

Facility Name: **Wagner Manufacturing Corporation**

Application Number: **05-4959**

Date: **February 24, 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. Approval of the plans in any case is not to be construed as

2

Facility Name: **Wagner Manufacturing Corporation**

Application Number: **05-4959**

Date: **February 24, 1999**

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.

Facility Name: **Wagner Manufacturing Corporation**

Application Number: **05-4959**

Date: **February 24, 1999**

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.

4

Facility Name: **Wagner Manufacturing Corporation**

Application Number: **05-4959**

Date: **February 24, 1999**

5

Facility Name: **Wagner Manufacturing Corporation**

Application Number: **05-4959**

Date: **February 24, 1999**

<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 **Wagner Manufacturing Corporation** located in **Shelby of** 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>
P907	Aluminum reverberatory furnace	compliance with the terms and conditions of this permit	3745-31-05	0.8 lb/hr NO _x , 1.6 TPY NO _x , 0.67 lb CO/hr, 1.34 TPY CO, 11.86 TPY PM
			3745-17-07 (B)	Fugitive visible particulate emissions shall not exceed 20% opacity as a 3-minute average
			3745-17-11	5.38 lbs PM/hr
			3745-17-07 (A)	Visible particulate stack emissions shall not exceed 20% opacity as a 6-minute average

Facility Name: **Wagner Manufacturing Corporation**
 Application Number: **05-4959**
 Date: **February 24, 1999**

SUMMARY
 TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS

<u>Pollutant</u>	<u>Tons/Year</u>
PM	10.76
NO _x	1.6
CO	1.34

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 Emissions Limitations and/or Control Requirements

1. Emission Unit P907
 - a. particulate emissions shall not exceed 5.38 lbs/hr;
 - b. particulate emissions shall not exceed 10.76 TPY;
 - c. visible particulate emissions from the stack shall not exceed 20% opacity, as a six-minute average, except for a period of 6 consecutive minutes in any 60-minute period. Visible particulate emissions shall not exceed 60%, as a six-minute average, at any time;
 - d. fugitive visible particulate emissions shall not exceed 20% opacity, as a three-minute average;
 - d. emissions of Nitrogen Oxides shall not exceed 0.8 lbs/hr;
 - e. emissions of Nitrogen Oxides shall not exceed 1.6 TPY;

Facility Name: **Wagner Manufacturing Corporation**

Application Number: **05-4959**

Date: **February 24, 1999**

f. emissions of Carbon Monoxide shall not exceed 0.67 lbs/hr; and,

g. emissions of Carbon Monoxide shall not exceed 1.34 TPY;

B. Operational Restrictions

1. This furnace shall melt no more than 2500 pounds/hr of aluminum as a 24-hour average.
2. Only virgin aluminum ingots or clean scrap shall be melted in this furnace. Aluminum contaminated with rubber, plastic, paper, rags, oil, grease, or similar smoke-producing material shall not be charged to this furnace.
3. Natural gas shall be the only fuel burned in this emissions unit.

C. Monitoring and/or Recordkeeping Requirements

1. The permittee shall keep a daily record of the following information:
 - a. the total amount of aluminum melted in this furnace;.
 - b. the total number of hours this furnace operated; and,
 - c. the average hourly aluminum melting rate, (a)/(b), in pounds-per-hour average.
2. 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, if a strip-chart recorder is employed, for continuous monitoring instrumentation, and copies of all reports required by the permit. Such records may be maintained in computerized form.

D. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports which include the following information:

Facility Name: **Wagner Manufacturing Corporation**

Application Number: **05-4959**

Date: **February 24, 1999**

- a. identify any exceedances of the limit of 2500 pounds of aluminum melted per hour.
2. 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 Ohio EPA's Southwest District Office. If no deviations occurred during a calendar quarter, the permittee shall submit a report which states that no deviations occurred during that quarter. The reports shall be submitted quarterly, i.e., by February 15, May 15, August 15, and November 15 of each year and shall cover the previous calendar quarters. (These quarterly reports shall exclude such deviations resulting from any malfunction reported in accordance with OAC rule 3745-15-06.)

E. Testing Requirements

1. Compliance with the emission limitation(s) in section A.1 of these terms and conditions shall be determined in accordance with the following method(s):
 - a. Emission Limitation-
5.38 lbs PM/hr and 10.76 TPY PM

Applicable Compliance Method-

Compliance shall be demonstrated using Method 5, 40 CFR Part 60, Appendix A. In the absence of Ohio EPA requiring such testing, the permittee may calculate actual PM emission rates for the unit utilizing the following equation:

$$E = (\text{maximum aluminum melting rate in tons per hour}) \times (EF)$$

where:

$$E = \text{Particulate matter emissions rate (lbs/hr)}.$$

Facility Name: **Wagner Manufacturing Corporation**

Application Number: **05-4959**

Date: **February 24, 1999**

EF =Emission Factor, 4.3 lbs (from AP-42 12.8, date 10/86)

- b. Emission limitation-
20 % opacity

Applicable Compliance Method-
Compliance shall be determined in accordance with Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60 ("Standards of Performance for New Stationary Sources"), as such Appendix existed on July 1, 1996, and the modifications listed in OAC rule 3745-17-03.

- c. Emission Limitation-
0.8 lbs NOx/hr

Applicable Compliance Method-
The permittee may calculate actual NOx emission rates for the unit utilizing the following equation:

$$E = (EF/1,000,000 \text{ cu ft}) (\text{maximum cu ft/hr})$$

where:

$$E = \text{NOx emission rate (lbs/hr)}$$

EF= Emission Factor, 100 lbs (from AP-42 1.4-2, date

3/98)

- d. Emission Limitation-
0.67 lbs CO/hr

Applicable Compliance Method-
The permittee may calculate actual CO emission rates for the unit utilizing the following equation:

$$E = (EF/1,000,000 \text{ cu ft}) (\text{maximum cu ft/hr})$$

where:

$$E = \text{CO emission rate (lbs/hr)}$$

10

Facility Name: **Wagner Manufacturing Corporation**

Application Number: **05-4959**

Date: **February 24, 1999**

EF= Emission Factor, 84 lbs (from AP-42 1.4-2, date
3/98)

F. Miscellaneous Requirements

1. None