



State of Ohio Environmental Protection Agency

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RE: **FINAL PERMIT TO INSTALL MODIFICATION CERTIFIED MAIL**
DEFIANCE COUNTY
Application No: 03-07860

	TOXIC REVIEW
	PSD
	SYNTHETIC MINOR
	CEMS
	MACT
	NSPS
	NESHAPS
	NETTING
	MAJOR NON-ATTAINMENT
	MODELING SUBMITTED
	GASOLINE DISPENSING FACILITY

DATE: 6/19/2003

GM Powertrain Group, Defiance Plant
William Schlatter
26437 St Rte 281 E
Defiance, OH 43512-0070

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
309 South Fourth Street, Room 222
Columbus, Ohio 43215

Sincerely

Michael W. Ahern, Supervisor
Field Operations and Permit Section
Division of Air Pollution Control

CC: USEPA

NWDO



FINAL ADMINISTRATIVE MODIFICATION OF PERMIT TO INSTALL 03-07860

Application Number: **03-07860**

APS Premise Number: **0320010001**

Permit Fee: **\$0**

Name of Facility: **GM Powertrain Group, Defiance Plant**

Person to Contact: **William Schlatter**

Address: **26437 St Rte 281 E
Defiance, OH 43512-0070**

Location of proposed air contaminant source(s) [emissions unit(s)]:
**26427 St Rte 281 E
Defiance, OHIO**

Description of modification:
grey iron foundry landfill.

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

GM Powertrain Group, Defiance Plant
PTI Application: 03-07860
Modification Issued: 6/19/2003

Facility ID: **0320010001**

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.

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 ninety (90) days after commencing operation of the source(s) covered by this permit.

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.

GM Powertrain Group, Defiance Plant

Facility ID: 0320010001

PTI Application: 03-07860

Modification Issued: 6/19/2003

AIR EMISSION SUMMARY

The air contaminant emissions units listed below comprise the Permit to Install for **GM Powertrain Group, Defiance Plant** located in **DEFIANCE** 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>
F003	Grey Iron Foundry Landfill	Compliance w/ the terms of this permit.	3745-31-05 3745-17-08 3745-17-07	PM 180 lbs/day (and ASTC's)

SUMMARY**TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS**

<u>Pollutant</u>	<u>Tons/Year</u>
PM	34.23*

* There will be no net increase in emissions from current landfill emissions.

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.

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 **Northwest District Office- DAPC, 347 North Dunbridge Road, P.O. Box 466, Bowling Green, Ohio 43402.**

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.

ADDITIONAL SPECIAL TERMS AND CONDITIONS

1. This modification to expand the existing landfill (F003) is not expected to change the amount of fugitive emissions coming from the landfill. Permit allowable emission limitations were established using AP-42 emission factors and calculations provided in the application by the company.

Most of the techniques identified by GMC Powertrain Division to control fugitive emissions in the landfill are already being used. GMC Powertrain Division is not asking to increase the amount of waste deposited in the landfill on a daily or yearly basis. This modification is to extend the life of the landfill only. If anything, there may be a slight decrease in fugitive emissions because of the installation of wind erosion fences specifically designed for landfills and better material handling practices.

2. The company shall be limited to the disposal of materials as specified in the solid waste PTI for the landfill (03-6546).
3. There shall be no visible particulate emissions, except for a period of time not to exceed 3 minutes during any 60 minute observation period, from any unpaved roadway located in the landfill. GMC Powertrain Division shall achieve compliance with this restriction by employing a combination of the following fugitive dust control measures:
 - A. Applying water or any other suitable dust suppressant; and
 - B. Speed reduction during dry road conditions;

All unpaved roads located in the landfill shall periodically be treated with water or other suitable dust suppressant in order to minimize or eliminate, at all times, visible emissions of fugitive dust generated by

vehicular traffic and/or wind. Frequencies for employing these control measures shall be on a “as needed” basis, i.e., whenever visible emissions of fugitive dust generated by vehicular traffic or wind are observed. No fugitive dust control measures are required for a road surface that is covered with snow and/or ice, or when precipitation occurs that is sufficient to eliminate visible emissions of fugitive dust. The use of water for fugitive dust control during periods when the temperature drops below freezing shall be at the company’s discretion. If the company chooses not to use water, another suitable dust suppressant must be utilized and/or work practices implemented, which effectively control fugitive dust in lieu of a dust suppressant.

GMC Powertrain Division has indicated the following, or similar equipment, will be used to comply with these requirements:

- A. Two 10,000 gallon water trucks; and
- B. One 5,000 gallon water truck(back up).

Compliance with the opacity restriction contained in this part shall be determined by conducting observations in accordance with the provisions of U.S. EPA Method 22.

- 4. In the event that equipment used for the control of fugitive dust from the roadways becomes inoperable and weather conditions are such that the company believes the remaining control measures may not be sufficient to comply with opacity restrictions for roadways, the company shall notify the NWDO, DAPC in accordance with the provisions of OAC 3745-15-06. The company shall make a reasonable effort to procure similar backup equipment should this situation occur. The malfunction of a control device does not cancel any violation that may have occurred.
- 5. In order to monitor weather conditions at the facility GMC Powertrain Division shall install, or have installed, a rain gauge and anemometer.
- 6. GMC Powertrain Division shall maintain daily records for the landfill that contain the following information:
 - A. The amount of rain that has occurred;
 - B. The number of hours the landfill was in operation;
 - C. The number of hours that water was applied to the landfill and its roadways and the amount applied; and
 - D. Wind speed, on an hourly basis.
- 7. GMC Powertrain Division shall ensure that all landfill wastes are deposited and spread in such a manner as to minimize or prevent visible emissions of dust. This facility shall require all truckloads of landfill wastes to be unloaded in a manner that will minimize the drop height of the landfill wastes. Any wastes likely to become airborne shall be watered as necessary in order to minimize or eliminate visible emissions of fugitive dust during dumping operations. No dusty material shall be dumped during periods of high wind

speed (excess of 25 mph) unless it has a moisture content sufficient to prevent it from becoming airborne. Visible emissions from these activities shall not exceed 20% opacity as a three-minute average. Compliance with the opacity restrictions contained in this part shall be determined by conducting observations in accordance with the provisions of U.S. EPA Method 9.

8. The trucks used to dump wastes in the landfill shall have their exhaust systems constructed so that they don't exhaust directly downward while dumping.
9. GMC Powertrain Division shall incorporate the following practices for controlling fugitive dust at their landfill:
 - A. All wastes shall be placed within perimeter berms which shall have exterior surfaces seeded or slagged within 180 days after completion of construction;
 - B. Minimize the surface area of the "working face";
 - C. Seed and/or cover with slag areas of the landfill that have not been worked on for more than 180 days;
 - D. Minimize vehicular traffic on the landfill and restrict it to predetermined routes
10. These records shall be maintained in the company's files at the facility for a period of at least three years and shall be available for inspection, upon request, by personnel from the Ohio EPA.