 159
 MAGLC (ug/m3): 10,388
- The permittee, has demonstrated that emissions of xylene, from emissions unit(s) K003, is calculated to be less than eighty per cent of the maximum acceptable ground level concentration (MAGLC); any new raw material or processing agent shall not be applied without evaluating each component toxic air contaminant in accordance with the "Toxic Air Contaminant Statute", ORC 3704.03(F).
6. Prior to making any physical changes to or changes in the method of operation of the emissions unit(s), that could impact the parameters or values that were used in the predicted 1-hour maximum ground-level concentration", the permittee shall re-model the change(s) to demonstrate that the MAGLC has not been exceeded. Changes that can affect the parameters/values used in determining the 1-hour maximum ground-level concentration include, but are not limited to, the following:
- changes in the composition of the materials used or the use of new materials, that would result in the emission of a new toxic air contaminant with a lower Threshold Limit Value (TLV) than the lowest TLV previously modeled;
 - changes in the composition of the materials, or use of new materials, that would result in an increase in emissions of any toxic air contaminant listed in OAC rule 3745-114-01, that was modeled from the initial (or last) application; and
 - physical changes to the emissions unit(s) or its/their exhaust parameters (e.g., increased/ decreased exhaust flow, changes in stack height, changes in stack diameter, etc.).
 If the permittee determines that the "Toxic Air Contaminant Statute" 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 a non-restrictive change to a parameter or process operation, where compliance with the "Toxic Air Contaminant Statute", ORC 3704.03(F), has been documented. If the change(s) meet(s) the definition of a "modification" or if a new toxic is emitted, or the modeled toxic(s) is/are expected to exceed the previous modeled level(s), then the permittee shall apply for and obtain a final permit-to-install prior to the change. The Director may consider any significant departure from the operations of the emissions unit, described in the permit-to-install application, as a modification that results in greater emissions than the emissions rate modeled to determine the ground level concentration; and may require the permittee to submit a permit-to-install application for the increased emissions.
7. The permittee shall collect, record, and retain the following information for each toxic evaluation conducted to determine compliance with the "Toxic Air Contaminant Statute", ORC 3704.03(F):
- a description of the parameters/values used in each compliance demonstration and the parameters or values changed for any re-evaluation of the toxic(s) modeled (the composition of materials, new toxic contaminants emitted, change in stack/exhaust parameters, etc.);
 - the Maximum Acceptable Ground-Level Concentration (MAGLC) for each significant toxic contaminant or worst-case contaminant, calculated in accordance with the "Toxic Air Contaminant Statute", ORC 3704.03(F);
 - a copy of the computer model run(s), that established the predicted 1-hour maximum ground-level concentration that demonstrated the emissions unit(s) to be in compliance with the "Toxic Air Contaminant Statute", ORC 3704.03(F), initially and for each change that requires re-evaluation of the toxic air contaminant emissions; and
 - the documentation of the initial evaluation of compliance with the "Toxic Air Contaminant Statute", ORC 3704.03(F), and documentation of any determination that was conducted to re-evaluate compliance due to a change made to the emissions unit(s) or the materials applied.
8. The permittee shall maintain a record of any change made to a parameter or value used in the dispersion model, used to demonstrate compliance with the "Toxic Air Contaminant Statute", ORC 3704.03(F), through the predicted 1-hour maximum ground-level concentration. The record shall include the date and reason(s) for the change and if the change would increase the ground-level concentration.
- D. Reporting Requirements**
1. The permittee shall submit quarterly deviation (excursion) reports that include an identification of:
 - All exceedances of the rolling 12-month 46.9 TPY of OC emissions limitation from emissions units K002, K003, K005, K006, and K007.
 - All exceedances of the rolling 12-month 9.9 TPY of individual HAP emissions limitation from emissions units K002, K003, K005, K006, and K007.
 - All exceedances of the rolling 12-month 24.9 TPY of combined HAP emissions limitation from emissions units

K002, K003, K005, K006, and K007.

The quarterly deviation (excursion) reports shall be submitted as specified in section A.2.b of the General Terms and Conditions.

