



State of Ohio Environmental Protection Agency

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09/04/97

CERTIFIED MAIL

RE: Draft Title V Chapter 3745-77 permit

14-31-14-0861
Ford Motor Company
Robert C. Clute
3000 Sharon Road
Cincinnati, OH 45241

Dear Robert C. Clute:

You are hereby notified that the Ohio Environmental Protection Agency has prepared the enclosed draft of the Title V permit for the facility referenced above. The purpose of this draft is to solicit public comments. A public notice concerning the draft will appear in the Ohio EPA Weekly Review and the major newspaper in the county where the facility is located. Comments and/or a request for a public hearing from the public and any affected parties will be accepted by Hamilton County Dept. of Environmental Services within 30 days of the date of publication in the newspaper. You will be notified in writing if a public hearing is scheduled.

A decision on processing the Title V permit will be made after consideration of written public comments and oral testimony (if a public hearing is conducted). After the comment period, you will be provided with a Preliminary Proposed Title V permit and an opportunity to comment prior to the Proposed Title V permit submittal to USEPA.

If you have any questions or comments concerning this draft Title V permit, please contact Hamilton County Dept. of Environmental Services.

Very truly yours,

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

cc: USEPA
Jim Orlemann, DAPC Engineering
Michael Ahern, DAPC PMU
Hamilton County Dept. of Environmental Services
Indiana
Kentucky



Ohio EPA

State of Ohio Environmental Protection Agency

TITLE V PERMIT

Issue Date: 09/04/97

DRAFT

Effective Date:

Expiration Date:

This document constitutes issuance to:

Ford Motor Company
3000 Sharon Road
Cincinnati, OH 45241

of a Title V permit for Facility ID: 14-31-14-0861

Emissions Unit ID (Company ID)/
Emissions Unit Activity Description:

B001 (Boiler #1)
Boiler #1, 97.5 MMBtu/Hr

B002 (Boiler #2)
Boiler #2, 97.5 MMBtu/Hr

B003 (Boiler #3)
Boiler #3, 146.5 MMBtu/Hr

You will be contacted approximately eighteen (18) months prior to the expiration date regarding the renewal of this permit. If you are not contacted, please contact the appropriate Ohio EPA District Office or local air agency listed below. This permit and the authorization to operate the air contaminant sources (emissions units) at this facility shall expire at midnight on the expiration date shown above. If a renewal permit is not issued prior to the expiration date, the permittee may continue to operate pursuant to OAC rule 3745-77-04(A) and in accordance with the terms of this permit beyond the expiration date, provided that a complete renewal application is submitted no earlier than eighteen (18) months and no later than one-hundred eighty (180) days prior to the expiration date.

Described below is the current Ohio EPA District Office or local air agency that is responsible for processing and administering your Title V permit:

Hamilton County Dept. of Environmental Services
1632 Central Parkway
Cincinnati, OH 45210
(513) 651-9437

OHIO ENVIRONMENTAL PROTECTION AGENCY

Director

PART I - GENERAL TERMS AND CONDITIONS

A. State and Federally Enforceable Section

1. Monitoring and Related Recordkeeping and Reporting Requirements

- a. Except as may otherwise be provided in the terms and conditions for a specific emissions unit, the permittee shall maintain records that include the following, where applicable, for any required monitoring under this permit:
 - i. The date, place (as defined in the permit), and time of sampling or measurements.
 - ii. The date(s) analyses were performed.
 - iii. The company or entity that performed the analyses.
 - iv. The analytical techniques or methods used.
 - v. The results of such analyses.
 - vi. The operating conditions existing at the time of sampling or measurement.
- b. 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 all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. Such records may be maintained in computerized form.
- c. Except as may otherwise be provided in the terms and conditions for a specific emissions unit, the permittee shall submit required reports in the following manner:
 - i. Reports of any required monitoring and/or recordkeeping information shall be submitted to the appropriate Ohio EPA District Office or local air agency.
 - ii. Quarterly written reports of (i) any deviations from federally enforceable emission limitations, operational restrictions, and control device operating parameter limitations, excluding deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06, that have been detected by the testing, monitoring and recordkeeping requirements specified in this permit, (ii) the probable cause of such deviations, and (iii) any corrective actions or preventive measures taken, shall be promptly made to the appropriate Ohio EPA District Office or local air agency. These quarterly written reports shall satisfy the requirements of OAC rule 3745-77-07(A)(3)(c)(i) and (ii) pertaining to the submission of monitoring reports every six months and OAC rule 3745-77-07(A)(3)(c)(iii) pertaining to the prompt reporting of all deviations except malfunctions, which shall be reported in accordance with OAC rule 3745-15-06.

