

**CENTRAL OFFICE USE ONLY**

APS Premise No. 0640010104

Issuance Date: \_\_\_\_\_

PTI Application No. 06-5506

Effective Date: \_\_\_\_\_

Fee \$100.00

**PERMIT TO INSTALL WORKSHEET**

1. TYPE OF SOURCE: Check as applicable:

AIR - Major Source?  YES  NO - Was a New Source Review Data Sheet (for modeling) submitted to APC for this source?  Yes  No

NSPS  PSD  CEM  NESHAPS  Emission Offsets  
Category \_\_\_\_\_ Category M, A

WATER - Pertains to  Sewers  Waste Water Treatment  Industrial Facility  
 SOLID WASTE

HAZARDOUS WASTE DISPOSAL FACILITY - Is a HWFAB Permit required?  YES  NO

2. Check One:  APPROVAL  DENIAL

3. FACILITY NAME: Classic Cleaners and Laundry

4. APPLICANT/PERSON TO CONTACT: Robert J Elliott phone (740)286-1285

5. MAILING ADDRESS: (Street)400 East Huron Street  
(City)Jackson (State) OH (Zip) 45640

6. LOCATION OF PROPOSED SOURCE: Always complete b (city or township) and c (county).  
Specific

a. Street Address or Location Description 400 East Huron Street

b. City/Township Jackson

c. County/Counties Jackson

d. Sewer District, if applicable Jackson

7. DESCRIPTION OF PROPOSED SOURCE (Max. 120 Characters)

D	R	Y		C	L	E	A	N	E	R	,		O	N	E		3	5		L	B	/	H	R		M	A	X		D	R	Y		t	o		D	R	Y	
		M	A	C	H	I	N	E		W	I	T	H		R	E	F	R	I	G	E	R	A	T	E	D		C	O	N	D	E	N	S	E	R		a	n	d
		A	C	T	I	V	A	T	E	D		C	A	R	B	O	N		C	A	R	T	R	I	D	G	E		F	I	L	T	E	R						

8. DATE COMPLETE APPLICATION RECEIVED: 6/17/98

9. CONSTRUCTION STATUS: \_\_\_ Not Started \_\_\_ Partially Completed X Completed

10. DATE CONSTRUCTION TO BEGIN: \_\_\_\_\_

11. ESTIMATED COST OF WASTE TREATMENT FACILITY PROJECT: \_\_\_\_\_

NOTE: ATTACH INSTALLATION SCHEDULE TO THIS WORKSHEET FOR AIR POLLUTION SOURCES. \_\_\_\_\_

12. DO/LAA Engr. Review By: Steve Alspach Date 6/17/98 rev 7/27/98

13. Review Approved: \_\_\_\_\_ Date \_\_\_\_\_

14. D.O. Review as Required: \_\_\_\_\_ Date \_\_\_\_\_

15. Central Office Review: \_\_\_\_\_ Date \_\_\_\_\_

16. For any Combined Permits:

AIR REVIEW (DO/LAA) \_\_\_\_\_ Date \_\_\_\_\_

WASTE WATER REVIEW \_\_\_\_\_ Date \_\_\_\_\_

SOLID WASTE REVIEW \_\_\_\_\_ Date \_\_\_\_\_

HAZARDOUS WASTE REVIEW \_\_\_\_\_ Date \_\_\_\_\_

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FOR DENIALS ONLY

RULES IN VIOLATION: \_\_\_\_\_

SPECIFIC REASONS FOR DENIAL: \_\_\_\_\_

INDICATE BELOW TO WHOM COPIES ARE TO BE SENT

Applicant's Mailing Address	P E R M I T	R E P O R T	P L A N S	DATA SHEETS
<u>Robert J Elliott</u> PERSON TO CONTACT  <u>Classic Cleaners and Laundry</u> APPLICANT  <u>400 East Huron Street</u> STREET  Jackson                                  Ohio                                  45640 CITY    STATE    ZIP	X			
Copy to:	X			
Copy to:	X			
Copy to:	X			
Copy to:	X			
Local Air Agency _____	X			
District Office NEDO _____    NWDO _____    CDO _____    SEDO <u>X</u> SWDO _____	X			
Central Office DAPC <u>X</u> DWPC _____    DLPC _____    DHMM _____	X			