2. The permittee shall submit annual reports to the Director (the appropriate Ohio EPA District Office or local air agency) that specify:
 - a. The total OC emissions, in tons, from all coatings and clean up materials employed in this emissions unit.
 - b. The rolling 12-month OC emissions for each month, in tons, from all coatings and clean up materials employed in emissions units K002, K003, K005, K006, K007.
 - c. The rolling 12-month individual HAP emissions for each month, in tons, for emissions units K002, K003, K005, K006, and K007.
 - d. The rolling 12-month combined HAP emissions for each month, in tons, for emissions units K002, K003, K005, K006, and K007.

These reports shall be submitted by April 15 of each year and shall cover the previous calendar year.

3. The permittee shall submit annual reports to the appropriate Ohio EPA District Office or local air agency, documenting any changes made to a parameter or value used in the dispersion model, that was used to demonstrate compliance with the "Toxic Air Contaminant Statute", ORC 3704.03(F), through the predicted 1-hour maximum ground-level concentration. If no changes to the emissions unit(s) or the exhaust stack have been made, then the report shall include a statement to this effect. This report shall be postmarked or delivered no later than January 31 following the end of each calendar year.

E. Testing Requirements

1. 1. Compliance with the emissions limitations in section A.1.1. of these terms and conditions shall be determined in accordance with the following methods:
 - a. Emission Limitation:
The OC emissions from this emissions unit shall not exceed 8 lbs/hour.

Applicable Compliance Method:
Compliance shall be based upon record keeping as specified in C.1 and shall be determined by recording the daily coating, thinner and mold release usage, in gallons, multiplied by its OC content, in pounds per gallon, divided by the hours of operation, for each day.
 - b. Emission Limitation:
The OC emissions from this emissions unit shall not exceed 40 lbs/day.

Applicable Compliance Method:
Compliance shall be based upon record keeping as specified in C.1 and shall be determined by recording the daily coating, thinner and mold release usage, in gallons, multiplied by its OC content, in pounds per gallon, for each day.
 - c. Emission Limitation:
The OC emissions from this emissions unit shall not exceed 7.3 TPY.

Applicable Compliance Method:
Compliance shall be based upon record keeping as specified in C.2 and shall be determined by summing the monthly usage, in gallons, of each coating and thinning solvent and mold release used in this emission unit multiplied by its OC content, in pounds per gallon, divided by 2000 pounds per ton, for each year.
 - d. Emission Limitation:
The OC emissions from emissions units P001, P004, P005, P006, P007, P008 and P009 shall not exceed 75.8 TPY based upon a rolling, 12-month summation of the monthly OC emissions.

Applicable Compliance Method:
Compliance shall be based upon record keeping as specified in C.2. and shall be determined by the sum for the previous 12 months of the usage, in gallons, of each mold release, coating and thinning solvent multiplied by its OC content, in pounds per gallon, divided by 2,000 lbs/ton.

F. Miscellaneous Requirements

1. None

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Facility ID: 0812100207 Emissions Unit ID: K007 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>
K007 - Single Double/Clamp Paint Booth, Manual Paint Spray Booth with Infrared Drying Oven	OAC rule 3745-31-05(A)(3) PTI 08-04766	The volatile organic compound (VOC) emissions from this emissions unit shall not exceed 50.2 lbs/day excluding clean up.
	OAC rule 3745-35-07(B) (Synthetic minor to avoid Title V and MACT)	The organic compound (OC) emissions including clean up shall not exceed 11.2 tons per year (TPY). The OC emissions from emissions units K002, K003, K005, K006, and K007 shall not exceed 46.9 TPY based upon a rolling, 12-month summation.
	OAC rule 3745 -21-09(U)(1)(c)	The individual hazardous air pollutant (HAP) emissions from emissions units K002, K003, K005, K006, and K007 shall not exceed 9.9 TPY and combined HAP emissions shall not exceed 24.9 TPY based upon a rolling, 12-month summation.
	OAC rule 3745-114-01	The VOC content of the coatings applied in this emissions unit shall not exceed 3.5 lbs VOC/gallon excluding water and exempt solvents. See Terms C.5 - 8 and D.3.

2. Additional Terms and Conditions

- (a) None

B. Operational Restrictions

- 1. The maximum coating and clean up material use excluding liquid wastes recovered for off-site disposal, in emissions units K002, K003, K005, K006, and K007 combined shall not exceed 46.9 TPY of OC, 9.9 TPY of any individual HAP and 24.9 TPY for any combination of HAPs, based on a 12-month rolling summation. The permittee has existing coating and clean up material usage records and therefore does not need to be limited in the first year on a monthly basis.
- 2. Solvent based coatings usage in this emissions unit shall not exceed 15 gallons per day.

