



State of Ohio Environmental Protection Agency

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RE: **FINAL PERMIT TO INSTALL MODIFICATION CERTIFIED MAIL**
HAMILTON COUNTY
Application No: 14-04486

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

DATE: 11/2/2000

Ford Motor Co - Sharonville
R C Clute
3000 Sharon Rd
Cincinnati, OH 452411924

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,

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

CC: USEPA

HCDES

FINAL ADMINISTRATIVE MODIFICATION OF PERMIT TO INSTALL 14-04486

Application Number: **14-04486**APS Premise Number: **1431140861**Permit Fee: **\$200**Name of Facility: **Ford Motor Co - Sharonville**Person to Contact: **R C Clute**Address: **3000 Sharon Rd****Cincinnati, OH 452411924**

Location of proposed air contaminant source(s) [emissions unit(s)]:

**3000 Sharon Rd
Cincinnati, OHIO**

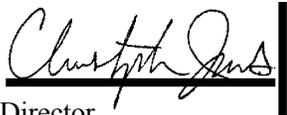
Description of modification:

Modification to PTI #14-04486 issued 03/25/1998 to change short term limitation of 0.14 lb NOx/mmBtu to 0.17 lb NOx/mmBtu when using #2 fuel oil.

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 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.

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Facility ID: 1431140861

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

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.

AIR EMISSION SUMMARY

The air contaminant emissions units listed below comprise the Permit to Install for **Ford Motor Co - Sharonville** located in **HAMILTON** 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>
B023	34.5 MMBtu/hour No. 2 oil and natural gas fired boiler (1-A)	Emissions limitations and the use of a low NO _x burners	40 CFR Part 60 Subpart Dc 3745-31-05 3745-17-07 3745-17-10 3745-18-37	0.02 lb/MMBtu & 3.0 TPY PM/PM ₁₀ ; 0.33 lb/MMBtu & 49.9 TPY SO ₂ ; 0.14 lb/MMBtu when burning natural gas & 0.17 lb/MMBtu when burning fuel oil No. 2 Combined annual NO _x emissions from both fuels shall not exceed 21.2 TPY; 0.1 lb/MMBtu 15.1 TPY CO; 0.006 lb/MMBtu & 0.9 TPY VOC.
B024	34.5 MMBtu/hour No. 2 oil and natural gas fired boiler (1-B)	Emissions limitations and the use of a low NO _x burners	40 CFR Part 60 Subpart Dc 3745-31-05 3745-17-07 3745-17-10 3745-18-37	0.02 lb/MMBtu & 3.0 TPY PM/PM ₁₀ ; 0.33 lb/MMBtu & 49.9 TPY SO ₂ ; 0.14 lb/MMBtu when burning natural gas & 0.17 lb/MMBtu when burning fuel oil No. 2 Combined annual NO _x emissions from both fuels shall not exceed 21.2 TPY; 0.1 lb/MMBtu 15.1 TPY CO;

<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>
B024 (Cont'd)				0.006 lb/MMBtu & 0.9 TPY VOC.

SUMMARY
TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS

<u>Pollutant</u>	<u>Tons/Year</u>
Organic Compound	1.8
PM	6.0
SO ₂	99.8
NO _x	42.4
CO	30.4

NSPS REQUIREMENTS

The following sources are subject to the applicable provisions of the New Source Performance Standards (NSPS) as promulgated by the United States Environmental Protection Agency, 40 CFR Part 60.

<u>Source Number</u>	<u>Source Description</u>	<u>NSPS Regulation (Subpart)</u>
B023	34.5 MMBtu/hour No. 2 Oil and Natural Gas Fired Boiler	Dc
B024	34.5 MMBtu/hour No. 2 Oil and Natural Gas Fired Boiler	Dc

The application and enforcement of these standards are delegated to the Ohio EPA. The requirements of 40 CFR Part 60 are also federally enforceable.

Pursuant to the NSPS, the source owner/operator is hereby advised of the requirement to report the following at the appropriate times:

- a. construction date (no later than 30 days after such date);
- b. anticipated start-up date (not more than 60 days or less than 30 days prior to such date);

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- c. actual start-up date (within 15 days after such date); and
- d. date of performance testing (If required, at least 30 days prior to testing).

