

Facility ID: 1318007662 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: 1318007662 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> |
|---|--|--|
| Open Top Vapor Degreaser that utilizes a halogenated solvent and is equipped with a freeboard ratio equal to or greater than 1.0, employs a super -heated vapor and a working-mode cover. | OAC Rule 3745-21-09(O)(3) 40.CFR.63 Subpart T | Control Measures; see 2 Operational Restrictions, see B |

2. Additional Terms and Conditions

- (a) In accordance with OAC Rule 3745-21-09 (O)(3), the open top vapor degreaser shall employ a cover and safety switches described below:
 - i) A cover that can be opened and closed easily without disturbing the vapor zone.
 - ii) A condenser flow switch and thermostat or any other device which shuts off the sump heat if the condenser coolant is either not circulating or too warm.
 - iii) A spray safety switch which shuts off the spray pump if the vapor level drops below any fixed spray nozzle.
 - iv) A vapor level control thermostat or any other device which shuts off the sump heat when the vapor level rises too high.
 - v) A water flow switch, water pressure switch, or any other device which shuts off the sump heat if the water in a water -cooled condenser has no flow or no pressure, whichever is being monitored. A freeboard with a freeboard ratio greater than or equal to 0.75 shall be maintained, and if the open top vapor degreaser opening is greater than 10 square feet, the cover must be powered or equipped with mechanical features whereby it can be readily closed when the degreaser is not in use.

B. Operational Restrictions

1. The open top vapor degreaser shall be operated and maintained in accordance with the following practices to minimize solvent evaporation from the unit:
Keep the cover closed at all times except when the processing work loads through the degreaser.
Minimize solvent carry-out by:
 - (i) Racking parts so that solvent drains freely and is not trapped.
 - (ii) Moving parts in and out of the degreaser at less than 11 feet per minute.
 - (iii) Holding the parts in the vapor zone at least 30 seconds or until condensation ceases, whichever is longer.
 - (iv) Tipping out any pools of solvent on the cleaned parts before removal from the vapor zone.
 - (v) Allowing parts to dry within the degreaser for at least 15 seconds or until visually dry, whichever is longer.

Clean only materials that are neither porous nor absorbent.

Occupy no more than one-half of the degreaser's open-top area with a workload.

Always spray within the vapor level.

Repair solvent leaks immediately, or shut down the degreaser.

Store waste solvent only in covered containers.

Operate the cleaner such that water cannot be visually detected in solvent exiting the water separator.

Use no ventilation fans near the degreaser opening.

When the cover is open, do not expose the open top vapor degreaser to drafts greater than 131 feet per minute, as measured between 3 and 6 feet upwind and at the same elevation as the tank lip.

If a lip exhaust is used on the open top degreaser, do not use a ventilation rate that exceeds 65 cubic feet per minute per square foot of degreaser open area, unless a higher rate is necessary to meet Occupational Safety and Health Administration requirements.

Provide a permanent, conspicuous label, summarizing the operating procedures.

C. Monitoring and/or Record Keeping Requirements

1. In accordance with 40.CFR.63 Subpart T, the permittee shall maintain records of the following information (in either paper or electronic form) for the lifetime of the machine:
 - The owner/operator manual for the machine and control equipment. If the manuals are unavailable then written maintenance and operating procedures can be substituted.
 - Records documenting the installation date of the machine. If this date is known, the owner/operator can maintain a letter certifying that the machine was installed prior to, or on, November 29, 1993, or after November 29, 1993.
 - The determined dwell time (in seconds) as defined by 40 CFR 63.461 for each part or parts basket and time measurement calculations.
2. In accordance with 40.CFR.63 Subpart T, the permittee shall maintain records of the following (in either paper or electronic form) on the premises for 5 years:
 - Records of the solvent consumption (addition and depletion) for the machine.
 - Measured dwell time (in seconds) of the parts as defined in 63.461. In the determination of the dwell time, the parts must be held in the freeboard area above the vapor zone. The actual dwell time shall be measured on a monthly basis.
 - With a freeboard ratio as a control option, the owner/operator shall ensure and obtain certification from the manufacturer that the freeboard height is greater than or equal to the width of the interior freeboard. This information shall be kept as well as any information on modifications to the freeboard ratio.
 - The results of the temperature measurements (in degrees Fahrenheit (F)) for the freeboard refrigeration device and the super-heated vapor. For compliance, the air in freeboard must be no greater than 30 percent of the solvent boiling point in degrees Fahrenheit (F) and the air blanket temperature (in degrees Fahrenheit) must be measured above the vapor zone (at center) weekly while the machine is idling. For the superheated vapor, the solvent vapor (at the center of the superheated vapor zone) must be heated to at least 10 degrees Fahrenheit above the solvent's boiling point. The parts must stay in the superheated vapor zone for the manufacturer's minimum recommended dwell time. The temperature at the center of the superheated vapor zone must be measured weekly while the machine is idling.
 - The results of the inspections for the working-mode cover. For compliance requirements, the cover must be closed over the entire cleaning machine opening at all time except during parts entry and removal. The cover shall be inspected monthly to ensure that it opens and closes properly and is free from cracks, holes and other defects.

D. Reporting Requirements

1. In accordance with 40.CFR. 63, the owner/operator shall submit to the local air agency, an annual report by February 1 of the year following the one for which the reporting is being made. This report shall include the following:
 - A signed statement from the facility owner or his designee stating that, " All operators of solvent cleaning machines have received training on the proper operation of solvent cleaning machines and their control devices sufficient to pass the test required in 63.463 (d) (10)."
 - Solvent consumption (addition and deletion) for the reporting period for the emission unit.
2. An exceedance report shall be submitted to the local air agency semi-annually if there is no exceedance and quarterly if there is an exceedance.
3. If no exceedances have occurred or no repairs or adjustments have been made to the machine's equipment then such information shall be stated in the report.
4. If an exceedance occurs then the first quarterly report shall be submitted in the quarter during which the exceedance occurs. The report shall contain the reason for the exceedance and the corrective actions taken.
5. If no exceedances occur within the following year, the frequency of reporting can be reduced to semi-annually if the following requirements are met:
 - a. no exceedances have occurred for a year;
 - b. the owner/opertaor continues to comply with all of the monitoring and recordkeeping requirements for the machine; and
 - c. the local air agency agrees to a reduction to a 6-month reporting frequency.

E. Testing Requirements

1. As per 40.CFR.63 Subpart T

F. Miscellaneous Requirements

1. In accordance with 40.CFR.63 Subpart T, an initial statement of compliance must be submitted to the local air agency. This emissions unit must be in compliance by December 2, 1997 and the report must be filed no later than May 1, 1998. With a control combination from Table 1 of 63.463, the owner/operator must submit the report with the following information:
 - a. name and address;
 - b. the address (physical location) of the machine;
 - c. a list of the control equipment used to comply with the rule; and

- d. for each piece of control equipment that is required to be monitored, a list of the parameters that are to be monitored and the value of these parameters measured on or during the first month after the compliance date.
2. This permit in no way limits the applicability of other requirements of the Ohio Administrative Code to this source.