



State of Ohio Environmental Protection Agency

**RE: FINAL PERMIT TO INSTALL  
LUCAS COUNTY**

**CERTIFIED MAIL**

Street Address:

122 S. Front Street

Lazarus Gov. Center TELE: (614) 644-3020 FAX: (614) 644-2329

Mailing Address:

Lazarus Gov. Center  
P.O. Box 1049

**Application No: 04-01327**

**DATE:** 1/16/2003

Hughes Cleaners, Inc.  
Linda Bump  
424 Oak St  
Toledo, OH 43605

Enclosed please find an Ohio EPA Permit to Install which will allow you to install the described source(s) in a manner indicated in the permit. Because this permit contains several conditions and restrictions, I urge you to read it carefully.

The Ohio EPA is urging companies to investigate pollution prevention and energy conservation. Not only will this reduce pollution and energy consumption, but it can also save you money. If you would like to learn ways you can save money while protecting the environment, please contact our Office of Pollution Prevention at (614) 644-3469.

You are hereby notified that this action by the Director is final and may be appealed to the Ohio Environmental Review Appeals Commission pursuant to Chapter 3745.04 of the Ohio Revised Code. The appeal must be in writing and set forth the action complained of and the grounds upon which the appeal is based. It must be filed within thirty (30) days after the notice of the Directors action. A copy of the appeal must be served on the Director of the Ohio Environmental Protection Agency within three (3) days of filing with the Commission. An appeal may be filed with the Environmental Review Appeals Commission at the following address:

Environmental Review Appeals Commission  
236 East Town Street, Room 300  
Columbus, Ohio 43215

Very truly yours,

Michael W. Ahern, Supervisor  
Field Operations and Permit Section  
Division of Air Pollution Control

cc: USEPA

TDES



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**Permit To Install  
Terms and Conditions**

**Issue Date: 1/16/2003  
Effective Date: 1/16/2003**

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**FINAL PERMIT TO INSTALL 04-01327**

Application Number: 04-01327  
APS Premise Number: 0448011495  
Permit Fee: **\$100**  
Name of Facility: Hughes Cleaners, Inc.  
Person to Contact: Linda Bump  
Address: 424 Oak St  
Toledo, OH 43605

Location of proposed air contaminant source(s) [emissions unit(s)]:  
**424 Oak St.  
Toledo, Ohio**

Description of proposed emissions unit(s):  
**Dry-to-dry cleaning machine with refrigerated condenser.**

The above named entity is hereby granted a Permit to Install for the above described emissions unit(s) pursuant to Chapter 3745-31 of the Ohio Administrative Code. Issuance of this permit does not constitute expressed or implied approval or agreement that, if constructed or modified in accordance with the plans included in the application, the above described emissions unit(s) of environmental pollutants will operate in compliance with applicable State and Federal laws and regulations, and does not constitute expressed or implied assurance that if constructed or modified in accordance with those plans and specifications, the above described emissions unit(s) of pollutants will be granted the necessary permits to operate (air) or NPDES permits as applicable.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Director

## Part I - GENERAL TERMS AND CONDITIONS

### A. Permit to Install General Terms and Conditions

#### 1. Compliance Requirements

The emissions unit(s) identified in this Permit to Install shall remain in full compliance with all applicable State laws and regulations and the terms and conditions of this permit.

#### 2. Reporting Requirements Related to Monitoring and Record keeping Requirements

The permittee shall submit required reports in the following manner:

- a. Reports of any required monitoring and/or record keeping information shall be submitted to the appropriate Ohio EPA District Office or local air agency.
- b. Except as otherwise may be provided in the terms and conditions for a specific emissions unit, quarterly written reports of (a) any deviations (excursions) from emission limitations, operational restrictions, and control device operating parameter limitations that have been detected by the testing, monitoring, and record keeping requirements specified in this permit, (b) the probable cause of such deviations, and (c) any corrective actions or preventive measures which have been or will be taken, shall be submitted to the appropriate Ohio EPA District Office or local air agency. If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.)

#### 3. Records Retention Requirements

Each record of any monitoring data, testing data, and support information required pursuant to this permit shall be retained for a period of five years from the date the record was created. Support information shall include, but not be limited to, all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. Such records may be maintained in computerized form.

#### 4. Inspections and Information Requests

The Director of the Ohio EPA, or an authorized representative of the Director, may, subject to the safety requirements of the permittee and without undue delay, enter upon the premises of this source at any reasonable time for purposes of making inspections, conducting tests, examining records or reports pertaining to any emission of air contaminants, and determining compliance with any applicable State air pollution laws and regulations and the terms and conditions of this permit. The permittee shall furnish to the Director of the Ohio EPA, or an authorized

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representative of the Director, upon receipt of a written request and within a reasonable time, any information that may be requested to determine whether cause exists for modifying, reopening or revoking this permit or to determine compliance with this permit. Upon verbal or written request, the permittee shall also furnish to the Director of the Ohio EPA, or an authorized representative of the Director, copies of records required to be kept by this permit.

