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Facility Name: **MANTUA MANUFACTURING COMPANY**

Application Number: **13-2863**

Date: **January 21, 1999**

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.

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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 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.

Facility Name: **MANTUA MANUFACTURING COMPANY**Application Number: **13-2863**Date: **January 21, 1999**AIR EMISSION SUMMARY

The air contaminant emissions units listed below comprise the Permit to Install for **MANTUA MANUFACTURING COMPANY** located in **Cuyahoga** 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.

Ohio EPA Source Number	Source Identification Description	BAT Determination	Applicable Federal & OAC Rules	Permit Allowable Mass Emissions and/or Control/Usage Requirements
N001	A burn-off oven to burn off paint coated conveyor hooks Company ID is Controlle D Pyrolysis Cleaning Furnace.	The BAT determination for this emissions unit is an integral thermal incinerator (afterburner chamber) operated at a minimum chamber temperature of 1400 degrees Fahrenheit and a minimum residence time of 0.3 second.	3745-31-05 3745-15-07 3745-17-07 3745-17-09	0.133 lb PM ₁₀ /hr and 0.2 lb PM ₁₀ /100 lbs salvageable material charged * ** same as 3745-31-05

* The emission unit identified in this permit shall not cause a public nuisance in violation of OAC rule 3745-15-07.

** Visible particulate emissions from this emissions unit shall not exceed five percent (5%) opacity, as a six-minute average, as determined in accordance with OAC rule 3745-17-03(B)(1) (except as provided by rule).

SUMMARY

TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS

<u>Pollutant</u>	<u>Tons/Year</u>
PM	0.58

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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 **Department of Public Health & Welfare, Division of the Environment, 1925 St. Clair Avenue, Cleveland, Ohio 44114.**

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.

MALFUNCTION/ABATEMENT

In accordance with OAC RULE 3745-15-06, any malfunction of the source(s) or associated air pollution control system(s) shall be reported immediately to the **Department of Public Health & Welfare, Division of the Environment, 1925 St. Clair Avenue, Cleveland, Ohio 44114.**

Except as provided by OAC Rule 3745-15-06(A)(3), scheduled maintenance of air pollution control equipment that requires the shutdown or bypassing of air pollution control system(s) must be accompanied by the shutdown of the associated air pollution sources.

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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.

ADDITIONAL SPECIAL TERMS AND CONDITIONS

A. Applicable Emission Limitation and/or Control Requirements

The PM emission limitations for emissions unit N001 are identified in the Air Emission Summary Section of this Permit to Install (PTI).

B. Operational Restriction

1. This emissions unit shall not be charged with 66.7 pounds/hour or more of salvageable material averaged over a batch cycle.
2. The average thermal incinerator (afterburner chamber) combustion temperature, for any 3-hour block of time, shall be no more than 50 degrees Fahrenheit below 1400 degrees Fahrenheit when the emissions unit is in operation.

C. Monitoring and Record Keeping Requirements

The permittee shall maintain daily, monthly and continuous records of the following information:

1. The permittee shall install, operate and maintain a continuous temperature monitor and recorder which measures and records the combustion temperature within the thermal incinerator (afterburner chamber) when the emissions unit is in operation. Temperature measurement units shall be in degrees Fahrenheit. The accuracy for each thermocouple, monitor and recorder shall be guaranteed by the manufacturer to be within +/- one percent (1%) of the temperature being measured or +/- five (5) degrees Fahrenheit whichever is greater. The

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temperature monitor and recorder shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions and manual(s) with any modifications deemed necessary by the permittee;

2. All 3-hour blocks of time during which the average combustion temperature within the thermal incinerator (afterburner chamber), when the emissions unit is in operation, was more than 50 degrees Fahrenheit below the 1400 degrees Fahrenheit; and
3. A log of the downtime for the capture (collection) system, control device, and monitoring equipment, when the associated emissions unit was in operation.

D. Reporting Requirements

The permittee shall submit semi-annually written reports which identify all deviations (excursions), exceedances and non-compliance periods of time of the following unless specified otherwise below:

1. The permittee shall submit semi-annually deviation (excursion) reports which identify all 3-hour blocks of time during which the average combustion temperature within the thermal incinerator (afterburner chamber), when the emissions unit was in operation, was more than 50 degrees Fahrenheit below the 1400 degrees Fahrenheit, the probable cause of such deviations (excursions), and any corrective actions or preventive measures which have been or will be taken;
2. If no deviations (excursions) occurred during a six month period, the permittee shall submit written semi-annually report, which states that no deviations (excursions) occurred during the previous six months. The reports shall be submitted semi-annually, i.e., by January 31 and July 31 of each year and shall cover the previous six months, (These semi-annually reports shall exclude deviations (excursions) resulting from malfunctions reported in accordance with OAC rule 3745-15-06; and
3. The permittee shall submit written semi-annually

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summaries which include a log of the downtime for the capture (collection) system, control device, and monitoring equipment, when the associated emissions unit was in operation. These summaries shall be submitted by January 31 and July 31 of each year and shall cover the previous six months.