Facility ID: 1409040575 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: 1409040575 Emissions Unit ID: D001 Issuance type: Final State Permit To Operate

Go to the top of this document

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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
Perchloroethylene Dry Cleaning Facility over 60,000 Lbs.	PTI 14-770	5.5 LBS.OC/DAY, 1.0 TPY OC.
-	40 CFR Part 63 Subpart M	Refrigerated Vapor Condenser
-	OAC 3745-21-09(AA)	Less stringent than PTI.

2. **Additional Terms and Conditions**

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

a. 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 of 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.

b. The waste from any diatomaceous earth filter which has been used to filter perchloroethylene shall contain no more than 25 percent by weight VOC, as determined under paragraph (J) of OAC rule 3745-21-10.

c. 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.

d. 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.

e. 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**

None

C. **Monitoring and/or Record Keeping Requirements**

1. A leak detection and repair program to inspect all dry cleaning equipment for leaks that are obvious from sight, smell, or touch shall be conducted. Pursuant to OAC rule 3745-21-09(AA)(1)(e), any equipment found to be leaking perchloroethylene liquid or vapor is not to be operated until the leak is repaired. Leaks are to be repaired within 24 hours after being found, or repair parts ordered within 2 working days after detecting a leak that needs repair parts. Repair parts shall be installed within 5 working days after they are received. In accordance with 40 CFR Part 63 Subpart M, compliance with this requirement shall be determined through visual inspection of the following components:

a. Hose Connections, Unions, Couplings, and Valves;

b. Machine Door Gaskets and Seatings;
c. Filter Head Gasket and Seating;
d. Pumps;
e. Base Tanks and Storage Containers;
f. Water Separators;
g. Filter Sludge Recovery;
h. Distillation Valves;
i. Diverter Valves;
j. Saturated Lint from Lint Basket;
k. Cartridge Filters and Housing;
l. Muck Cookers;
m. Stills; and
n. Exhaust Dampers.

2. This facility shall maintain the following data:

a. A record of control equipment maintenance;
b. A record of the action taken as a result of the visual leak inspections conducted in accordance with this permit;
c. The results of all tests of the solvent content of the waste from the solvent still; and
d. The annual use of perchloroethylene, in gallons, and the annual amount of fabric dry cleaned with perchloroethylene, in pounds.

3. This facility shall perform weekly monitoring tests to show that the temperature on the outlet side of the refrigerated condenser is less than or equal to 45 degrees Fahrenheit to an accuracy of (+) or (-) 2 degrees Fahrenheit. If this condition is not met, within 24 hours, the equipment shall be shut down until repaired. If the temperature is greater than 7.2 degrees C (45 degrees F), adjustments or repairs shall be made. If repair parts must be ordered, the order shall be initiated within two days of detection of the need for repairs and installed within five days of receipt.

D. **Reporting Requirements**

1. This facility shall comply with the applicable requirements in 40 CFR, Part 63, Subpart M upon start-up and shall submit a compliance report within 30 days of the new facility construction or new dry cleaning machine installation. Compliance reports shall be submitted to:

Irene Hart
Hamilton County Department of Environmental Services
1632 Central Parkway
Cincinnati, Ohio 45210
and
Rachael Rinehart, AE17J
USEPA, Region V
77 West Jackson Boulevard
Chicago, Illinois 50504-3590

2. The permittee shall submit annual reports which contain the following information:

a. A summary of the results of all tests conducted to determine compliance with the limitations applicable to the emissions from a refrigerated vapor condenser, the waste from a diatomaceous earth filter, and the waste from a distillation operation (solvent still).

b. The annual usage of perchloroethylene, in gallons.

c. The annual amount of fabric dry cleaned with perchloroethylene, in pounds.

The annual reports shall be submitted by January 31 of each year.

E. **Testing Requirements**

1. Compliance with the controlled emission limitation(s) in Section A.1. of these terms and conditions shall be determined in accordance with the following method(s):

a. Multiply the emission factor of 0.02 pound of OC per pound of clothes processed (from AP-42 sec. 4.1-1) by the pounds of clothes processed per day = lbs OC/day.

b. Multiply the emission factor of 0.02 pound of OC per pound of clothes processed (from AP-42 sec. 4.1-1) by the pounds of clothes processed per year and divide by 2000 = TPY OC.

F. **Miscellaneous Requirements**

None