



State of Ohio Environmental Protection Agency

Muskingum County

RE: Final Permit to Install

Street
1800 \\
Column

address:

16-1049

Application No: **06-5872**

DATE: **August 25, 1999**

**Ohio Plastics Company
Kenneth Mayle
119 West Second Street
Frazeyburg, Ohio 43822**

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 Director's 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,

Thomas G. Rigo, Manager
Field Operations and Permit Section
Division of Air Pollution Control

cc: USEPA

Ohio EPA Southeast District Office



STATE OF OHIO ENVIRONMENTAL PROTECTION AGENCY

Application Number: 06-5872

Permit
Title

APS Premise Number: 0660000023

Permit Fee: **\$400**

Name of Facility: Ohio Plastics Company

Person to Contact: Kenneth Mayle

Address: 119 West Second Street
Frazeyburg, Ohio 43822

Location of proposed air contaminant source(s) [emissions unit(s)]:

**119 West Second Street
Frazeyburg, Ohio**

Description of proposed emissions unit(s):

REPLACEMENT OF TWO MANUAL SPRAY BOOTHS WITH TWO ROBOTIC ARM SPRAY BOOTHS (NO NET INCREASE IN EMISSIONS).

Date of Issuance: August 25, 1999

Effective Date:

August 25, 1999

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 Recordkeeping Requirements

The permittee shall submit required reports in the following manner:

- a. Reports of any required monitoring and/or recordkeeping 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 recordkeeping 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 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 Environmental Protection Agency if the proposed sources are inadequate 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 prove to be inadequate 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 thirty (30) days after commencing operation of the emissions unit(s) covered by this permit.

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>
Organic Compounds	51.1 (No net increase in emissions)
Particulate	4.8 (No net increase in emissions)

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>
Spray Booth #4R(R012)	OAC rule 3745-31-05	Organic compound (OC) emissions from this emissions unit shall not exceed 40 pounds per day.
	OAC rule 3745-21-07(G)(2)	Combined organic compound emissions from sources R005, R006, R007, R010, R011, R012, and R013 shall not exceed 51.1 tons per year as a twelve-month rolling summation.
	OAC rule 3745-17-11	To avoid the emission limitations/control requirements contained in OAC rule 3745-21-07 (G)(2), no photochemically reactive materials (i.e., as coatings or cleanup materials) shall be employed in this emissions unit.
	OAC rule 3745-17-07	Note: "Photochemically reactive material" is defined in OAC rule 3745-21-01 (C)(5).
		This emissions unit is limited to 0.551 pound per hour and 2.4 tons per year of particulate matter

emissions.

Visible particulate emissions from any stack shall not exceed twenty percent opacity, as a six-minute average, except for a period of six consecutive minutes in any sixty minutes period. Visible particulate emissions shall not exceed sixty percent opacity, as a six-minute average, at any time.

2. Additional Terms and Conditions

- 2.a** The permittee shall employ a spray booth filter having a design control efficiency for particulates greater than 98% during any operation of the emissions unit.

B. Operational Restrictions

1. The permittee shall operate the dry filtration system whenever this emissions unit is in operation.

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall collect and record the following information for each day for the coating operation:
- The company identification for each coating and cleanup material employed.
 - The number of gallons of each coating and cleanup material employed.
 - The OC content of each coating and cleanup material, in pounds per gallon.
 - The total OC emission rate for all cleanup materials, in pounds per day.

The total potential (prior to applying the booth/oven "split") daily OC emission rate for all coatings, in pounds per day.

- f. The total potential daily OC emission rate for all coatings multiplied by the maximum percentage of the emissions associated with this emissions unit (as defined in condition C.2 of this permit), in pounds per day.
- g. The total OC emission rate for all coatings and cleanup materials, in pounds per day (i.e., the sum of the figures from items (d) and (f)).

[Note: The coating information must be for the coatings as employed, including any thinning solvents added at the emissions unit.]

