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Facility Name: **C W Ohio Inc**

Application Number: **02-2494**

Date: **October 21, 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

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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.

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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 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.

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<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 **C W Ohio Inc** located in **Ashtabula** 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>Applicable Federal & OAC Rules</u>	<u>Permit Allowable Mass Emissions and/or Control/Usage Requirements</u>
P017	Spin casting machine no. 14	*	3745-21-07 (G) (2)	*
		4.4 pounds/day and 0.80 TPY of OC emissions	3745-31-05	4.4 pounds/day and 0.80 TPY of OC emissions

* The emissions limit based on this applicable rule is less stringent than the limit established pursuant to OAC rule 3745-31-05.

SUMMARY

TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS

<u>Pollutant</u>	<u>Tons/Year</u>
OC	0.80

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RECORD(S) RETENTION AND AVAILABILITY

All records required by this Permit to Install shall be retained on file for a period of not less than three years unless otherwise indicated by Ohio Environmental Protection Agency. All records shall be made available to the Director, or any representative of the Director, for review during normal business hours.

REPORTING REQUIREMENTS

Unless otherwise specified, reports required by the Permit to Install need only be submitted to **Ohio EPA, Northeast District Office, 2110 E. Aurora Rd., Twinsburg, OH 44087.**

WASTE DISPOSAL

The owner/operator shall comply with any applicable state and federal requirements governing the storage, treatment, transport and disposal of any waste material generated by the operation of the sources.

MAINTENANCE OF EQUIPMENT

This source and its associated air pollution control system(s) shall be maintained regularly in accordance with good engineering practices and the recommendations of the respective manufacturers in order to minimize air contaminant emissions.

AIR POLLUTION NUISANCES PROHIBITED

The air contaminant source(s) identified in this permit may not cause a public nuisance in violation of OAC Rule 3745-15-07.

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NINETY DAY OPERATING PERIOD

The facility will be permitted to operate during a 90-day period in accordance with OAC Rule 3745-35-02(C)(4)(b). The purpose of this period of operation is to fulfill the performance tests conditions used in the determination of compliance with the provisions of this Permit to Install or other applicable Ohio EPA rules.

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.

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ADDITIONAL SPECIAL TERMS AND CONDITIONS

A. Introduction

The company manufactures wood and plastic window frames and fiber glass reinforced plastic columns. This permit is for one spin casting machine. The emissions of organic compounds from the spin casting operation consist of styrene only.

B. Operational Restrictions

1. None.

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall collect and record the following information for each day for each spin casting machine:
 - a. the company identification of each mold compound material employed;
 - b. the number of pounds of each mold compound material employed;
 - c. the organic compound content of each mold compound material, in percent by weight;
 - d. the organic compound emission rate for each mold compound material, in pounds per day; and,
 - e. the total organic compound emission rate for all mold compound materials, in pounds per day.

D. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports to the Ohio EPA, Northeast District Office which identify all exceedances. The report shall include the following information:
 - a. an identification of each day during which the total organic compound emissions exceeded 4.4 pounds per day, and the actual organic compound emissions for each such day; and,

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- b. a description of any corrective actions taken to address any exceedance of any emission limitation.

The excursion 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. If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC Rule 3745-15-06).

2. The permittee shall submit annual reports to the Ohio EPA, Northeast District Office which include the total organic compound emissions from the emissions unit for the previous calendar year in tons per year. These reports shall be submitted by April 15 of each year.

E. Testing Requirements

1. Compliance with the emissions limitation(s) in the Air Emission Summary of this permit shall be determined in accordance with the following method(s):

- a. Emission Limitation

4.4 lbs OC/day

Applicable Compliance Method(s)

Compliance shall be determined based upon the following:

$E = \text{summation of } (M_i \times RC_i \times SC_i \times EF)$

Where:

$E =$ the daily OC emissions, in pounds per day.

$M_i =$ the mass of the mold compound I employed, in pounds per day.

$RC =$ the polyester resin/styrene mix content of mold compound I as a weight ratio, in pounds of polyester resin/styrene mix per pound of mold compound.

$SC =$ the styrene content of the polyester resin/styrene mix I as a weight ratio, in pounds of styrene per pound of polyester

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resin/styrene mix.

EF = the emission factor for styrene emissions, which is 0.98 pound per pound of available styrene, as determined from supplier data, mass balance trials and in house pilot testing.

b. Emission Limitation

0.80 TPY OC

Applicable Compliance Method(s)

Compliance shall be based on the recordkeeping specified in Additional Special Term and Condition C. 1. e. of this permit and shall be the sum of the daily OC emission rates for the calendar year.

2. Any determination of organic compound content (pounds of organic compounds per pound of mold compound), solids content, or density of a mold compound material shall be based on the mold compound material as employed (as applied), including the addition of any thinner or viscosity reducer to the mold compound material. The permittee shall determine the composition of the mold compound material by formulation data supplied by the manufacturer of the polyester resin/styrene mix material or from data determined by an analysis of each mold compound material, as received, by U.S. EPA Reference Method 24 as referenced in 40 CFR Part 60, Appendix A. If formulation data is employed, the Ohio EPA may require the permittee to have a Reference Method 24 analysis or an equivalent, alternative method (as approved by Ohio EPA) performed on the mold compound material(s).

F. Miscellaneous Requirements

1. None.