Reports are to be sent to:

Ohio Environmental Protection Agency
DAPC - Air Quality Modeling and Planning
P.O. Box 1049
Columbus, OH 43216-1049

and Hamilton County Dept. of Env. Services
1632 Central Parkway
Cincinnati, Ohio 45210

REPORTING REQUIREMENTS

Unless otherwise specified, reports required by the Permit to Install need only be submitted to Hamilton County Dept. of Env. Services, 1632 Central Parkway, Cincinnati, Ohio 45210.

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 Hamilton County Dept. of Env. Services, 1632 Central Parkway, Cincinnati, Ohio 45210.

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

A. Applicable Emission Limitations and/or Control Requirements

1. The pound/MMBtu and ton per year limitations for emissions unit B023 and B024 are listed in the Air Emission Summary page.
2. Visible particulate emissions shall not exceed 20 percent opacity (6-minute average), except for one 6-minute period per hour of not more than 27 percent opacity.

B. Operational Restrictions

1. The permittee shall install and maintain a Low-NO_x burner at all times when operating emissions units B023 and B024 on natural gas.
2. Start up of emissions units B023 and B024, shall be concurrent with the complete and permanent shutdown of Ohio EPA emissions unit B001.
3. The quality of the oil burned in emissions unit B023 and B024 shall meet the following specifications on an "as received" basis:
 - a. a sulfur content not to exceed 0.3 percent or which is sufficient to comply with the allowable sulfur dioxide emission limitation of 0.33 pound sulfur dioxide/MMBtu actual heat input.

Compliance with the above-mentioned specifications shall be determined by using the analytical results provided by the permittee or oil supplier for each shipment of oil.

C. Monitoring and/or Record keeping Requirements

1. The permittee shall maintain daily records of the quantity of oil (in gallons) and natural gas (MMft³) used.
2. For each shipment of oil received for burning in this emissions unit, the permittee shall maintain records of the name of the oil supplier, the total quantity of oil received and the permittee's or oil supplier's analyses for sulfur content and heat content.
3. The permittee shall maintain monthly records of the NO_x emissions in TPY from both natural gas and No. 2 fuel oil.

D. Reporting Requirements

1. The permittee shall submit, on a quarterly basis, copies of the permittee's or oil supplier's analyses for each shipment of oil which is received for burning in this emissions unit. The permittee's or oil supplier's analyses shall document the sulfur content (percent) and heat content (Btu/gallon) for each shipment of oil. The following information shall also be included with the copies of the permittee's or oil supplier's analyses:
 - a. the total quantity of oil received in each shipment (gallons);
 - b. the weighted* average sulfur dioxide emission rate (pounds/MMBtu) for the oil received during the calendar month; and,
 - c. the weighted* average heat content (Btu/gallon) of the oil received during the calendar month.

*In proportion to the quantity of oil received in each shipment during the calendar month.

These quarterly reports shall be submitted by February 15, May 15, August 15, and November 15 of each year and shall cover the oil shipments received during the previous calendar quarters.

2. The permittee shall also submit annual reports which specify the total NO_x, SO₂, and CO emissions from this emissions unit for the previous calendar year. These reports shall be submitted by January 31 of each year.
3. The permittee shall submit required reports in the following manner:
 - a. reports of any required monitoring and/or record keeping information shall be submitted to the Hamilton County Department of Environmental Services; and,
 - b. 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 record keeping 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 Hamilton County Department of Environmental Services. If no deviations occurred during a calendar quarter the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter.

The reports shall be submitted quarterly, i.e., January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.)

E. Testing Requirements

1. Compliance with visible particulate emission limitations shall be demonstrated by the methods outlined in USEPA Reference Method 9.
2. Compliance with the sulfur limitations shall be determined by the fuel oil analysis.
3. Compliance with the emission limitations outlined in this permit shall be demonstrated by the emission factors, control efficiencies (if applicable) and the operational parameters as submitted in PTI No. 14-04486 submitted October 30, 1997.

F. Miscellaneous Requirements

1. Upon start up of emissions units B023 and B024, the permittee shall shut down permanently emissions unit B001, which is a 97.5 MMBtu/hour coal fired boiler. With the installation of emissions units B023 and B024 and the permanent shut down of emissions unit B001, the permittee shall at no time violate the netting calculation that was performed to avoid federal Prevention Significant Deterioration regulations.