

Facility ID: 1318067788 Issuance type: Title V Preliminary Proposed Permit

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

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Part II - Specific Facility Terms and Conditions

a State and Federally Enforceable Section

1. None

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b State Only Enforceable Section

1. None

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Part III - Terms and Conditions for Emissions Units

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Facility ID: 1318067788 Emissions Unit ID: L001 Issuance type: Title V Preliminary Proposed Permit

A. State and Federally Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

1. None.

I. 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>
Vapor degreaser employing methylene chloride	40.CFR.63 Subpart T - Alternative standards	150 kilograms methylene chloride per square meter of solvent/air interface per month as a 3-month rolling average.

Equivalent to or less stringent than MACT.

OAC 3745-21-09(O)

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

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II. Operational Restrictions

1. None

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III. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain a log of solvent additions and removals for the solvent cleaning machine.
2. The permittee shall demonstrate compliance with the 3-month rolling average monthly emissions of less than or equal to 150 kilograms/square meter/month on a monthly basis as follows:
 - a. The permittee shall, on the first operating day of every month, 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. The solvent cleaning machine does not have to be emptied and filled with fresh unused solvent prior to the calculations.
 - b. The permittee shall on the first operating day of the month comply with the following:
 - i. Using the records of solvent additions and removals for the previous monthly reporting period, determine methylene chloride emissions using the appropriate equation specified in the "Testing Requirements" section of this permit.
 - ii. Determine the total amount of methylene chloride removed from the solvent cleaning machine in solid waste during the most recent monthly reporting period (kilograms of solvent per month) as specified in the "Testing Requirements" section of this permit.
 - iii. Determine the monthly rolling average for the 3-month period ending with the most recent reporting period using the appropriate equation specified in the "Testing Requirements" section of this permit.
3. 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 methylene chloride that are added to the solvent cleaning machine.
- b. The methylene chloride composition of wastes removed from the cleaning machines using the procedures described in the "Testing Requirements" section of this permit.
- c. Calculation sheets showing how the monthly emissions and the rolling 3-month average emissions of methylene chloride from the solvent cleaning machine were determined, and the results of all calculations.

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IV. Reporting Requirements

1. The permittee shall submit an initial statement of compliance no later than 150 days after December 2, 1997. Each initial statement of compliance shall contain the following:
 - a. The name and address of the permittee of the solvent cleaning machine.
 - b. The address (i.e., physical location) of the solvent cleaning machine.
 - c. The results of the first 3-month average of methylene chloride emission calculations.
2. The permittee shall submit an annual solvent emission report by February 1 of each year. The report shall cover the previous calendar year. The report shall contain the following:
 - a. The solvent/air interface area and the type of the solvent cleaning machine.
 - b. The average monthly methylene chloride consumption for the solvent cleaning machine in kilograms per month.
 - c. The 3-month monthly rolling average methylene chloride emissions estimates calculated each month using the method as described in the "Testing Requirements" section of this permit.
3. The permittee shall submit an exceedance report on a semiannual basis. If the methylene chloride three-month rolling average of 150 kilograms per square meter of solvent/air interface per month is exceeded, the permittee shall begin to submit a quarterly report until such time that the permittee requests and receives approval of a less frequent reporting frequency from the Director (appropriate District Office or local air agency). The permittee may receive approval of less frequent reporting if the following conditions are met: (1) The emissions unit has demonstrated a full year of compliance without an exceedance, (2) the permittee continues to comply with all relevant recordkeeping and monitoring requirements specified in 40 CFR 63.1, General Provisions, and (3) the Director (appropriate District Office or local air agency) does not object to a reduced frequency of reporting for the affected emissions unit as provided in paragraph (e) (3) (iii) of subpart A, 40 CFR 63.1, General Provisions. Each exceedance report shall be delivered or post marked by the 30th day following the reporting period. Each exceedance report shall contain the following:
 - a. The reason and a description of the exceedance and action(s) taken to comply with 40 CFR 63.463 (e) and (f) including written or verbal orders for replacement parts, a description of the repairs made, and additional monitoring conducted to demonstrate that monitored parameters have returned to acceptable levels.
 - b. If no exceedance has occurred, a statement to that effect shall be submitted.

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V. Testing Requirements

1. The permittee shall on the first operating day of every month:
 - a. 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 soil. 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 as specified in paragraph (1) (b) below. The solvent cleaning machine does not have to be emptied and filled with fresh unused solvent prior to the calculations.
 - b. Comply with the following requirements:
 - i. Using the records of all solvent additions and removals for the three previous monthly reporting periods required in the "Monitoring and/or Record keeping Requirements" section of this permit, determine solvent emissions (E_i) using equation (1) below for cleaning machines with a solvent/air interface and equation (2) below for cleaning machines without a solvent/air interface:

$$E_i = (SA_i - LS_{Ri} - SS_{Ri}) / AREA_i \dots (1)$$

$E_n = S_{Ai} - LSR_i - SSRI \dots\dots\dots(2)$

Where:

E_i = the total methylene chloride emissions from the solvent cleaning machine during the most recent monthly reporting period i (kilograms of solvent per square meter of solvent/air interface area per month).

E_n = the methylene chloride emissions from the solvent cleaning machine during the most recent monthly reporting period i (kilograms of solvent per month).

S_{Ai} = the total methylene chloride 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 methylene chloride removed from the solvent cleaning machine during the most recent monthly reporting period i (kilograms of solvent per month).

$SSRI$ = the total amount of methylene chloride removed from the solvent cleaning machine in solid waste, obtained as described below in paragraph (b) of this section, during the most recent monthly reporting period i (kilograms of solvent per month).

ARE_{Ai} = the solvent /air interface area of the solvent cleaning machine (square meters).

- ii. Determine $SSRI$ from tests conducted using reference method 25d or from engineering calculations included in the compliance report.

- b. iii. Determine the monthly rolling average EA for the 3-month period ending with the most recent reporting period using equation (3) for cleaning machines with a solvent/air interface or equation (4) for cleaning machines without a solvent/air interface.

$E_{Ai} = (E_i)/3$, where the summation is from $j=1$ to $j= 3 \dots (3)$

$E_{An} = (E_n)/3$, where the summation is from $j=1$ to $j=3 \dots (4)$

Where:

E_{Ai} = the average methylene chloride emissions over the preceding 3 monthly reporting periods (kilograms of solvent per square meter of solvent/air interface area per month).

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

E_i = methylene chloride emissions for each month (j) for the most recent 3 monthly reporting periods (kilograms of solvent per square meter of solvent/air interface area per month).

E_n = methylene chloride emissions for each month (j) for the most recent 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 $j=1$.

$j=3$ = the monthly reporting period immediately prior to $j=2$.

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VI. **Miscellaneous Requirements**

- 1. The following terms and conditions shall supersede all the air pollution control requirements contained in the permit to install (application number 13-2422) issued for this emissions unit on January 29, 1992: A.I, A.II, A.III, A.IV and A.V.

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B. State Enforceable Section

The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

- 1. None.

I. **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>
Vapor degreaser employing methylene chloride	none	
2. Additional Terms and Conditions		
1. None		

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II. Operational Restrictions

None

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III. Monitoring and/or Record Keeping Requirements

None

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IV. Reporting Requirements

None

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V. Testing Requirements

None

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VI. Miscellaneous Requirements

None