PTI NUMBER: 06- 5506

FACILITY NAME: Classic Cleaners and Laundry

         Preliminary

    X     Final

1. CONSTRUCTION STATUS (do not use with #2, 3A or 3B)

source name:

2. NSPS REQUIREMENTS

source #:

source description :

NSPS subpart:

3A. NESHAP REQUIREMENTS

source #:

source description :

NESHAP reg:

3B. RADIONUCLIDES NESHAP REQUIREMENTS:

source #:

source description:

4. PERFORMANCE TEST REQUIREMENTS:

C. (optional) source:

Pollutant(s):

D. (optional) Test shall include a determination of the uncontrolled mass rate of emissions.

5. MONITORING REQUIREMENTS:

type of monitor:

source:

6. PSD REQUIREMENTS:

7. APPENDIX S - EMISSION OFFSET INTERPRETIVE RULING:

8. RECORDS RETENTION AND AVAILABILITY:

X 9. REPORTING REQUIREMENTS:

X10. WASTE DISPOSAL:

X11. MAINTENANCE OF EQUIPMENT:

X12. MALFUNCTION/ABATEMENT:

X13. AIR POLLUTION NUISANCES PROHIBITED:

14. NINETY DAY OPERATING PERIOD:

15. GASOLINE DISPENSING FACILITIES:

16. DIESEL AND/OR KEROSENE DISPENSING FACILITIES:

17. GASOLINE DISPENSING OPERATIONS (SUBMERGED FILL ONLY)

annual limit of throughput (gallons):

18. MISC. STORAGE TANKS:

19. NSPS SUBPART Kb, 40 CFR 60.116b (a) AND (b)

source number(s):

tank size

max vapor pressure

In Addition:

A. 40 CFR 60.116b (a) and (c):

source number(s):

tank size

max vapor pressure

B. 40 CFR 60.116b (a) and (d):

source number(s):

tank size

max vapor pressure

C. other applicable rules \_\_\_\_\_:

source number(s):

tank size

max vapor pressure

20. BAT FOR OPEN TOP VAPOR DEGREASERS:

21. BAT FOR COLD CLEANERS:

22. BAT FOR CONVEYORIZED DEGREASERS:

23. NOTICE OF INTENT TO RELOCATE:

X 24. ADDITIONAL TERMS AND CONDITIONS:     X     AIR          DSHWM          WW

## AIR EMISSION SUMMARY

The air contaminant sources listed below comprise the Permit to Install for Classic Cleaners and Laundry located in Jackson County. The sources listed below shall not exceed the emission limits/control requirements contained in the table. This condition in no way limits the applicability of any other state or federal regulations. Additionally, this condition does not limit the applicability of additional special terms and conditions of this permit.

Ohio EPA Source Number	Source Identification / Description	BAT Determination	Applicable Federal and OAC Rules	Permit Allowable Mass Emissions and/or Control & Usage Requirements
D001	Existing Dry to Dry cleaning machine w/ Refrigerated Condenser	Compliance with the terms and conditions of this permit and Federal EPA MACT standard	OAC rule 3745-31-05 NESHAP (40 CFR part 63, Subparts A and M) OAC rule 3745-21-09(AA) OAC rule 3745-21-10(J)	This emissions unit is limited to less than 2,100 gallons consumption of perchloroethylene per 12 month rolling period. This emissions unit is limited to 9.36 tons per year perchloroethylene emissions.

### SUMMARY TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS

Pollutant	Tons/Year
Perchloroethylene	9.36

**ENGINEERING REVIEW FORM  
HYDROCARBON EMITTING SOURCE**

(other than fuel burning equipment/incinerator)

