

Facility ID: 1409000935 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.

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

Facility ID: 1409000935 Emissions Unit ID: P001 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>
marble casting operation	OAC rule 3745-31-05(A)(3) (PTI 14-05090)	OC emissions from coatings(resins) shall not exceed 8 lbs/hr OC, 40 lbs/day and 0.9 TPY OC. OC emissions from cleanup materials shall not exceed 23.8 lbs OC/day and 4.366 TPY. The requirements of this rule also include compliance with the requirements of OAC rule 3745-31-05(D) and OAC rule 3745-21-07(G)(2).
	OAC rule 3745-31-05(D) Synthetic Minor to Avoid MACT and Title V	See A.2. See Term A.2.
	OAC rule 3745-21-07(G)(2)	Same as limitations as outlined in OAC rule 3745-31-05(A)(3).

2. Additional Terms and Conditions

- (a) The total allowable emissions of Hazardous Air Pollutants (HAPs), as identified in Section 112 (b) of Title III of the Clean Air Act, from this facility shall not exceed 9.9 TPY for any single HAP and 24.9 TPY for any combination of HAPs. Compliance with the above limitations shall be based on a rolling, 12 month summation.

The permittee has existing records to demonstrate compliance upon issuance of the permit. Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by the resin usage limits, cleanup material usage limits, OC emission limitations and styrene content limitation.

B. Operational Restrictions

1. The amount of cleanup material used shall not exceed 3.6 gallons/day and 1320 gallons/year
2. The amount of resin used shall not exceed 850 lbs/ hr, 4200 lbs/day and 187,000 lbs/year.
3. The styrene content of the resin used shall not exceed 31% by weight.
4. All cleanup material employed in this emissions unit shall be nonphotochemically reactive.
5. The OC content of the cleanup materials used shall not exceed 6.6 pounds of OC per gallon.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information for each month for the entire facility:
 - a. The name and identification number of each Hazardous Air Pollutant (HAP) containing material employed;
 - b. The amount of each HAP containing material employed, in pounds;
 - c. The total individual HAP emissions for each HAP from all HAP containing materials employed, in pounds or

tons per month. (This shall be calculated by using the appropriate emissions factor for each individual HAP for each HAP containing material);

- d. The total combined HAP emissions from all HAP containing material employed, in pounds or tons per month. [This shall be calculated by adding the emissions from (c) for each individual HAP emitted];
- e. The updated rolling, 12-month summation for individual HAP emissions for each HAP, in pounds or tons. This shall include the information for the current month and the preceding eleven calendar months; and,
- f. The updated rolling, 12-month summation for total combined HAP emissions, in pounds or tons. This shall include the information for the current month and the preceding eleven calendar months.

A listing of the HAPs can be found in Section 112(b) of the Clean Air Act or can be obtained by contacting your Hamilton County Department of Environmental Services contact. This information does not have to be kept on a line-by-line basis.

2. The permittee shall collect and record the following information for each day for emissions unit P001.

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

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

D. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which include the following information for emissions unit P001:
 - a. An identification of each day during which the average hourly organic compound emissions from the resins 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 resins exceeded 40 pounds per day, and the actual organic compound emissions for each such day.
2. The permittee shall submit deviation (excursion) reports which identify all exceedances of the usage limitations in Part II, T&C B.1 and B.2.
3. The permittee shall submit deviation (excursion) reports which identify all exceedances of the styrene content and/or cleanup material OC content limitation in Part II, T&C B.3 and B.5.
4. The permittee shall submit annual reports which specify the total organic compound emissions from emissions unit P001 for the previous calendar year. These reports shall be submitted by January 30 of each year.
5. The permittee shall notify the Hamilton County Department of Environmental Services of any exceedance of the HAP emissions limitations set forth in Part II term A.2.a. The permittee shall submit annual reports which identify all exceedances of these limitations, as well as the corrective actions that were taken to achieve compliance. These reports shall be submitted by January 31 of each year. If no exceedances occurred during the reporting period then a report is required stating so.
6. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

E. Testing Requirements

1. Compliance with the OC emission limitations for emissions unit P001 shall be demonstrated by the following for resin use:
 - a. Emission Factor = Base Emission Factor (3%) X % styrene in neat resin.
 - b. #/hr OC emissions = # OC/day divided by the hours of operation
 - c. #/day OC emissions = # resin mixed and poured/day X emission factor
 - d. Tons/yr OC emissions = Tons resin mixed and poured/yr X emission factor

The base emission factor is from the AP-42, Table 4.12-2.

To document compliance with OAC rule 3745-21-07(G)(2) the permittee must maintain records

demonstrating that no more than 850 lbs per hour, 4200 lbs per day and 187,000 lbs per year of resin were employed.

2. Compliance with the OC emission limitations for emissions unit P001 shall be demonstrated by the following for cleanup material use:
 - a. #/day OC emissions = Gallons/day X OC emissions per gallon.
 - b. Tons/yr OC emissions = Gallons/year X OC emissions per gallon.
 3. Compliance with the usage restrictions in Part II, T&C B.1 and B.2 shall be demonstrated by the record keeping in Part II, T&C C.2.
 4. Compliance with the HAP emission limitations in Part II, T&C A.2.a shall be demonstrated by the record keeping in Part II, T&C C.1.
 5. Compliance with the styrene content limit and OC content for the cleanup materials in Part II, T&C B.3 and B.5 shall be demonstrated by the record keeping in Part II, T&C C.2.
- F. **Miscellaneous Requirements**
1. The following terms and conditions of this permit are federally enforceable: Part II sections A, B, C, D and E.