C. Monitoring and/or Record Keeping Requirements

- 1. The permittee shall collect and record the following information each day for this emissions unit:
 - a. The identification of each coating, as applied.
 - b. The volume, in gallons, of each coating material applied.
 - c. The VOC content of each coating excluding water and exempt solvents, as applied, in pounds of VOC per gallon.
 - d. The total VOC emissions from all coatings applied, in pounds per day for this emissions unit (the sum of b times c for each coating).
- 2. The permittee shall collect and record the following information each month for the purpose of determining annual OC emissions from this emissions unit.
 - a. The name and identification of coating and clean up material employed.
 - b. The volume, in gallons, of each coating and clean up material employed.
 - c. The OC content of each coating and clean up material employed, in pounds of OC per gallon.
 - d. The volume, in gallons, of clean up material recovered for disposal as liquid waste.
 - e. The total OC emissions from all coating and clean up materials, in pounds or tons per month, for this emission unit (the sum of (b x c) - (d x c).
 - f. The sum of the monthly OC emissions rates calculated (in e) for each calendar year.
- 3. The permittee shall collect and record the following information each month for emissions units K002, K003, K005, K006, and K007:
 - a. The name and identification of each coating and clean up material employed.
 - b. The volume, in gallons, of each coating and clean up material employed.

- c. The OC content of each coating and clean up material employed, in pounds of OC per gallon.
- d. The volume, in gallons, of clean up material recovered for disposal as liquid waste.
- e. The total OC emissions from all coating, thinner, adhesive and clean up materials, in pounds or tons per month, for this emission unit (the sum of (b x c) - (d x c)).
- f. The rolling, 12-month summation of the monthly OC emissions from emissions units K002, K003, K005, K006, and K007 (the sum of the monthly emissions rates calculated (in e) for the previous 12 months for each emissions unit).
4. The permittee shall collect and record the following information each month for emissions units K002, K003, K005, K006, and K007:
- a. The name and identification each coating clean up material employed in this emission unit.
- b. The volume, in gallons, of each coating and cleanup material employed.
- c. The individual HAP content of each coating and clean up material employed, in pounds of individual HAP per gallon.
- d. The volume, in gallons, of clean up material that is disposed of as liquid waste.
- e. The total individual HAP emissions from all coatings, thinners, and cleanup materials employed, in pounds per month, for this emission unit (the sum of (b x c) - (d x c)).
- f. The rolling, 12-month summation of the monthly individual HAP emissions from emissions units K002, K003, K005, K006, and K007 (the sum of the monthly emissions rates calculated (in e) for the previous 12 months for each emissions unit).
- g. The combined HAP content of each coating and clean up material employed, in pounds of combined HAP per gallon.
- h. The combined HAP emissions from all coatings, thinners, and cleanup materials employed, in pounds per month, for this emission unit (the sum of (b x g) - (d x g)).
- i. The rolling, 12-month summation of the monthly combined HAP emissions from emissions units K002, K003, K005, K006, and K007 (the sum of the monthly emissions rates calculated (in h) for the previous 12 months for each emissions unit).
5. The permit to install for this/these emissions unit(s) K007 was evaluated based on the actual materials and the design parameters of the emissions unit's(s) exhaust system, as specified by the permittee in the permit application. The "Toxic Air Contaminant Statute", ORC 3704.03(F), was applied to this/these emissions unit(s) for each toxic air contaminant listed in OAC rule 3745-114-01, using data from the permit application; and modeling was performed for each toxic air contaminant(s) emitted at over one ton per year using an air dispersion model such as SCREEN 3.0, AERMOD, or ISCST3, or other Ohio EPA approved model. The predicted 1-hour maximum ground-level concentration result(s) from the approved air dispersion model, was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC), calculated as described in the Ohio EPA guidance document entitled "Review of New Sources of Air Toxic Emissions, Option A", as follows:
- a. the exposure limit, expressed as a time-weighted average concentration for a conventional 8-hour workday and a 40-hour workweek, for each toxic compound(s) emitted from the emissions unit(s), (as determined from the raw materials processed and/or coatings or other materials applied) has been documented from one of the following sources and in the following order of preference (TLV was and shall be used, if the chemical is listed):
- i. threshold limit value (TLV) from the American Conference of Governmental Industrial Hygienists' (ACGIH) "Threshold Limit Values for Chemical Substances and Physical Agents Biological Exposure Indices"; or
- ii. STEL (short term exposure limit) or the ceiling value from the American Conference of Governmental Industrial Hygienists' (ACGIH) "Threshold Limit Values for Chemical Substances and Physical Agents Biological Exposure Indices"; the STEL or ceiling value is multiplied by 0.737 to convert the 15-minute exposure limit to an equivalent 8-hour TLV.
- b. The TLV is divided by ten to adjust the standard from the working population to the general public (TLV/10).
- c. This standard is/was then adjusted to account for the duration of the exposure or the operating hours of the emissions unit(s), i.e., "X" hours per day and "Y" days per week, from that of 8 hours per day and 5 days per week. The resulting calculation was (and shall be) used to determine the Maximum Acceptable Ground-Level Concentration (MAGLC):
- $$TLV/10 \times 8/X \times 5/Y = 4 TLV/XY = MAGLC$$
- d. The following summarizes the results of dispersion modeling for the significant toxic contaminants (emitted at 1 or more tons/year) or "worst case" toxic contaminant(s):
- Toxic Contaminant: xylene.
 TLV (mg/m3): 434
 Maximum Hourly Emission Rate (lbs/hr): 1.26
 Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 159
 MAGLC (ug/m3): 10,388
- The permittee, has demonstrated that emissions of xylene, from emissions unit(s) K007, is calculated to be less than eighty per cent of the maximum acceptable ground level concentration (MAGLC); any new raw material or processing agent shall not be applied without evaluating each component toxic air contaminant in accordance with the "Toxic Air Contaminant Statute", ORC 3704.03(F).