1. **Facility name:** Classic Cleaners and Laundry.
2. **Description of source:** One-Existing Dry to Dry Cleaner w/ Refrigerated Condenser
3. **Year installed:** April ,1989  
**Year modified:** NA
4. **Permit application number:** 0640010104, 06-5506
5. **Most recent permit action (complete below):**  
**Type of permit:** PTI 06-5506  
**Status:** pending  
**Effective date:** 1998  
**Expiration date:**
6. **Identify regulation(s) governing this source and briefly describe pertinent requirements and exemptions.**  
>3745-21-09(AA)---40 CFR part 63 Subpart A and M
7. **Describe current control equipment or control measures.**  
>Refrigerated condenser
8. **If source is on a compliance schedule, describe control strategy and indicate date of final compliance.**  
>N/A
9. **If source is governed by a mass emission rate or percent control requirement, provide estimate of actual mass emission rate or percent control and state basis for estimate.**  
>  
> N/A  
>
10. **Date of last emissions test:** N/A  
**Describe test and source operation during test:** N/A
11. **Date of last inspection:** N/A
12. **Describe any recorded violation and enforcement action or warning for the past three years. If enforcement action or warning was issued, describe results.**  
>  
> N/A  
>
13. **Is source under permit review?** YES  
**Type of permit:** PTI--PTO
14. **Comments:**  
>2,100 gallon/year X 13.5 lb perc/gallon X .66 (air emission\*) X .0005 ton/lb = 9.36 TPY  
>  
>  
>  
>  
>  
>  
>\* per Stacy C.
15. **Name of person completing form and date:** Steve Alspach 6/17/98

# NEW SOURCE REVIEW FORM B

**PTI NO.:** 06- 5506

**PREMISE NO:** 0640010104

**FACILITY NAME:** Classic Cleaners and Laundry

**COUNTY:** Jackson

**FACILITY DESCRIPTION:** Dry Cleaner

**CITY/TWP:** Jackson

**SIC CODE:** 7216

**SCC CODE:** 4-01-001-03

**SOURCE DESCRIPTION:** Existing Dry to Dry Cleaner w/ref.condsr. **START-UP DATE:** April 1989

**EMISSIONS:**

<i>Pollutants</i>	<i>Air Quality Designation</i>	<i>Actual Emissions</i>		<i>PTI Allowable Emissions</i>	
		<i>lb/hr. etc.</i>	<i>TPY</i>	<i>lb/hr. etc.</i>	<i>TPY</i>
<i>Particulate Matter</i>					
<i>PM<sub>10</sub></i>	Attainment				
<i>Sulfur Dioxide</i>					
<i>Organic Compounds</i>	Attainment	N/A	9.36 TPY	N/A	9.36 TPY
<i>Nitrogen Oxides</i>	Attainment				
<i>Carbon Monoxide</i>	Attainment				
<i>Lead</i>	Attainment				
<i>Other: Air Toxics (see below)</i>	Unclassified				

**APPLICABLE FEDERAL RULES:** \_\_\_\_\_ NSPS      X   NESHAP    \_\_\_\_\_ PSD    \_\_\_\_\_ OFFSET POLICY

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

Compliance with 3745-21-09(AA) and 40 CFR part 63 Subparts A and M  
(Refrigerated Condenser)

**OPTIONAL: WHAT IS THE CAPITAL COST OF CONTROL EQUIPMENT:**

**IS THIS SOURCE SUBJECT TO THE AIR TOXICS POLICY?** \_\_\_\_\_ Yes      X   No

(If yes, complete "Toxic Air Contaminants" section)

**NAME OF PERSON COMPLETING FORM AND DATE:** Steve Alspach 6/17/98

## 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.*

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

(IF YES, ATTACH MODELING RESULTS; IF NO, ATTACH NEW SOURCE CODING FORM)

**IDENTIFY AIR CONTAMINANTS:**

## **ADDITIONAL TERMS AND CONDITIONS**

### **Control Equipment Requirements**

1. The exhaust from each dry cleaning machine shall be vented through a refrigerated condenser.
2. 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.

### **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 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 60 percent by weight VOC, 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 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 owner or operator 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 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.

### **Monitoring and /or Recordkeeping 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 a weekly visual inspection 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 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 following records shall be kept on site in a log for a period of not less than 5 years, and shall be made available upon request:
- 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.
4. The following records shall be kept for a period of not less than three years:
- a. Control equipment maintenance.
  - b. The amount of fabric dry cleaned with perchloroethylene, from January 1 to December 31 of each year, in pounds.

5. 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 onsite and be made available upon request.

### **Reporting Requirements**

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

### **Miscellaneous Requirements**

1. If the total yearly consumption of perchloroethylene 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 determination.
2. The yearly perchloroethylene solvent consumption limit based on the yearly solvent consumption calculated according to 40 CFR 63.323(d) is 2100 gallons.