

CENTRAL OFFICE USE ONLY

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

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

APS Premise No. 0671010145

PTI Application No. 06-5499

Fee \$100.00

PERMIT TO INSTALL WORKSHEET

1. TYPE OF SOURCE: Check as applicable:

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

\_\_\_ NSPS \_\_\_ PSD \_\_\_ CEM X 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: X APPROVAL \_\_\_ DENIAL

3. FACILITY NAME: Zane Plaza Quick Clean

4. APPLICANT/PERSON TO CONTACT: Kevin Girton

5. MAILING ADDRESS: (Street) 1060 Bridge St 11 Zane Plaza.

(City) Chillicothe (State) OH (Zip) 45601

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

a. Street Address or Location Description 1060 Bridge St 11 Zane Plaza.

b. City/Township Chillicothe

c. County/Counties Ross

d. Sewer District, if applicable \_\_\_\_\_

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

O	N	E		D	R	Y		T	O		D	R	Y		C	L	E	A	N	I	N	G		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																								

8. DATE COMPLETE APPLICATION RECEIVED: 06-1-98

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

10. DATE CONSTRUCTION TO BEGIN: 2/86

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

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

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12. DO/LAA Engr. Review By: Susan H. Clay Date 06-30-98

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: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

PERMIT TO INSTALL DISTRIBUTION SHEET  
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>Kevin Girton</u> PERSON TO CONTACT				
<u>Zane Plaza Quick Clean</u> APPLICANT 1060 Bridge St  STREET	X			
<u>Chillicothe</u> OH                      45601 CITY                                      STATE                                      ZIP				
Copy to:	X			
Copy to:	X			
Copy to:	X			
Copy to:	X			
Local Air Agency _____	X			
District Office NEDO____ NWDO____ CDO____ SEDO_ X_ SWDO____	X			
Central Office DAPC_ X_ DWPC____ DLPC____ DHMM____	X			

PTI NUMBER: 06- 5499 FACILITY NAME: Zane Plaza Quick Clean Preliminary  
 X  Final



located in Ross 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	New dry to dry cleaning machine with a 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 140 gallons consumption of perchloroethylene per 12 month rolling period. This emissions unit is limited to 0.6 tons per year perchloroethylene emissions.

**SUMMARY**  
**TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS**

Pollutant	Tons/Year
Perchloroethylene	0.6

**ADDITIONAL SPECIAL TERMS AND CONDITIONS**

**A. Applicable Emission Limitations and/or Control Requirements**  
**(Also see Air Emission Summary)**

1. The exhaust from each dry cleaning machine shall be vented through a refrigerated condenser or an equivalent control device.

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 and unloading.

**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 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.

**C. Monitoring and/or Recordkeeping Requirements**

1. 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 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 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:

- i. Receipts of all perchloroethylene purchases.
- ii. 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.
- iii. The calculation and result of the yearly perchloroethylene consumption (12-month rolling summation), to be determined on the first day of each month.
- iv. 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.
- v. The dates of repair and records of written or verbal orders for repair parts.
- vi. The results and dates of all equipment monitoring required by this permit.

3. The following records shall be kept for a period of not less than three years:

- i. Control equipment maintenance.
- ii. The amount of fabric dry cleaned with perchloroethylene, from January 1 to December 31 of each year, in pounds.

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 onsite and be made available upon request.

#### **D. 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).

#### **E. Miscellaneous Requirements**

1. If the total yearly consumption of perchloroethylene exceeds 1800 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 0.6 tons per year.