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., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters.

- iii. Written reports, which identify any deviations from the federally enforceable monitoring, recordkeeping, and reporting requirements contained in this permit shall be submitted to the appropriate Ohio EPA District Office or local air agency every six months, i.e., by January 31 and July 31 of each year for the previous six calendar months. These semi-annual written reports shall satisfy the requirements of OAC rule 3745-77-07(A)(3)(c)(i) and (ii) pertaining to the reporting of any deviations related to the monitoring, recordkeeping, and reporting requirements. If no deviations occurred during a six-month period, the permittee shall submit a semi-annual report, which states that no deviations occurred during that period.
- iv. Each written report shall be signed by a responsible official certifying that, based on information and belief formed after reasonable inquiry, the statements and information in the report are true, accurate, and complete.

2. Scheduled Maintenance/Malfunction Reporting

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. The malfunction, i.e., upset, of any emissions units or any associated air pollution control system(s) shall be reported to the appropriate Ohio EPA District Office or local air agency in accordance with paragraph (B) of OAC rule 3745-15-06. (The definition of an upset condition shall be the same as that used in OAC rule 3745-15-06(B)(1) for a malfunction.) The verbal and written reports submitted pursuant to OAC rule 3745-15-06 shall satisfy the requirements of OAC rule 3745-77-07(A)(3)(c)(iii) pertaining to the prompt reporting of deviations caused by malfunctions or upsets.

Except as provided in that rule, any scheduled maintenance or malfunction necessitating the shutdown or bypassing of any air pollution control system(s) shall be accompanied by the shutdown of the emission unit(s) that is (are) served by such control system(s).

3. Risk Management Plans

If the permittee is required to develop and register a risk management plan pursuant to section 112(r) of the Clean Air Act, as amended, 42 U.S.C. 7401 et seq. ("Act"), the permittee shall comply with the requirement to register such a plan.

4. Title IV Provisions

If the permittee is subject to the requirements of 40 CFR Part 72 concerning acid rain, the permittee shall ensure that any affected emissions unit complies with those requirements. Emissions exceeding any allowances that are lawfully held under Title IV of the Act, or any regulations adopted thereunder, are prohibited.

5. Severability Clause

A determination that any term or condition of this permit is invalid shall not invalidate the force or effect of any other term or condition thereof, except to the extent that any other term or condition depends in whole or in part for its operation or implementation upon the term or condition declared invalid.

6. General Requirements

- a. The permittee must comply with all terms and conditions of this permit. Any noncompliance with the federally enforceable terms and conditions of this permit constitutes a violation of the Act, and is grounds for enforcement action or for permit revocation, revocation and reissuance, or modification, or for denial of a permit renewal application.
- b. It shall not be a defense for the permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the federally enforceable terms and conditions of this permit.
- c. This permit may be modified, reopened, revoked, or revoked and reissued, for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or revocation, or of a notification of planned changes or anticipated noncompliance does not stay any term and condition of this permit.
- d. This permit does not convey any property rights of any sort, or any exclusive privilege.
- e. The permittee shall furnish to the Director of the Ohio EPA, or an authorized representative of the Director, upon receipt of a written request and within a reasonable time, any information that may be requested to determine whether cause exists for modifying, reopening or revoking this permit or to determine compliance with this permit. Upon request, the permittee shall also furnish to the Director or an authorized representative of the Director, copies of records required to be kept by this permit. For information claimed to be confidential in the submittal to the Director, if the Administrator of the U.S. EPA requests such information, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality.

7. Fees

The permittee shall pay fees to the Director of the Ohio EPA in accordance with ORC section 3745.11 and OAC Chapter 3745-78.

8. Marketable Permit Programs

No revision of this permit is required under any approved economic incentive, marketable permits, emissions trading, and other similar programs or processes for changes that are provided for in this permit.

9. Reasonably Anticipated Operating Scenarios

The permittee is hereby authorized to make changes among operating scenarios authorized in this permit without notice to the Ohio EPA, but, contemporaneous with making a change from one operating scenario to another, the permittee must record in a log at the permitted facility the scenario under which the permittee is operating. The permit shield provided in these general terms and conditions shall apply to all operating scenarios authorized in this permit.

