

Facility ID: 0857731524 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.

[Go to Part II for Emissions Unit D001](#)  
[Go to Part II for Emissions Unit D002](#)

\*\*\*THIS IS NOT AN OFFICIAL VERSION OF THE PERMIT. SEE PAGE 1 FOR ADDITIONAL INFORMATION\*\*\*

Facility ID: 0857731524 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>
D001-petroleum solvent dry cleaning with 2 washers, 3 dryers, and 2 petroleum storage tanks	OAC rule 3745-31-05(A)(3) PTI 08-1964	See A.2.a and A.2.b below.  The requirements of this rule include compliance with the requirements of OAC rule 3745-21-09(BB).  exempt
	OAC rule 3745-21-09(BB)(3)	See B.1, B.2, and B.3 below
	OAC rule 3745-21-09(BB)(1)(c), (d), and (e)	

**2. Additional Terms and Conditions**

- (a) The permittee shall consume no more than 1250 gallons of petroleum solvent in this emissions unit per year.  
The volatile organic compound (VOC) emissions from this emissions unit shall not exceed 4.01 tons per year (TPY).

**B. Operational Restrictions**

1. The permittee shall cover any bucket or barrel which contains petroleum solvent or petroleum solvent-laden waste to minimize solvent evaporation.
2. The permittee shall visually inspect, on a weekly basis, any equipment associated with the use of petroleum solvent to identify any liquid leaks of petroleum solvent.
3. Any liquid or vapor leak of petroleum solvent shall be repaired within fifteen days after identifying the source of the leak, unless a necessary repair part is not on hand. If a repair part is not on hand, it shall be ordered within three working days after identifying the source of the leak. The leak shall be repaired within fifteen days following the delivery of the necessary repair part.

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

1. The permittee shall maintain records of annual petroleum solvent consumed by this emissions unit, these records shall be kept on site for a period of not less than 5 years and shall be made available upon request.
2. The permittee shall collect and record the results of any leak checks, including, at a minimum, the following information.
  - a. the date of inspection;
  - b. the findings (may indicate no leaks discovered or location, nature, and severity of each leak);
  - c. the leak determination method;
  - d. the corrective action taken (date each leak repaired and reasons for any repair interval in excess of fifteen calendar days); and
  - e. the inspector's name and signature.

**D. Reporting Requirements**

1. The permittee shall report any leaks in vapor or liquid lines that are not repaired within fifteen days after identification to the Director (the appropriate Ohio EPA district office or local air agency) within 30 days after the repair is completed.
2. The permittee shall notify the Director (RAPCA) in writing of any record from Section C.1. showing that the petroleum solvent usage limitation specified in Section A.2.a. was exceeded. The notification shall include a copy of such report and shall be sent to the Director (RAPCA) within 30 days after the exceedance.

**E. Testing Requirements**

1. Compliance with the mass emission limit listed in section A.1 of 4.01 tons of VOC is demonstrated by multiplying the annual petroleum solvent usage in gallons (required in Section C.1.) times the specific density of stoddard (0.00321 ton/gallon).

**F. Miscellaneous Requirements**

1. None

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Facility ID: 0857731524 Emissions Unit ID: D002 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>
small area dry-to-dry perchloroethylene dry cleaning machine controlled with a refrigerated condenser	OAC rule 3745-31-05(A)(3) PTI 08-04031	See A.2.a and A.2.b below.  The requirements of this rule include compliance with the requirements of OAC rule 3745-21-09(AA) and 40 CFR Part 63, Subpart A and M.  See A.2.c below.
	40 CFR Part 63, Subpart A and M and OAC rule 3745-21-09(AA)	

**2. Additional Terms and Conditions**

- (a) The permittee shall consume no more than 75 gallons of perchloroethylene per rolling, 12-month period. Perchloroethylene emissions shall not exceed 0.33 ton per rolling, 12-month period. This emissions unit 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. Operational Restrictions**

1. The waste from any diatomaceous earth filter which has been used to filter perchloroethylene shall contain no more than twenty-five per cent (25%) by weight perchloroethylene, as determined under paragraph (J) of OAC rule 3745-21-10.
2. The waste from any distillation operation (solvent still) which has been used to distill perchloroethylene shall contain no more than sixty per cent (60%) by weight perchloroethylene, as determined under paragraph (J) of OAC rule 3745-21-10.
3. Any disposable filter cartridge which has been used to filter perchloroethylene shall be drained in the filter housing for at least twenty-four (24) hours before being discarded.
4. 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.