**5. Scheduled Maintenance/Malfunction Reporting**

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. The malfunction of any emissions units or any associated air pollution control system(s) shall be reported to the appropriate Ohio EPA District Office or local air agency in accordance with paragraph (B) of OAC rule 3745-15-06. Except as provided in that rule, any scheduled maintenance or malfunction necessitating the shutdown or bypassing of any air pollution control system(s) shall be accompanied by the shutdown of the emissions unit(s) that is (are) served by such control system(s).

**6. Permit Transfers**

Any transferee of this permit shall assume the responsibilities of the prior permit holder. The appropriate Ohio EPA District Office or local air agency must be notified in writing of any transfer of this permit.

**7. Air Pollution Nuisance**

The air contaminants emitted by the emissions units covered by this permit shall not cause a public nuisance, in violation of OAC rule 3745-15-07.

**8. Termination of Permit to Install**

This Permit to Install shall terminate within eighteen months of the effective date of the Permit to Install if the owner or operator has not undertaken a continuing program of installation or modification or has not entered into a binding contractual obligation to undertake and complete within a reasonable time a continuing program of installation or modification. This deadline may be extended by up to 12 months if application is made to the Director within a reasonable time before the termination date and the party shows good cause for any such extension.

**9. Construction of New Sources(s)**

The proposed emissions unit(s) shall be constructed in strict accordance with the plans and application submitted for this permit to the Director of the Ohio Environmental Protection Agency. There may be no deviation from the approved plans without the express, written approval of the Agency. Any deviations from the approved plans or the above conditions may lead to such sanctions and penalties as provided under Ohio law. Approval of these plans does not constitute an assurance that the proposed facilities will operate in compliance with all Ohio laws and regulations. Additional facilities shall be installed upon orders of the Ohio

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Environmental Protection Agency if the proposed sources cannot meet the requirements of this permit or cannot meet applicable standards.

If the construction of the proposed emissions unit(s) has already begun or has been completed prior to the date the Director of the Environmental Protection Agency approves the permit application and plans, the approval does not constitute expressed or implied assurance that the proposed facility has been constructed in accordance with the approved plans. The action of beginning and/or completing construction prior to obtaining the Director's approval constitutes a violation of OAC rule 3745-31-02. Furthermore, issuance of the Permit to Install does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. Approval of the plans in any case is not to be construed as an approval of the facility as constructed and/or completed. Moreover, issuance of the Permit to Install is not to be construed as a waiver of any rights that the Ohio Environmental Protection Agency (or other persons) may have against the applicant for starting construction prior to the effective date of the permit. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed facilities cannot meet the requirements of this permit or cannot meet applicable standards.

**10. Public Disclosure**

The facility is hereby notified that this permit, and all agency records concerning the operation of this permitted source, are subject to public disclosure in accordance with OAC rule 3745-49-03.

**11. Applicability**

This Permit to Install is applicable only to the emissions unit(s) identified in the Permit to Install. Separate application must be made to the Director for the installation or modification of any other emissions unit(s).

**12. Best Available Technology**

As specified in OAC Rule 3745-31-05, all new sources must employ Best Available Technology (BAT). Compliance with the terms and conditions of this permit will fulfill this requirement.

**13. Source Operation and Operating Permit Requirements After Completion of Construction**

This facility is permitted to operate each source described by this Permit to Install for a period of up to one year from the date the source commenced operation. This permission to operate is granted only if the facility complies with all requirements contained in this permit and all applicable air pollution laws, regulations, and policies. Pursuant to OAC Chapter 3745-35, the permittee shall submit a complete operating permit application within ninety (90) days after commencing operation of the emissions unit(s) covered by this permit.

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#### 14. Construction Compliance Certification

The applicant shall provide Ohio EPA with a written certification (see enclosed form) that the facility has been constructed in accordance with the Permit to Install application and the terms and conditions of the Permit to Install. The certification shall be provided to Ohio EPA upon completion of construction but prior to startup of the source.

#### 15. Fees

The permittee shall pay fees to the Director of the Ohio EPA in accordance with ORC section 3745.11 and OAC Chapter 3745-78. The permittee shall pay all applicable Permit to Install fees within 30 days after the issuance of this Permit to Install.

### B. Permit to Install Summary of Allowable Emissions

The following information summarizes the total allowable emissions, by pollutant, based on the individual allowable emissions of each air contaminant source identified in this permit.