10. Reopening for Cause

This Title V permit will be reopened prior to its expiration date under the following conditions:

- a. Additional applicable requirements under the Act become applicable to one or more emissions units covered by this permit, and this permit has a remaining term of three or more years. Such a reopening shall be completed not later than eighteen months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions has been extended pursuant to paragraph (E)(1) of OAC rule 3745-77-07.
- b. This permit is issued to an affected source under the acid rain program and additional requirements (including excess emissions requirements) become applicable. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into the permit, and shall not require a reopening of this permit.
- c. The Director of the Ohio EPA or the Administrator of the U.S. EPA determines that the federally applicable requirements in this permit are based on a material mistake, or that inaccurate statements were made in establishing the emissions standards or other terms and conditions of this permit related to such federally applicable requirements.
- d. The Administrator of the U.S. EPA or the Director of the Ohio EPA determines that this permit must be revised or revoked to assure compliance with the applicable requirements.

11. Federal and State Enforceability

Only those terms and conditions designated in this permit as federally enforceable, that are required under the Act, or any of its applicable requirements, including relevant provisions designed to limit the potential to emit of a source, are enforceable by the Administrator of the U.S. EPA, the State, and citizens under the Act. All other terms and conditions of this permit shall not be federally enforceable and shall be enforceable under State law only.

12. Compliance Requirements

- a. Any document (including reports) required to be submitted and required by a federally applicable requirement in this Title V permit shall include a certification by a responsible official that, based on information and belief formed after reasonable inquiry, the statements in the document are true, accurate, and complete.
- b. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the Director of the Ohio EPA or an authorized representative of the Director to:
 - i. At reasonable times, enter upon the permittee's premises where a source is located or the emissions-related activity is conducted, or where records must be kept under the conditions of this permit.
 - ii. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit, subject to the protection from disclosure to the public of confidential information consistent with paragraph (E) of OAC rule 3745-77-03.

- iii. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit.
 - iv. As authorized by the Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit and applicable requirements.
- c. The permittee shall submit progress reports to the appropriate Ohio EPA District Office or local air agency concerning any schedule of compliance for meeting an applicable requirement. Progress reports shall be submitted semiannually, or more frequently if specified in the applicable requirement or by the Director of the Ohio EPA. Progress reports shall contain the following:
- i. Dates for achieving the activities, milestones, or compliance required in any schedule of compliance, and dates when such activities, milestones, or compliance were achieved.
 - ii. An explanation of why any dates in any schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.
- d. Compliance certifications concerning the terms and conditions contained in this permit that are federally enforceable emission limitations, standards, or work practices, shall be submitted to the appropriate Ohio EPA District Office or local air agency in the following manner and with the following content:
- i. Compliance certifications shall be submitted annually on a calendar year basis. The annual certification shall be submitted on or before March 15th of each year during the permit term.
 - ii. Compliance certifications shall include the following:
 - (a) An identification of each term or condition of this permit that is the basis of the certification.
 - (b) The permittee's current compliance status.
 - (c) Whether compliance was continuous or intermittent.
 - (d) The method(s) used for determining the compliance status of the source currently and over the required reporting period.
 - (e) Such other facts as the Director of the Ohio EPA may require in the permit to determine the compliance status of the source.
 - iii. Compliance certifications shall contain such additional requirements as may be specified pursuant to sections 114(a)(3) and 504(b) of the Act.

13. Permit Shield

- a. Compliance with the terms and conditions of this permit (including terms and conditions established for alternate operating scenarios, emissions trading, and emissions averaging, but excluding terms and conditions for which the permit shield is expressly prohibited under OAC rule 3745-77-07) shall be deemed compliance with the applicable requirements identified and addressed in this permit as of the date of permit issuance.

- b. This permit shield provision shall apply to any requirement identified in this permit pursuant to OAC rule 3745-77-07(F)(2), as a requirement that does not apply to the source or to one or more emissions units within the source.

14. Operational Flexibility

The permittee is authorized to make the changes identified in OAC rule 3745-77-07(H)(1)(a) to (H)(1)(c) within the permitted stationary source without obtaining a permit revision, if such change is not a modification under any provision of Title I of the Act [as defined in OAC rule 3745-77-02(JJ)], and does not result in an exceedance of the emissions allowed under this permit (whether expressed therein as a rate of emissions or in terms of total emissions), and the permittee provides the Administrator of the U.S. EPA and the appropriate Ohio EPA District Office or local air agency with written notification within a minimum of seven days in advance of the proposed changes, unless the change is associated with, or in response to, emergency conditions. If less than seven days notice is provided because of a need to respond more quickly to such emergency conditions, the permittee shall provide notice to the Administrator of the U.S. EPA and the appropriate District Office of the Ohio EPA or local air agency as soon as possible after learning of the need to make the change. The notification shall contain the items required under OAC rule 3745-77-07(H)(2)(d).

