

1

Facility Name: **Midtown Dry Cleaners**

Application Number: **06-5565**

Date: **September 16, 1998**

GENERAL PERMIT CONDITIONS

TERMINATION OF PERMIT TO INSTALL

Substantial construction for installation must take place within 18 months of the effective date of this permit. 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.

NOTICE OF INSPECTION

The Director of the Ohio Environmental Protection Agency, or his authorized representatives, may enter upon the premises of the above-named applicant during construction and operation at any reasonable time for the purpose of making inspections, conducting tests, or to examine records or reports pertaining to the construction, modification or installation of the source(s) of environmental pollutants identified within this permit.

CONSTRUCTION OF NEW SOURCES

The proposed source(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 Environmental Protection Agency if the proposed sources are inadequate or cannot meet applicable standards.

If the construction of the proposed source(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 Ohio Administrative Code (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

2

Facility Name: **Midtown Dry Cleaners**

Application Number: **06-5565**

Date: **September 16, 1998**

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 applicable standards.

PERMIT TO INSTALL FEE

In accordance with Ohio Revised Code 3745.11, the specified Permit to Install fee must be remitted within 30 days of the effective date of this permit to install.

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.

APPLICABILITY

This Permit to Install is applicable only to the contaminant sources identified. Separate application must be made to the Director for the installation or modification of any other contaminant sources.

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.

PERMIT TO OPERATE APPLICATION

A Permit to Operate application must be submitted to the appropriate field office for each air contaminant source in this Permit to Install. In accordance with OAC Rule

3

Facility Name: **Midtown Dry Cleaners**

Application Number: **06-5565**

Date: **September 16, 1998**

3745-35-02, the application shall be filed no later than thirty days after commencement of operation.

SOURCE OPERATION 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 and regulations.

4

Facility Name: **Midtown Dry Cleaners**

Application Number: **06-5565**

Date: **September 16, 1998**

Facility Name: **Midtown Dry Cleaners**

Application Number: **06-5565**

Date: **September 16, 1998**

<u>Ohio EPA Source Number</u>	<u>Source Identification Number</u>	<u>BAT Determination</u>	<u>Applicable Federal & OAC Rules</u>	<u>Permit Allowable Mass Emissions and/or Control/Usage Requirements</u>
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AIR EMISSION SUMMARY

The air contaminant emissions units listed below comprise the Permit to Install for **Midtown Dry Cleaners** located in **Tuscarawas** County. The emissions units 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.

<u>Ohio EPA Source Number</u>	<u>Source Identification Description</u>	<u>BAT Determination</u>	<u>Permit Allowable Mass Emissions and/or Control/Usage Requirements</u>
		dry machine with a refrigerated condenser.	Compliance with MACT standard. The exhaust from the
D001	Existing dry-to-dry machine with a refrigerated condenser.	Compliance with MACT standard. The exhaust from the dry cleaning machine shall be vented through a refrigerated condenser.	dry cleaning machine shall be vented through a refrigerated condenser or an equivalent control device.
D002	Existing dry-to-dry machine with a refrigerated condenser.	Compliance with MACT standard. The exhaust from the dry cleaning machine shall be vented through a refrigerated condenser.	
D003	New dry-to-		

Facility Name: **Midtown Dry Cleaners**

Application Number: **06-5565**

Date: **September 16, 1998**

<u>Ohio EPA Source Number</u>	<u>Source Identification Number</u>	<u>BAT Determination</u>	<u>Applicable Federal & OAC Rules</u>	<u>Permit Allowable Mass Emissions and/or Control/Usage Requirements</u>
	3745-21-09 (AA);			
	OAC rule	Permit Allowable		
	3745-21-10 (J)	Mass Emissions		
Applicable	;	and/or Control/Usage		
Federal	OAC rule	<u>Requirements</u>		
	3745-31-05			
&		See Additional		
<u>OAC Rules</u>	40 CFR PART 63,	Special Terms and		
	Subparts M	Conditions A.1. and		
40 CFR	and A;	A.2 below.		
PART	OAC rule			
63,	3745-21-09			
Subpart	(AA);			
s M and	OAC rule			
A;	3745-21-10 (J)	See Additional		
OAC	;	Special Terms and		
rule	OAC rule	Conditions A.1. and		
3745-21-	3745-31-05	A.2 below.		
09				
(AA);				
OAC				
rule				
3745-21-				
10 (J);		See Additional		
OAC		Special Terms and		
rule		Conditions A.1. and		
3745-31-		A.2 below.		
05				
40 CFR				
PART				
63,				
Subpart				
s M and				
A;				
OAC				
rule				

Facility Name: **Midtown Dry Cleaners**

Application Number: **06-5565**

Date: **September 16, 1998**

SUMMARY
TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS

<u>Pollutant</u>	<u>Tons/Year</u>
Perchloroethylene	3.4

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.

ADDITIONAL SPECIAL TERMS AND CONDITIONS

A. Applicable Emission Limitations and/or Control Requirements

1. Consumption of perchloroethylene from this facility shall not exceed 750 gallons per rolling 12-month period.
2. Emissions of perchloroethylene from this facility shall not exceed 3.4 ton per year.
3. 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.

B. Operational Restrictions

1. The waste from any diatomaceous earth filter which has been used to filter perchloroethylene shall

Facility Name: **Midtown Dry Cleaners**

Application Number: **06-5565**

Date: **September 16, 1998**

- 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

Facility Name: **Midtown Dry Cleaners**

Application Number: **06-5565**

Date: **September 16, 1998**

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 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.

Facility Name: **Midtown Dry Cleaners**

Application Number: **06-5565**

Date: **September 16, 1998**

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; and,
 - f. the results and dates of all equipment monitoring required by this permit.

Facility Name: **Midtown Dry Cleaners**

Application Number: **06-5565**

Date: **September 16, 1998**

4. The following records shall be kept for a period of not less than three years:
 - a. control equipment maintenance; and,
 - 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.

D. Reporting Requirements

1. If the yearly perchloroethylene solvent consumption limit of 750 gallons 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).
2. 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.