**SUMMARY (for informational purposes only)**  
**TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS**

<u>Pollutant</u>	<u>Tons Per Year</u>
perchloroethylene	0.88

**PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)**

**A. Applicable Emissions Limitations and/or Control Requirements**

- 1. The specific operations(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 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- new dry-to-dry cleaning machine with a refrigerated condenser, American Suprema L-30, less than 60,000 pounds of clothing per year	OAC rule 3745-31-05	See A.2.a and A.2.b below
	OAC rule 3745-21-09(AA)	See A.2.c below
	40 CFR Part 63, Subparts A and M	See A.2.c below

**2. Additional Terms and Conditions**

- a. The permittee shall consume no more than 130 gallons of perchloroethylene per rolling, 12-month period.
  - i. Perchloroethylene emissions shall not exceed 0.88 ton per rolling, 12-month period.
  - ii. The exhaust from each dry cleaning machine shall be vented through a refrigerated condenser or an equivalent control device.

**B. Operational Restrictions**

- 1. 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 OAC rule 3745-21-10(J).

2. 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 OAC rule 3745-21-10(J).
3. 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.
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 manufacturer's specifications and recommendations.
8. The outlet gas-vapor stream temperature of the condenser shall be a maximum of 45 degrees Fahrenheit.
9. Perchloroethylene shall not be vented or released to the atmosphere while the dry cleaning drum is rotating.
10. The machine shall be operated with a diverter valve, if equipped, 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 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 biweekly visual

inspection of the following components while the dry cleaning system is operating:

- a. hose and pip connections, fittings, coupling and valves;
  - b. machine door gaskets and seatings;
  - c. filter gaskets and seatings;
  - 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 2 working days after detecting a violation that needs repair parts. Repair parts shall be installed within 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 (rolling, 12-month 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 and location of dry cleaning system components where leaks are detected;

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**Facility ID: 0448011495**

**Emissions Unit ID: D001**

- e. The dates of repair and records of written or verbal orders for repair parts;
  - f. The results and dates of all temperature monitoring required by this permit;
  - g. control equipment maintenance;
  - h. The amount of fabric dry cleaned with perchloroethylene, from January 1 to December 31 of each year, in pounds; and
  - i. The results of all tests conducted to determine compliance with the VOC 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 facility shall be retained on site and be made available upon request.

#### **D. Reporting Requirements**

2. If the yearly perchloroethylene solvent consumption limit specified in this permit is exceeded by the rolling annual perchloroethylene consumption calculation required by the record keeping requirements section of this permit, then the permittee shall submit a signed statement as required by 40 CFR 63.324(c).

#### **E. Testing Requirements**

1. Compliance with the mass emission limit listed in section A.2 of 0.88 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 perchloroethylene exceeds 139 gallons per year, this facility becomes a large area source and must comply with the requirements for a large area source per 40 CFR 63, Subpart M, within 180 days of the exceedance determination.
2. The terms and conditions of this PTI shall supersede the terms and conditions for the D001 established by PTI # 04-1077 issued 08/22/97, due to replacement of the old equipment.

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**Hughes**

**PTI A**

**Issued: 1/16/2003**

Emissions Unit ID: **D001**

**NEW SOURCE REVIEW FORM B**

PTI Number: 04-01327 Facility ID: 0448011495

FACILITY NAME Hughes Cleaners, Inc.

FACILITY DESCRIPTION dry-to-dry cleaning machine with refrigerated condenser CITY/TWP Toledo

SIC CODE 7216 SCC CODE 4-01-001-01 EMISSIONS UNIT ID D001

EMISSIONS UNIT DESCRIPTION dry-to-dry cleaning machine with refrigerated condenser

DATE INSTALLED February 2003

EMISSIONS: (Click on bubble help for Air Quality Descriptions)

Pollutants	Air Quality Description	Actual Emissions Rate		PTI Allowable	
		Short Term Rate	Tons Per Year	Short Term Rate	Tons Per Year
Particulate Matter	N/A	N/A	N/A	N/A	N/A
PM <sub>10</sub>	Unclassified	N/A	N/A	N/A	N/A
Sulfur Dioxide	Non-Attainment	N/A	N/A	N/A	N/A
Organic Compounds	Attainment	N/A	N/A	N/A	N/A
Nitrogen Oxides	Attainment	N/A	N/A	N/A	N/A
Carbon Monoxide	Attainment	N/A	N/A	N/A	N/A
Lead	Attainment	N/A	N/A	N/A	N/A
Other: Air Toxics	Unclassified	N/A	0.85	N/A	0.88

APPLICABLE FEDERAL RULES:

NSPS? NESHAP? **Subparts A and M** PSD? OFFSET POLICY?

WHAT IS THE BAT DETERMINATION, AND WHAT IS THE BASIS FOR THE DETERMINATION?

BAT is the use of refrigerated condenser on the machine and compliance with 40 CFR 63 subparts A and M

IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY? no

OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT? \$

**TOXIC AIR CONTAMINANTS**

Ohio EPA's air toxics policy applies to contaminants for which the American Conference of Governmental Industrial Hygienists (ACGIH) has a listed threshold limit value.

AIR TOXICS MODELING PERFORMED\*? \_\_\_\_\_ YES X NO

IDENTIFY THE AIR CONTAMINANTS: \_\_\_\_\_