4. For purposes of calculating the organic compound emission rates for this emissions unit and the associated ovens (P001 or P002), the permittee shall utilize a value of 96.25% as the maximum percentage of the organic compounds employed in this emissions unit that are emitted uncontrolled from the emissions unit. The remaining 3.75% of the organic compounds employed in this emissions unit shall be considered to be the uncontrolled emissions for the associated oven. This "split" of organic compound emissions between this emissions unit and the associated oven is based upon evaporation curves relating percent solvent losses to solvent flash-off times as illustrated in Figure 655 of AP-40.
5. The permittee shall collect and record the following information for each month for the coating operation:
 - a. The total OC emission rate for all coatings and cleanup materials, in tons per month.
 - b. The total OC emission rate for all coatings and cleanup materials for the previous 12 months, in tons per year, for sources R005,R006,R007,R010,R011,R012, and R013 combined.
4. The permittee shall maintain daily records that document any time periods when the dry filtration system was not in service when the emissions unit was in operation.

D. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which include the following information:
 - a. An identification of each day during which the OC emissions from the coatings and cleanup materials exceeded 40 pounds per day, and the actual OC emissions for each such day.
 - b. Any exceedance of the rolling, 12-month emission limitation of 51.1 tons/year for organic compounds.
2. The permittee shall also submit annual reports which specify the total organic compound emissions from this emissions unit for the previous twelve months. These reports shall be submitted by January 31 of each year.
3. The permittee shall notify the Director (the appropriate District Office or local air agency) in writing of any daily record showing that the dry filtration system was not in service when the emissions unit was in operation. The notification shall include a copy of such record and shall be sent to the Director (the appropriate District Office or local air agency) within 30 days after the

event occurs.

E. Testing Requirements

1. Compliance with the allowable emission limitations in Section A.1 of these terms and conditions shall be determined in accordance with the following methods:

- a. Emission Limitation:
40 pounds per day of OC
- Applicable Compliance Method:
Compliance shall be based upon the record keeping specified in Section C.
- b. Emission Limitation:
Combined organic compound emissions from sources R005, R006, R007, R010, R011, R012, and R013 shall not exceed 51.1 tons per year as a twelve-month rolling summation.
- Applicable Compliance Method:
Compliance shall be based upon the record keeping specified in Section C.

2. Compliance with the particulate matter emission limits shall be determined by multiplying the maximum uncontrolled rate for particulates (lb PM/hr) by the design control efficiency of the filters (98%) as follows:

$$(\text{lb PM/gal})(\text{gal/hr})(1 - 0.98) = \text{lb PM/hr}$$

$$(\text{lb PM/hr})(8760 \text{ hr/yr})(0.0005 \text{ ton/lb}) = \text{tons/yr}$$

Neither the hourly nor the annual PM emission limits can be exceeded if a spray booth filter having a design control efficiency for particulates greater than 98% is employed during any operation of the emissions unit.

3. Compliance with the visible emission limit shall be determined through visible emission observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03 (B)(1). No visible emission testing is specifically required to demonstrate compliance with this limit but, if appropriate, may be requested pursuant to OAC rule 3745-15-04 (A).

F. Miscellaneous Requirements

None

PART II - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S) [Continued]

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>	OAC rule 3745-17-07
Spray Booth #5R(R013)	OAC rule 3745-31-05	
	OAC rule 3745-21-07(G)(2)	
	OAC rule 3745-17-11	

Applicable Emissions
Limitations/Control Measures

Organic compound (OC) emissions from this emissions unit shall not exceed 40 pounds per day.

Combined organic compound emissions from sources R005, R006, R007, R010, R011, R012, and R013 shall not exceed 51.1 tons per year as a twelve-month rolling summation.

To avoid the emission limitations/control requirements contained in OAC rule 3745-21-07 (G)(2), no photochemically reactive materials (i.e., as coatings or cleanup materials) shall be employed in this emissions unit.

Note: "Photochemically reactive material" is defined in OAC rule 3745-21-01 (C)(5).

This emissions unit is limited to 0.551 pound per hour and 2.4 tons per year of particulate matter emissions.

Visible particulate emissions from any stack shall not exceed twenty percent opacity, as a six-minute average, except for a period of six consecutive minutes in any sixty minutes period. Visible particulate emissions shall not exceed sixty percent opacity, as a six-minute

average, at any time.

2. Additional Terms and Conditions

- 2.a** The permittee shall employ a spray booth filter having a design control efficiency for particulates greater than 98% during any operation of the emissions unit.

