

Facility ID: 1431073851 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: 1431073851 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>
Plating department solvent wipe process and other cleaning operations (modification)	OAC rule 3745-31-05 (PTI 14-4663)	89.0 lbs OC/day 9.8 TPY OC
	OAC rule 3745-21-07(G)	See section A.2. Exempt. See section B.2.

2. **Additional Terms and Conditions**
 - (a) The maximum organic compound (OC) content of each cleanup solvent material, as employed, shall not exceed 8.9 pounds OC per gallon.

B. Operational Restrictions

1. The maximum amount of cleanup solvent employed in emissions unit P001 shall not exceed 10 gallons per day and 2200 gallons per year.
2. The use of photochemically reactive materials, as defined in OAC rule 3745-21-01(C)(5), is prohibited.
3. The permittee shall store any rags used in the solvent wiping process or other facility operations in closed containers with tight fitting covers when the rags are not in use.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall collect and record the following information each day for all operations in this emissions unit that use cleanup solvent:
 - a. The company identification for each cleanup solvent employed in this emissions unit and whether or not the solvent is a photochemically reactive material as identified in OAC rule 3745-21-01(C)(5).
 - b. The combined number of gallons of each cleanup solvent employed in all solvent wipe operations.
 - c. The OC content of each cleanup solvent employed, in pounds of OC per gallon of solvent.
 - d. The total OC emission rate for all cleanup solvents employed, in pounds per day (sum of b x c for each solvent).
 - e. The total number of gallons of all cleanup solvents employed.
2. The permittee shall collect and record the following information each year for this emissions unit:
 - a. The number of gallons of each cleanup solvent employed.
 - b. The OC content of each cleanup solvent employed, in pounds of OC per gallon of solvent.
 - c. The total OC emission rate for all cleanup solvents employed, in tons per year (sum of a x b / 2000 for each solvent).

D. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which include an identification of each day during which the usage limit identified in term B.1 was exceeded, and the actual usage for each such day.

2. The permittee shall submit deviation (excursion) reports which include an identification of each day during which the OC content limit identified in term A.2 was exceeded, and the actual OC content for each such cleanup solvent.
 3. The permittee shall submit annual reports which specify the total organic compound emissions and total usage of cleanup solvent material for this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year for the previous calendar year.
 4. The permittee shall submit deviation reports which identify each day during which any photochemically reactive material [as defined in OAC rule 3745-21-01(C)(5)] was employed in this emissions unit. This report shall identify the photochemically reactive material(s) employed, the cause for the use of the photochemically reactive material(s), and the total quantity of organic compounds emitted each such day.
- E. Testing Requirements**
1. Compliance with the emissions and usage limitations contained in this permit shall be determined by the record keeping and reporting required by the terms and conditions in sections C. and D. of this permit to operate.
 2. Formulation data or USEPA method 24 shall be used to determine the OC contents of the solvents employed.
- F. Miscellaneous Requirements**
1. This permit allows the use of the solvent materials specified by the permittee in the application for PTI number 14-4663. In conjunction with the best available technology requirements of OAC rule 3745-31-05, the daily organic compound emission limitation specified in this permit was established in accordance with the Ohio EPA's "Air Toxics Policy" and is based on the cleanup solvent formulation data and the design parameters of the emissions unit's exhaust system, as specified in the application. Compliance with the Ohio EPA's "Air Toxics Policy" was demonstrated for the toxic pollutant emitted from this emissions unit based on the Screen 3 model and a comparison of the predicted 1-hour maximum ground-level concentration to the MAGLC. The following summarizes the results of the modeling for the toxic pollutant:
Pollutant: Methylene Chloride

TLV (ug/m3): 174,000
Maximum Hourly Emission Rate (lbs/hr): 2.34
Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 1538.5
Maximum Acceptable Ground-Level Concentration (MAGLC) (ug/m3): 4143

Any of the following changes may be deemed a "modification" to the emissions unit and, as such, prior notification to and approval from the Hamilton County Department of Environmental Services are required, including the possible issuance of modifications to PTI number 14-4663 and this operating permit:
 - a. Any changes in the composition of the cleanup solvent, or the use of new cleanup solvent, that would result in the emission of a compound with a lower Threshold Limit Value (TLV), as indicated in the most recent version of the handbook entitled "American Conference of Governmental Industrial Hygienists (ACGIH)," than the lowest TLV value specified above.
 - b. Any change to the emissions unit or its exhaust parameters (e.g., increased emission rate, reduction of exhaust gas flow rate, or decreased stack height) that would result in an exceedance of any MAGLC specified above.
 - c. Any change to the emissions unit or its method of operation that would either require an increase in the emission limitation established by this permit or would otherwise be considered a "modification" as defined in OAC rule 3745-31-01.