5. The permittee shall store all perchloroethylene and wastes that contain perchloroethylene in solvent tanks or solvent containers with no perceptible leaks.
6. The door of each dry cleaning machine shall be closed at all times except to transfer articles to and from the machine.
7. The dry cleaning machine shall be operated and maintained according to manufacturers specifications and recommendations.
8. The outlet gas-vapor stream temperature of the condenser shall not be greater than 45 degrees Fahrenheit.
9. Perchloroethylene shall not be vented or released to the atmosphere while the dry cleaning machine drum is rotating.
10. The machine shall be operated with a diverter valve to prevent air drawn into the dry cleaning machine (when the machine door is open) from passing through the refrigerated condenser.

**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 two (2) working days after detecting a leak that needs repair parts. Repair parts shall be installed within five (5) working days after they are received. In accordance with 40 CFR Part 63 Subpart M, compliance with this requirement shall be determined through biweekly visual inspections of the following components while the dry cleaning system is operating:
  - a. hose and pipe connections, fittings, coupling and valves;
  - b. machine door gaskets and seating;
  - c. filter gaskets and seating;
  - d. pumps;
  - e. solvent tanks and containers;
  - f. water separators;
  - g. filter sludge recovery;
  - h. distillation valves;
  - i. diverter valves;
  - j. saturated lint from the lint basket;
  - k. cartridge filters and housings;
  - l. muck cookers;
  - m. stills; and
  - n. exhaust dampers.
2. The temperature of the air-perchloroethylene gas-vapor stream on the outlet side of the refrigerated condenser shall be measured weekly with a temperature sensor. The temperature sensor shall be used according to the manufacturer's instructions and shall be designed to measure a temperature of 45 degrees Fahrenheit to an accuracy of plus or minus 2 degrees Fahrenheit. If the outlet temperature is higher than 45 degrees Fahrenheit, adjustments or repairs shall be made to meet that value. Repair parts shall be ordered within two (2) working days after detecting a violation that needs repair parts. Repair parts shall be installed within five (5) working days after they are received.
3. The permittee shall maintain a log of the following records:
  - a. Receipts of all perchloroethylene purchases.
  - b. The volume of perchloroethylene purchased each month as recorded from perchloroethylene purchases. If no perchloroethylene is purchased during a given month, then the entry in to the log shall be zero gallons.
  - c. The calculation and result of the yearly perchloroethylene consumption (12-month rolling summation), to be determined on the first day of each month.
  - d. The results of all visual inspections, including the dates when the dry cleaning system components are inspected for leaks and the name or location of dry cleaning system components where leaks are detected.
  - e. The dates of repair and records of written or verbal orders for repair parts.
  - f. The results and dates of all equipment monitoring required by this permit.
  - g. Control equipment maintenance.
  - h. The results of all tests conducted to determine compliance with the perchloroethylene content limitations for the waste from a diatomaceous earth filter and the waste from a solvent still.
4. 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 factory shall be retained on site and shall be made available upon request.

**D. Reporting Requirements**

1. The permittee shall notify the Director (the appropriate Ohio EPA District Office or local air agency) and the U.S. EPA (Region 5) in writing of any record from section C.3.c showing that the perchloroethylene usage limitation specified in section A.1. was exceeded. The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office or local air agency) and the U.S. EPA (Region 5) within 45 days after the exceedance occurs.

**E. Testing Requirements**

1. Compliance with the mass emission limit listed in Section A.1. of 0.33 ton perchloroethylene per rolling, 12-month period is demonstrated by multiplying the rolling, 12-month consumption of perchloroethylene in gallons (required in Section C.3.c) times the percentage (0.66) of perchloroethylene assumed to be emitted to the atmosphere (including vent and fugitive emissions), times the specific density of perchloroethylene (0.00675 ton/gallon).

**F. Miscellaneous Requirements**

1. If the total yearly consumption of perchlorethylene exceeds 2100 gallons per year, this facility becomes a major source and must comply with the requirements for a major source per 40 CFR 63, Subpart M, within 180 days of the exceedance.