B. Operational Restrictions

1. The permittee shall operate the dry filtration system whenever this emissions unit is in operation.

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall collect and record the following information for each day for the coating operation:
- a. The company identification for each coating and cleanup material employed.
 - b. The number of gallons of each coating and cleanup material employed.
 - c. The OC content of each coating and cleanup material, in pounds per gallon.
 - d. The total OC emission rate for all cleanup materials, in pounds per day.
 - e. The total potential (prior to applying the booth/oven "split") daily OC emission rate for all coatings, in pounds per day.
 - f. The total potential daily OC emission rate for all coatings multiplied by the maximum percentage of the emissions associated with this emissions unit (as defined in condition C.2 of this permit), in pounds per day.
 - g. The total OC emission rate for all coatings and cleanup materials, in pounds per day (i.e., the sum of the figures from items (d) and (f)).

[Note: The coating information must be for the coatings as employed, including any thinning solvents added at the emissions unit.]

2. For purposes of calculating the organic compound emission rates for this emissions unit and the associated ovens (P001 or P002), the permittee shall utilize a value of 96.25% as the maximum percentage of the organic compounds employed in this emissions unit that are emitted uncontrolled from

the emissions unit. The remaining 3.75% of the organic compounds employed in this emissions unit shall be considered to be the uncontrolled emissions for the associated oven. This "split" of organic compound emissions between this emissions unit and the associated oven is based upon evaporation curves relating percent solvent losses to solvent flash-off times as illustrated in Figure 655 of AP-40.

3. The permittee shall collect and record the following information for each month for the coating operation:
 - a. The total OC emission rate for all coatings and cleanup materials, in tons per month.
 - b. The total OC emission rate for all coatings and cleanup materials for the previous 12 months, in tons per year, for sources R005,R006,R007,R010,R011,R012, and R013 combined.
4. The permittee shall maintain daily records that document any time periods when the dry filtration system was not in service when the emissions unit was in operation.

D. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which include the following information:
 - a. An identification of each day during which the OC emissions from the coatings and cleanup materials exceeded 40 pounds per day, and the actual OC emissions for each such day.
 - b. Any exceedance of the rolling, 12-month emission limitation of 51.1 tons/year for organic compounds.
2. The permittee shall also submit annual reports which specify the total organic compound emissions from this emissions unit for the previous twelve months. These reports shall be submitted by January 31 of each year.
3. The permittee shall notify the Director (the appropriate District Office or local air agency) in writing of any daily record showing that the dry filtration system was not in service when the emissions unit was in operation. The notification shall include a copy of such record and shall be sent to the Director (the appropriate District Office or local air agency) within 30 days after the event occurs.

E. Testing Requirements

1. Compliance with the allowable emission limitations in Section A.1 of these terms and conditions shall be determined in accordance with the following methods:

Ohio Plastics Company
PTI Application 06 5872
August

Facility ID: 0660000023

Emissions Unit ID: **R013**

- a. Emission Limitation:
40 pounds per day of OC

Applicable Compliance Method:
Compliance shall be based upon the record keeping specified in Section C.

- b. Emission Limitation:
Combined organic compound emissions from sources R005, R006, R007, R010, R011, R012, and R013 shall not exceed 51.1 tons per year as a twelve-month rolling summation.

Applicable Compliance Method:
Compliance shall be based upon the record keeping specified in Section C.

2. Compliance with the particulate matter emission limits shall be determined by multiplying the maximum uncontrolled rate for particulates (lb PM/hr) by the design control efficiency of the filters (98%) as follows:

$$(\text{lb PM/gal})(\text{gal/hr})(1 - 0.98) = \text{lb PM/hr}$$

$$(\text{lb PM/hr})(8760 \text{ hr/yr})(0.0005 \text{ ton/lb}) = \text{tons/yr}$$

Neither the hourly nor the annual PM emission limits can be exceeded if a spray booth filter having a design control efficiency for particulates greater than 98% is employed during any operation of the emissions unit.

3. Compliance with the visible emission limit shall be determined through visible emission observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03 (B)(1). No visible emission testing is specifically required to demonstrate compliance with this limit but, if appropriate, may be requested pursuant to OAC rule 3745-15-04 (A).

F. Miscellaneous Requirements

None