15. Emergencies

The permittee shall have an affirmative defense of emergency to an action brought for noncompliance with technology-based emission limitations if the conditions of OAC rule 3745-77-07(G)(3) are met. This emergency defense provision is in addition to any emergency or upset provision contained in any applicable requirement.

16. Off Permit Changes

The owner or operator of a Title V source may make any change in its operations or emissions at the source that is not specifically addressed or prohibited in the Title V permit, without obtaining an amendment or modification of the permit, provided that the following conditions are met:

- a. The change does not result in conditions that violate any applicable requirements or that violate any existing federally enforceable permit term or condition;
- b. The permittee provides contemporaneous written notice of the change to the director and the administrator, except that no such notice shall be required for changes that qualify as insignificant emission levels or activities as defined in OAC rule 3745-77-01(U). Such written notice shall describe each such change, the date of such change, any change in emissions or pollutants emitted, and any federally applicable requirement that would apply as a result of the change;
- c. The change shall not qualify for the permit shield under OAC rule 3745-77-07(F);
- d. The permittee shall keep a record describing all changes made at the source that result in emissions of a regulated air pollutant subject to an applicable requirement, but not otherwise regulated under the permit, and the emissions resulting from those changes; and
- e. The change is not subject to any applicable requirement under Title IV of the Act or is not a modification under any provision of Title I of the Act.

Paragraph (I) of rule 3745-77-07 of the Administrative Code applies only to modification or amendment of the permittee's Title V permit. The change made may require a permit to install under Chapter 3745-31 of the Administrative Code if the change constitutes a modification as defined in that Chapter. Nothing in paragraph (I) of rule 3745-77-07 of the Administrative Code shall affect any applicable obligation under Chapter 3745-31 of the Administrative Code.

(For further clarification, the permittee can refer to Engineering Guide #63 that is available in their STARSHIP software package.)

B. State Only Enforceable Section

1. Permit to Install Requirement

Prior to the “installation” or “modification” of any “air contaminant source,” as those terms are defined in OAC rule 3745-31-01, a permit to install must be obtained from the Ohio EPA pursuant to OAC Chapter 3745-31.

2. Reporting Requirements Related to Monitoring and Recordkeeping Requirements

The permittee shall submit required reports in the following manner:

- a. Reports of any required monitoring and/or recordkeeping information shall be submitted to the appropriate Ohio EPA District Office or local air agency.
- 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 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 appropriate Ohio EPA District Office or local air agency. 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., by 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.)

3. Records Retention Requirements

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 for continuous monitoring instrumentation, and copies of all reports required by this permit. Such records may be maintained in computerized form.

4. Inspections and Information Requests

The Director of the Ohio EPA, or an authorized representative of the Director, may, subject to the safety requirements of the permittee and without undue delay, enter upon the premises of this source at any reasonable time for purposes of making inspections, conducting tests, examining records or reports pertaining to any emission of air contaminants, and determining compliance with any applicable State air pollution laws and regulations and the terms and conditions of this permit. The permittee shall furnish to the Director of the Ohio EPA, or an authorized representative of the Director, upon receipt of a written request and within a reasonable time, any information that may be requested to determine whether cause exists for modifying, reopening or revoking this permit or to determine compliance with this permit. Upon verbal or written request, the permittee shall also furnish to the Director of the Ohio EPA, or an authorized representative of the Director, copies of records required to be kept by this permit.

5. Scheduled Maintenance/Malfunction Reporting

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. The malfunction of any emissions units or any associated air pollution control system(s) shall be reported to the appropriate Ohio EPA District Office or local air agency in accordance with paragraph (B) of OAC rule 3745-15-06. Except as provided in that rule, any scheduled maintenance or malfunction necessitating the shutdown or bypassing of any air pollution control system(s) shall be accompanied by the shutdown of the emissions unit(s) that is (are) served by such control system(s).

6. Permit Transfers

Any transferee of this permit shall assume the responsibilities of the prior permit holder. The appropriate Ohio EPA District Office or local air agency must be notified in writing of any transfer of this permit.

