

Facility ID: 1677000188 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: 1677000188 Emissions Unit ID: D001 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>
Forenta model D 355 perchloroethylene dry to dry machine	OAC 3745-21-09 (AA) 40 CFR 63 Subpart M	Condenser outlet temperature to be 45 degrees F or less

2. Additional Terms and Conditions

- (b) The permittee shall comply with the following control equipment and operational requirements:

Any dryer which contains articles cleaned in perchloroethylene shall be equipped and operated in accordance with one of the following:

 - (i) any exhaust from the dryer shall be vented through a carbon adsorber which emits no more than 100 parts per million by volume or perchloroethylene at any time; or
 - (ii) the dryer shall be equipped with or vented to a refrigerated vapor condenser whereby there is no exhaust of perchloroethylene vapors to the ambient air throughout the drying cycle, except for when the dryer's door is momentarily opened during loading or unloading.

The waste from any distillation operation (solvent still) which has been used to distill perchloroethylene shall contain no more than 60 percent by weight VOC, as determined under paragraph (J) of OAC rule 3745-21-10.
 Any disposable filter cartridge which has been used to filter perchloroethylene shall be drained in the filter housing for at least 24 hours before being discarded.
 All equipment must be maintained so as to prevent the leaking of perchloroethylene liquid and prevent perceptible vapor leaks from gaskets, seals, ducts, and related equipment. Any equipment which is leaking perchloroethylene liquid or has a perceptible vapor leak shall not be operated until the leak is repaired.

B. Operational Restrictions

1. The permittee shall close the door of each dry cleaning machine immediately after transferring articles to or from the machine, and shall keep the door closed at all other times.
2. The permittee shall operate and maintain the dry cleaning system according to the manufacturer's specifications and recommendations.
3. The refrigerated condenser on this machine shall be operated in accordance with the following practices:
 - a. not to vent or release the air-perchloroethylene gas-vapor stream contained within the dry cleaning machine to the atmosphere while the dry cleaning machine drum is rotating; and
 - b. shall be operated with a diverter valve, which prevents air drawn into the dry cleaning machine when the door of the machine is open from passing through the refrigerated condenser.
4. The permittee shall store all perchloroethylene and wastes that contain perchloroethylene in solvent tanks or solvent containers with no perceptible leaks.
5. The permittee shall repair all perceptible leaks detected under the leak inspection program (above) within 24 hours. If repair parts must be ordered, either a written or verbal order for those parts shall be initiated within 2 working days of detecting such a leak. Such repair parts shall be installed within 5 working days after receipt.
6. If the condenser outlet temperature, as measured, does not meet the required specification, adjustments or repairs shall be made to the dry cleaning system or control device to meet that value. If repair parts must be ordered, either a written or verbal order for such parts shall be initiated within 2 working days of detecting such

a parameter value. Such repair parts shall be installed within 5 working days after receipt.

C. Monitoring and/or Record Keeping Requirements

1. Visual inspections of the following components shall be performed weekly to identify any equipment which is leaking perchloroethylene liquid or has any perceptible vapor leak:
 - hose connections, unions, couplings, and valves;
 - machine door gaskets and seatings;
 - filter head gasket and seating;
 - pumps;
 - base tanks and storage containers;
 - water separators;
 - filter sludge recovery;
 - distillation unit;
 - diverter valves;
 - saturated lint from lint basket; and
 - cartridge filters.
2. Pursuant to OAC rule 3745-21-09 (AA)(1)(e), any equipment found to be leaking perchloroethylene liquid or vapor shall not be operated until the leak is repaired.
3. The permittee shall maintain records of the following information:
 - a record of control equipment maintenance, such as replacement of the carbon in a carbon adsorption unit;
 - a record of the results of the visual leak inspections performed;
 - the results of all tests conducted to determine compliance with the limitations applicable to the emissions from the refrigerated vapor condenser or the carbon adsorber (as appropriate) and the waste from the distillation operation (solvent still); and
 - the annual usage of perchloroethylene, in gallons, and the annual amount of fabric dry cleaned with perchloroethylene, in pounds.

D. Reporting Requirements

1. The permittee shall submit annual reports, by January 31 of each year, to the Akron Regional Air Quality Management District, which contain the following information:
 - a summary of the results of all tests conducted to determine compliance with the limitations applicable to the emissions from the refrigerated vapor condenser or the carbon adsorber (as appropriate), the waste from a diatomaceous earth filter (if applicable), and the waste from the distillation operation (solvent still);
 - the annual usage of perchloroethylene, in gallons; and
 - the annual amount of fabric dry cleaned with perchloroethylene, in pounds.
2. The permittee shall comply with the process control requirements of 40 CFR, Part 63, Subpart M, upon start-up and shall submit a compliance report within 30 days of completion of construction or installation of the new dry cleaning machine(s). Compliance reports shall be submitted to:

Attention: MACT Coordinator
Ohio EPA, Division of Air Pollution Control
Air Quality Modeling & Planning Section
P.O.Box 1049
Columbus, OH 43216-1049

and

Rachael Rineheart, AE17J
USEPA, Region V
77 West Jackson Boulevard
Chicago, IL 60604

E. Testing Requirements

1. The permittee shall comply with the following monitoring test procedures:
 - The permittee shall measure the temperature of the air-perchloroethylene gas-vapor stream on the outlet side of the refrigerated condenser on a dry-to-dry machine, dryer, or reclaimer weekly with a temperature sensor to determine if it is equal to or less than 7.2 degrees C (45 degrees F). The temperature sensor shall be used according to the manufacturer's instructions and shall be designed to measure a temperature of 7.2 degrees C (45 degrees F) to an accuracy of + or - 1.1 degrees C (+ or - 2 degrees F).

F. Miscellaneous Requirements

1. The permittee shall retain, on site, a copy of the design specifications and the operating manuals for each dry cleaning system and each emission control device located at the dry cleaning facility.