APS Premise No. 0671010145
PTI Application No. 06-5499
Fee $100.00

CENTRAL OFFICE USE ONLY

Issuance Date:_____

PERMIT TO INSTALL WORKSHEET

Effective Date:_____

1. TYPE OF SOURCE: Check as applicable:

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

____ 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).
a. Specific 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 | PERMIT | REPORT | PLANS | DATA SHEETS |
|---|---|---|---|---|

| | | | | |
|---|---|---|---|---|
| Kevin Girton<br>PERSON TO CONTACT<br><br>Zane Plaza Quick Clean<br>APPLICANT<br>1060 Bridge St<br><br>STREET<br><br>Chillicothe OH 45601<br>CITY STATE ZIP | X | | | |
| Copy to: | X | | | |
| Copy to: | X | | | |
| Copy to: | X | | | |
| Copy to: | X | | | |
| Local Air Agency | X | | | |
| District Office<br>NEDO_____ NWDO_____ CDO_____ SEDO__X__ SWDO_____ | X | | | |
| Central Office<br>DAPC___X_ DWPC_____ DLPC_____ DHMM_____ | X | | | |

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

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:
9. REPORTING REQUIREMENTS:
10. WASTE DISPOSAL:
11. MAINTENANCE OF EQUIPMENT:
12. MALFUNCTION/ABATEMENT:
13. 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:
24. ADDITIONAL TERMS AND CONDITIONS: __X__ AIR _____ DSHWM _____ WW

AIR EMISSION SUMMARY

The air contaminant sources listed below comprise the Permit to Install for _Zane Plaza Quick CLean_____ 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<br>NESHAP (40 CFR part 63, Subparts A and M)<br>OAC rule 3745-21-09(AA)<br>OAC rule 3745-21-10(J) | This emissions unit is limited to less than 140 gallons consumption of perchloroethylene per 12 month rolling period.<br>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 refrigeratyed 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 perchlorothylene 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.