

Facility ID: 0857043277 Issuance type: Final State Permit To Operate

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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: 0857043277 Emissions Unit ID: L001 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>
L001 - closed loop batch vapor degreaser	OAC rule 3745-31-05(A)(3) PTI 08-04767 40 CFR Part 63 Subpart T OAC rule 3745-21-09(O)(3)	The requirements of this rule also include compliance with the requirements of OAC rules 3745-21-09(O)(3) and 40 CFR Part 63 Subpart T. See section A.2.c. This emissions unit is exempt from the volatile organic compound limitations established in OAC rule 3745-21-09(O)(3) pursuant to OAC rule 3745-21-09(O)(6)(b).

2. Additional Terms and Conditions

- (a) The permittee shall ensure the solvent cleaning machine contains only clean liquid solvent on the first day of every month and is filled to the same fill-line. The monthly emissions shall be calculated using the records of all solvent additions, deletions, and recoveries from each month. The permittee shall maintain a log of solvent additions and deletions for the solvent cleaning machine. Emissions of halogenated HAP solvent shall not exceed the 3-month rolling average limit of 260.56 pounds per month, as determined in Table 6 of 63.464(a)(2).

B. Operational Restrictions

1. On the first operating day of every month the permittee shall ensure that the solvent cleaning machine system contains only clean liquid solvent. This includes, but is not limited to, fresh unused solvent, recycled solvent, and used solvent that has been cleaned of soils. A fill line must be indicated during the first month the measurements are made. The solvent level within the machine must be returned to the same fill line each month, immediately prior to calculating monthly emissions and/or the overall cleaning system's control efficiency. The solvent cleaning machine does not have to be emptied and filled with fresh unused solvent prior to the calculations.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain the following records either in electronic or written form for a period of five years:
 - a. the dates and amounts of solvent that are added to the solvent cleaning machine;
 - b. the solvent composition of wastes removed from the cleaning machines using the procedures described in the "Testing Requirements" section of this permit; and
 - c. calculation sheets showing how the monthly emissions and the rolling 3-month average emissions of halogenated solvent from the solvent cleaning machine were determined, as described in the "Testing Requirements" section of this permit, and the results of all calculations.

D. Reporting Requirements

1. The permittee shall submit an initial statement of compliance to the regulating agency no later than 150 days following startup of the unit. The statement shall include the following information:
 - a. a description of the method used to determine the cleaning capacity and the results; and
 - b. the results of the first 3-month average of HAP emission calculations.

2. The permittee shall submit an annual solvent emission report by February 1 of each year, which shall cover the previous calendar year and shall contain the following information:
 - a. the size and type of the solvent cleaning machine, including if it has a solvent/air interface area or is using cleaning capacity;
 - b. the average monthly solvent; and
 - c. the 3-month monthly rolling average HAP emission estimates, calculated each month using the method as described in the standard and/or the "Testing Requirements" section of this permit.

E. Testing Requirements

1. Compliance with the emission limitations in the terms and conditions of this permit shall be determined in accordance with the following methods:
Emission Limitation:
Emissions of halogenated HAP solvent shall not exceed 260.56 lbs/month as a 3-month rolling average

Applicable Compliance Method

Using the records of all solvent additions and deletions from the previous month, the permittee shall calculate emissions using the following equation:

$$E_n = S_{Ai} - LSR_i - SSR_i$$

where:

E_n = the total halogenated HAP solvent emissions from the solvent cleaning machine during the most recent monthly reporting period i (kilograms of solvent per month)

S_{Ai} = the total amount of halogenated HAP liquid solvent added to the solvent cleaning machine during the most recent monthly reporting period i (kilograms of solvent per month)

LSR_i = the total amount of halogenated HAP liquid solvent removed from the solvent cleaning machine during the most recent monthly reporting period i (kilograms of solvent per month)

* SSR_i = the total amount of halogenated HAP liquid solvent removed from the solvent cleaning machine in solid waste, during the most recent monthly reporting period i (kilograms of solvent per month)

* The permittee shall determine SSR_i from tests conducted using reference method 25d or from engineering calculations included in the compliance report.

The permittee shall determine the monthly rolling average, E_{An} , for the 3-month period ending with the most recent month's reporting period using the following equation:

$$E_{An} = (E_n) / 3, \text{ where the summation is from } j=1 \text{ to } j=3$$

where:

E_{An} = the average halogenated HAP solvent emissions over the preceding 3 monthly reporting periods (kilograms of solvent per month)

$j=1$ = the most recent monthly reporting period

$j=2$ = the monthly reporting period immediately prior to $j=1$

Emission Limitation:

Emissions of halogenated HAP solvent shall not exceed 1.56 tons/yr

Applicable Compliance Method:

Compliance shall be based upon the record keeping and using the formula as specified in section E.1.a and shall be the sum of the 12 monthly solvent emissions rates for the calendar year and dividing by 2000 lbs/ton.

F. Miscellaneous Requirements

1. None