

Facility ID: 1677011090 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: 1677011090 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>
existing in-line halogenated cold degreaser	OAC rule 3745-31-05 (PTI 16-1874)	9.67 lbs/day of organic compounds (OC) 1.77 tpy of OC
	OAC rule 3745-21-09(O)	equivalent to or less stringent than MACT
	40 CFR Part 63, Subpart T	See A.2.a below.

2. Additional Terms and Conditions

- (a) The cold cleaner shall employ a tightly fitting cover that shall be closed at all times except during parts entry and removal and a freeboard ratio of 0.75 or greater.

B. Operational Restrictions

1. The permittee shall comply with the following work and operational practice requirements:
 - a. All waste solvent shall be collected and stored in closed containers. The closed container may contain a device that allows pressure relief, but does not allow liquid solvent to drain from the container.
 - b. If a flexible hose or flushing device is used, flushing shall be performed only within the freeboard area of the solvent cleaning machine.
 - c. The permittee shall drain solvent cleaned parts for 15 seconds or until dripping has stopped, whichever is longer. Parts having cavities or blind holes shall be tipped or rotated while draining.
 - d. The permittee shall ensure that the solvent level does not exceed the fill line.
 - e. Spills during solvent transfer shall be wiped up immediately. The wipe rags shall be stored in covered containers meeting the requirements of section B.1.a above.
 - f. When an air- or pump-agitated solvent bath is used, the permittee shall ensure that the agitator is operated to produce a rolling motion of the solvent, but not observable splashing against tank walls or parts being cleaned.
 - g. The permittee shall ensure that, when the cover is open, the cold cleaning machine is not exposed to drafts greater than 40 meters per minute (132 feet per minute), as measured between 1 and 2 meters (3.3 and 6.6 feet) upwind and at the same elevation as the tank lip.
 - h. Sponges, fabric, wood, and paper products shall not be cleaned.

C. Monitoring and/or Record Keeping Requirements

1. The permittee shall maintain monthly records of the following information:
 - a. the types of solvents employed in the cold cleaner;
 - b. the amounts of each solvent employed, in gallons;
 - c. the amounts of each solvent shipped off site, in gallons minus solids;

- d. the OC content of each solvent, in pounds per gallon;
- e. the total emissions of organic compounds, in pounds;
- f. the total number of days of operation; and
- g. the average daily OC emission rate, in pounds per day, (i.e., (e)/(f)).

D. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which include an identification of each month which the average daily total organic compound emissions exceeded 9.67 lbs/day, and the actual average daily organic compound emissions for each such month.
2. The deviation reports shall be submitted in accordance with the requirements specified in Part I - General Term and Condition 3 of this permit.

E. Testing Requirements

1. The permittee shall determine the facility's potential to emit (PTE) from all solvent cleaning operations. A facility's total PTE is the sum of the HAP emissions from all solvent cleaning operations plus all HAP emissions from other emissions units from within the facility. The potential to emit shall be determined in accordance with the following procedures:
Determine the potential to emit for each individual solvent cleaning machine using the following equation:

$$PTE_i = H_i \times W_i \times SA_i$$

Where:

PTE_i = the potential to emit for the solvent cleaning machine i (kilograms solvent per year).

H_i = hours of operation for solvent cleaning machine i (hours per year).

[8760 hours per year, unless otherwise restricted by a federally enforceable requirement]

W_i = the working mode uncontrolled emission rate (kilograms per square meter per hour).

[1.95 kilograms per square meter per hour for batch vapor and cold cleaning machines and 1.12 kilograms per square meter per hour for in-line cleaning machines]

SA_i = solvent/air interface area of solvent cleaning machine i (square meters). 40 CFR 63.461 defines the solvent/air interface area for those machines that have a solvent /air interface. Cleaning machines that do not have a solvent area interface shall calculate a solvent/air interface area using the procedure in paragraph (b) below.

Cleaning machines that do not have a solvent/air interface shall calculate a solvent/air interface area using the following equation:

$$SAI = 2.2 * (Vol)^{0.6}$$

Where:

SAI = the solvent/air interface area (square meters).

Vol = the cleaning capacity of the solvent cleaning machine (cubic meters).

Sum the PTE_i for all solvent cleaning operations to obtain the total potential to emit for solvent cleaning operations at the facility.

2. Compliance with the emission limitations in section A.1 of these terms and conditions shall be determined in accordance with the following methods:
Emission Limitation:

9.67 lbs/day of OC

1.77 tpy of OC

Applicable Compliance Method:

The permittee shall demonstrate compliance with the above emissions limitations based upon the record keeping requirements of section C.1 of this permit.

F. Miscellaneous Requirements

1. None