7. Air Pollution Nuisance

The air contaminants emitted by the emissions units covered by this permit shall not cause a public nuisance, in violation of OAC rule 3745-15-07.

Part II - Specific Facility Terms and Conditions

A. State and Federally Enforcable Section

- 1. None**

B. State Only Enforceable Section

1. The following insignificant emissions unit(s) are located at this facility:

- B004 Gas Fired Furnace
- B006 Gas Fired Furnace
- B007 Gas Fired Furnace
- B009 Gas Fired Furnace
- B011 Gas Fired Furnace
- B020 Emergency Diesel Fire Pumps
- B021 Emergency Diesel Generator
- B022 Pusher Furnace
- F001 Coal Handling System
- F002 Parking Lot and Roadways
- G001 GDF
- P014 Submerged Welders
- P015 ArcWelders
- P018 Spot Welders
- P022 Seam Welders
- P023 Arc Welders
- P029 Arc Welders
- P030 Shot Blast Machine
- P043 Shot Blast Machine
- P044 Gas Fired Furnace
- P045 Gas Fired Furnace
- P048 Band Welders
- P054 thru P063 Various Machining Operations
- P064 and P065 Shot Blasters
- P066 Various Machining Operations
- P068 Various Machining Operations
- P072 thru P078 Various Machining Operations
- P080 thru P089 Various Machining Operations
- P091 and P092 Various Machining Operations
- P096 Shot Blaster
- P098 Various Machining Operations
- P099 Mig Welder
- P100 thru P104 Various Machining Operations
- P106 thru P109 Various Machining Operations
- P111 and P112 Welders
- P113 Various Machining Operations
- P114 Pusher Furnace
- P115 Welder
- P118 thru P123 Various Machining Operations
- P125 Various Machining Operations
- P129 and P130 Machine Tool Sharpening
- P131 Various Machining Operations

- B. State Only Enforceable Section**
- P133 Various Machining Operations
 - P135 Various Machining Operations
 - P138 Various Machining Operations
 - P139 Maintenance Tool Sharpening
 - P140 thru P147 Various Machining Operations
 - P153 and P154 Various Machining Operations
 - P158 thru P165 Various Machining Operations
 - P167 Cardboard Shredder
 - P169 and P170 Various Machining Operations

 - T001 and T002 Bulk Transmission Fluid Tanks
 - T003 Mineral Oil Tank
 - T004 Mineral Seal Oil Tank
 - T005 Spindle Oil Tank
 - T006 and T007 Hydraulic Oil Tanks
 - T008 Torque Oil Tank
 - T009 Cutting Oil Tank
 - T010 Lube Oil Tank
 - T011 Soluble Oil Tank
 - T016 and T017 No.2 Fuel Oil Tank
 - X001 Transfer Machines
 - X002 Bores Group
 - X004 Transfer Machine
 - X005 Bores Group
 - Z001 Generators
 - Z002 Heat Treat Furnace
 - Z003 Oil Water Separator
 - Z004 Lab. Fume Hoods
 - Z005 Tank Farm
 - Z006 Blanker and Heavy Presses
 - Z007 Waste Water Tanks
 - Z008 Emergency Diesel Generator
 - Z010 Maintenance Parts Cleaners

Each insignificant emissions unit at this facility must comply with all applicable State and federal regulations, as well as any emission limitations and/or control requirements contained within a permit to install for the emissions unit.

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Boiler #1 (B001)

Activity Description: Boiler #1, 97.5 MMBtu/Hr

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

- The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
97.5 MMBtu/hr Coal Fired Boiler with Multiclone and Fabric Filter (Boiler #1).	OAC 3745-17-07(A)	Visible emissions shall not exceed 20% opacity, as a six-minute average, except as provided by rule.
	OAC 3745-17-10(C)(1)	0.14 LB PM/MMBtu of actual heat input.
	OAC 3745-18-37(V)(1)	1.7 LBS SO ₂ /MMBtu of actual heat input.

2. Additional Terms and Conditions

- None**

II. Operational Restrictions

- The total combined heat input from emissions units B001, B002 and B003 shall not exceed a daily average operating rate of 244 MMBtu per hour. This total heat input of 244 MMBtu per hour corresponds to a combined steam load of 200,000 pounds per hour (based upon an average over any calendar day).

II. Operational Restrictions (continued)

2. The quality of the coal burned in this emissions unit shall meet the following specifications on an as-received basis:
 - a. A combination of ash content and heat content sufficient to comply with the PM emission limitation of 0.14 LB PM/MMBtu of actual heat input.
 - b. A combination of sulfur content and heat content which is sufficient to comply with the allowable sulfur dioxide emission limitation of 1.7 LBS SO₂/MMBtu of actual heat input.

