



State of Ohio Environmental Protection Agency

Street Address:

Mailing Address:

Lazarus Gov. Center TELE: (614) 644-3020 FAX: (614) 644-2329

Lazarus Gov.
Center

RE: **FINAL PERMIT TO INSTALL MODIFICATION** CERTIFIED MAIL
LUCAS COUNTY
Application No: 04-00889

DATE: 1/24/2002

General Motors Corp/ Powertrain Div.
Thomas Wynn
P.O. Box 909
Toledo, OH 43697-0909

Enclosed Please find a modification to the Ohio EPA Permit To Install referenced above which will modify the terms and conditions.

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 Directors 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,

A handwritten signature in black ink that reads "Thomas G. Rigo". The signature is written in a cursive style.

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

CC: USEPA

TDES



**Permit To Install
Terms and Conditions**

**Issue Date: 1/24/2002
Effective Date: 1/24/2002**

FINAL ADMINISTRATIVE MODIFICATION OF PERMIT TO INSTALL 04-00889

Application Number: **04-00889**
APS Premise Number: **0448010404**
Permit Fee: **\$300**
Name of Facility: **General Motors Corp/ Powertrain Div.**
Person to Contact: **Thomas Wynn**
Address: **P.O. Box 909
Toledo, OH 43697-0909**

Location of proposed air contaminant source(s) [emissions unit(s)]:
**1455 W. Alexis Rd.
Toledo, OHIO**

Description of modification:
3.5 ton/hr radiant roof gas-fired aluminum reverberatory furnace.

The above named entity is hereby granted a modification to the permit to install described above pursuant to Chapter 3745-31 of the Ohio Administrative Code. Issuance of this modification 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 source(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 included in the application, the above described source(s) of pollutants will be granted the necessary operating permits.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Director

General Motors Corp/ Powertrain Div.

Facility ID: **0448010404**

PTI Application: 04-00889

Modification Issued: 1/24/2002

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 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.

General Motors Corp/ Powertrain Div.

Facility ID: **0448010404**

PTI Application: 04-00889

Modification Issued: 1/24/2002

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 AND OPERATION AFTER COMPLETION OF CONSTRUCTION

If the permittee is required to apply for a Title V permit pursuant to OAC Chapter 3745-77, the permittee shall submit a complete Title V permit application or a complete Title V permit modification application within twelve (12) months after commencing operation of the emissions units covered by this permit. However, if the proposed new or modified source(s) would be prohibited by the terms and conditions of an existing Title V permit, a Title V permit modification must be obtained before the operation of such new or modified source(s) pursuant to OAC rule 3745-77-04(D) and OAC rule 3745-77-08(C)(3)(d).

If the permittee is required to apply for permit(s) pursuant to OAC Chapter 3745-35, the source(s) identified in this Permit To Install is (are) permitted to operate for a period of up to one year from the date the source(s) commenced operation. 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 source(s) covered by this permit.

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.

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.

5

General Motors Corp/ Powertrain Div.

PTI Application: 04-00889

Modification Issued: 1/24/2002

Facility ID: **0448010404**

General Motors Corp/ Powertrain Div.
PTI Application: 04-00889
Modification Issued: 1/24/2002

Facility ID: **0448010404**

<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>
-------------------------------	-------------------------------------	--------------------------	---	--

AIR EMISSION SUMMARY

The air contaminant emissions units listed below comprise the Permit to Install for **General Motors Corp/ Powertrain Div.** located in **LUCAS** 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>
				3745-17-07 (A)(1)
				3745-17-11 (B)(1)
P902	14 million Btu, natural gas-fired reverberatory aluminum melting furnace with a wet scrubber on the combustion stack (process emissions) and a charging well with fugitive emissions, partially enclosed and ducted to a wet scrubber (fugitive emissions); 3.5 tons per hour production capacity *		3745-31-05 (A)(3)	3745-18-06 (E)
				3745-17-07 (B)(1)
				3745-17-08 (B)(3)

General Motors Corp/ Powertrain Div.
PTI Application: 04-00889
Modification Issued: 1/24/2002

Facility ID: **0448010404**

<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>
Permit Allowable Mass Emissions and/or Control/Usage Requirements	6.9 tons/yr PM total from the combustion stack scrubber and charging well scrubber combined.			
20 percent opacity, as a 6-minute average, from each stack.	0.008 grain PM/dry standard cubic foot from the charging well scrubber.			
2.5 lbs/hr PM total from the combustion stack scrubber and charging well scrubber combined.	69 lbs SO ₂ /hr	**		
	**	**		

General Motors Corp/ Powertrain Div.
PTI Application: 04-00889
Modification Issued: 1/24/2002

Facility ID: **0448010404**

**

**

BAT for the furnace is a wet scrubber or equivalent. BAT for the charging well fugitive emissions shall be the use of hoods, fans, etc. to adequately capture and control fugitive emissions to the extent possible with good engineering design. The emissions shall be vented to a control device with an outlet emission rate of not more than 0.008 grains of particulate per standard cubic foot of exhaust gas and visible emissions not to exceed 20 percent opacity.

** These applicable rules are equivalent to or less restrictive than the BAT determination as set forth in 3745-31-05 (A) (3).

SUMMARY
TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS

<u>Pollutant</u>	<u>Tons/Year</u>
PM	6.9
SO2	negligible

REPORTING REQUIREMENTS

Unless otherwise specified, reports required by the Permit to Install need only be submitted to **TDES**.

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

General Motors Corp/ Powertrain Div.
PTI Application: 04-00889
Modification Issued: 1/24/2002

Facility ID: **0448010404**

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.

General Motors Corp/ Powertrain Div.

Facility ID: **0448010404**

PTI Application: 04-00889

Modification Issued: 1/24/2002

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 **TDES**.

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.

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.

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

1. GM Powertrain shall operate and maintain the reverberatory furnace and its charging well and hoods so as to minimized the possibility of uncontrolled emissions. Hoods shall be constructed so as to minimize warpage due to high temperature and physical damage. All hood doors shall be kept closed except during times when access to the furnace or charging well is required. Should any hoods or doors become damaged, they shall be repaired as soon as possible but not more than two weeks from the date the hood or door became damaged or warped.
2. GM Powertrain shall keep production records listing the metal throughput for this furnace. These records shall be maintained for a minimum of two years and shall be made available to the Toledo Environmental Services Division of the Ohio EPA upon request.
3. The permittee shall burn only natural gas and shall charge only clean materials in this emissions unit. Compliance with this term will produce negligible SO₂ emissions.