6. Prior to making any physical changes to or changes in the method of operation of the emissions unit(s), that could impact the parameters or values that were used in the predicted 1-hour maximum ground-level concentration", the permittee shall re-model the change(s) to demonstrate that the MAGLC has not been exceeded. Changes that can affect the parameters/values used in determining the 1-hour maximum ground-level concentration include, but are not limited to, 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 new toxic air contaminant with a lower Threshold Limit Value (TLV) than the lowest TLV previously modeled;
 - b. changes in the composition of the materials, or use of new materials, that would result in an increase in emissions of any toxic air contaminant listed in OAC rule 3745-114-01, that was modeled from the initial (or last) application; and
 - c. physical changes to the emissions unit(s) or its/their exhaust parameters (e.g., increased/ decreased exhaust flow, changes in stack height, changes in stack diameter, etc.).
If the permittee determines that the "Toxic Air Contaminant Statute" 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 a non-restrictive change to a parameter or process operation, where compliance with the "Toxic Air Contaminant Statute", ORC 3704.03(F), has been documented. If the change(s) meet(s) the definition of a "modification" or if a new toxic is emitted, or the modeled toxic(s) is/are expected to exceed the previous modeled level(s), then the permittee shall apply for and obtain a final permit-to-install prior to the change. The Director may consider any significant departure from the operations of the emissions unit, described in the permit-to-install application, as a modification that results in greater emissions than the emissions rate modeled to determine the ground level concentration; and may require the permittee to submit a permit-to-install application for the increased emissions.
 7. The permittee shall collect, record, and retain the following information for each toxic evaluation conducted to determine compliance with the "Toxic Air Contaminant Statute", ORC 3704.03(F):
 - a. a description of the parameters/values used in each compliance demonstration and the parameters or values changed for any re-evaluation of the toxic(s) modeled (the composition of materials, new toxic contaminants emitted, change in stack/exhaust parameters, etc.);
 - b. the Maximum Acceptable Ground-Level Concentration (MAGLC) for each significant toxic contaminant or worst-case contaminant, calculated in accordance with the "Toxic Air Contaminant Statute", ORC 3704.03(F);
 - c. a copy of the computer model run(s), that established the predicted 1-hour maximum ground-level concentration that demonstrated the emissions unit(s) to be in compliance with the "Toxic Air Contaminant Statute", ORC 3704.03(F), initially and for each change that requires re-evaluation of the toxic air contaminant emissions; and
 - d. the documentation of the initial evaluation of compliance with the "Toxic Air Contaminant Statute", ORC 3704.03(F), and documentation of any determination that was conducted to re-evaluate compliance due to a change made to the emissions unit(s) or the materials applied.
 8. The permittee shall maintain a record of any change made to a parameter or value used in the dispersion model, used to demonstrate compliance with the "Toxic Air Contaminant Statute", ORC 3704.03(F), through the predicted 1-hour maximum ground-level concentration. The record shall include the date and reason(s) for the change and if the change would increase the ground-level concentration.
- D. Reporting Requirements**
1. 1. The permittee shall submit quarterly deviation (excursion) reports that include an identification of:
 - a. All exceedances of the rolling 12-month 46.9 TPY of OC emissions limitation from emissions units K002, K003, K005, K006, and K007.
 - b. All exceedances of the rolling 12-month 9.9 TPY of individual HAP emissions limitation from emissions units K002, K003, K005, K006, and K007.
 - c. All exceedances of the rolling 12-month 24.9 TPY of combined HAP emissions limitation from emissions units K002, K003, K005, K006, and K007.

The quarterly deviation (excursion) reports shall be submitted as specified in section A.2.b of the General Terms and Conditions.
 2. The permittee shall submit annual reports to the Director (the appropriate Ohio EPA District Office or local air agency) that specify:
 - a. The total OC emissions, in tons, from all coatings and clean up materials employed in this emissions unit.
 - b. The rolling 12-month OC emissions for each month, in tons, from all coatings and clean up materials employed in emissions units K002, K003, K005, K006, K007.
 - c. The rolling 12-month individual HAP emissions for each month, in tons, for emissions units K002, K003, K005, K006, and K007.
 - d. The rolling 12-month combined HAP emissions for each month, in tons, for emissions units K002, K003, K005, K006, and K007.

These reports shall be submitted by April 15 of each year and shall cover the previous calendar year.
 3. The permittee shall submit annual reports to the appropriate Ohio EPA District Office or local air agency, documenting any changes made to a parameter or value used in the dispersion model, that was used to demonstrate compliance with the "Toxic Air Contaminant Statute", ORC 3704.03(F), through the predicted 1-

hour maximum ground-level concentration. If no changes to the emissions unit(s) or the exhaust stack have been made, then the report shall include a statement to this effect. This report shall be postmarked or delivered no later than January 31 following the end of each calendar year.

E. Testing Requirements

1. 1. Compliance with the emissions limitations in section A.1.1. of these terms and conditions shall be determined in accordance with the following methods:
 - a. Emission Limitation:
The OC emissions from this emissions unit shall not exceed 8 lbs/hour.

Applicable Compliance Method:
Compliance shall be based upon record keeping as specified in C.1 and shall be determined by recording the daily coating, thinner and mold release usage, in gallons, multiplied by its OC content, in pounds per gallon, divided by the hours of operation, for each day.
 - b. Emission Limitation:
The OC emissions from this emissions unit shall not exceed 40 lbs/day.

Applicable Compliance Method:
Compliance shall be based upon record keeping as specified in C.1 and shall be determined by recording the daily coating, thinner and mold release usage, in gallons, multiplied by its OC content, in pounds per gallon, for each day.
 - c. Emission Limitation:
The OC emissions from this emissions unit shall not exceed 7.3 TPY.

Applicable Compliance Method:
Compliance shall be based upon record keeping as specified in C.2 and shall be determined by summing the monthly usage, in gallons, of each coating and thinning solvent and mold release used in this emission unit multiplied by its OC content, in pounds per gallon, divided by 2000 pounds per ton, for each year.
 - d. Emission Limitation:
The OC emissions from emissions units P001, P004, P005, P006, P007, P008 and P009 shall not exceed 75.8 TPY based upon a rolling, 12-month summation of the monthly OC emissions.

Applicable Compliance Method:
Compliance shall be based upon record keeping as specified in C.2. and shall be determined by the sum for the previous 12 months of the usage, in gallons, of each mold release, coating and thinning solvent multiplied by its OC content, in pounds per gallon, divided by 2,000 lbs/ton.

F. Miscellaneous Requirements

1. None