Compliance with the above-mentioned specifications shall be determined by using a weighted, arithmetic average of the analytical results provided by the permittee or coal supplier for all shipments of coal during each calendar month.

III. Monitoring and/or Record Keeping Requirements

1. Coal Sampling and Analysis:

The permittee shall collect a representative sample of each shipment of coal which is received for burning. The coal sampling shall be performed in accordance with ASTM method D2234, Collection of a Gross Sample of Coal. At the end of each calendar month, the representative samples of coal from all shipments of coal which were received during that calendar month shall be combined into one composite sample.

Each monthly composite sample of coal shall be analyzed for ash content (percent), sulfur content (percent), and heat content (Btu/pound of coal). The analytical methods for ash content, sulfur content and heat content shall be: ASTM method D3174, Ash in the Analysis of Coal and Coke; ASTM method D3177, Total Sulfur in the Analysis Sample of Coal and Coke or ASTM method D4239, Sulfur in the Analysis Sample of Coal and Coke Using High Temperature Tube Furnace Combustion Methods; and ASTM method D2015, Gross Calorific Value of Solid Fuel by the Adiabatic Bomb Calorimeter, ASTM method D3286, Gross Calorific Value of Coal and Coke by the Isothermal Bomb Calorimeter, or ASTM method D1989, Standard Test Method for Gross Calorific Value of Coal and Coke by Microprocessor Controlled Isoperibol Calorimeters, respectively. Alternative, equivalent methods may be used upon written approval from the appropriate Ohio EPA District Office or local air agency.

III. Monitoring and/or Record Keeping Requirements (continued)

2. Coal Usage and SO₂ Emission Rate:

The permittee shall maintain monthly records of the following:

- a. the total quantity of coal received,
- b. the results of the analyses for ash content,
- c. the results of the analyses for sulfur content,
- d. the results of the analyses for heat content, and
- e. the average SO₂ emission rate (in LBS/MMBtu) calculated pursuant to equation in OAC rule 3745-18-04(G)(1).

3. The permittee shall maintain and operate a continuous monitor and recorder for the steam flow rate from emissions units B001, B002 and B003.

4. Continuous Emission Monitoring System:

The permittee shall operate and maintain existing equipment to continuously monitor and record the opacity of the particulate emissions from this emissions unit. Such continuous monitoring and recording equipment shall comply with the requirements specified in 40 CFR Part 60.13.

The permittee shall maintain records of the following data obtained by the continuous opacity monitoring system: percent opacity on a 6-minute block average basis, results of daily zero/span calibration checks, and magnitude of manual calibration adjustments.

The continuous emission monitoring system consists of all the equipment used to acquire data and includes the sample extraction and transport hardware, sample conditioning hardware, analyzers, and data recording/processing hardware and software.

5. Continuous Opacity Monitoring - Certified Systems
Statement of Certification:

The permittee shall maintain a statement of certification of the existing continuous opacity monitoring system on site which consists of a letter from the Ohio EPA detailing the results of an Agency review of the certification tests and a statement by the Agency that the system is considered certified in accordance with the requirements of 40 CFR Part 60, Appendix B, Performance Specification 1. Proof of certification shall be made available to the Director (the appropriate Ohio EPA District Office or local air agency) upon request.

III. Monitoring and/or Record Keeping Requirements (continued)

6. Quality Assurance/Quality Control for Continuous Opacity Monitor:

Within 180 days of the effective date of this permit, the permittee shall develop a written quality assurance/quality control plan for the continuous opacity monitoring system designed to ensure continuous valid and representative readings of opacity. The plan shall include, as a minimum, conducting and recording daily automatic zero/span checks, provisions for conducting a quarterly audit of the continuous opacity monitoring system, and a description of preventive maintenance activities. The plan shall describe step by step procedures for ensuring that sections 7.1.4, 7.4.1, 7.4.2, and Table 1-1 of Performance Specification 1 are maintained on a continuous basis. The quality assurance/quality control plan and a logbook dedicated to the continuous opacity monitoring system must be kept on site and available for inspection during regular office hours.

IV. Reporting Requirements

- 1.** The permittee shall submit quarterly reports concerning the quality and quantity of coal received for burning in this emissions unit. These reports shall include the following information for the emissions unit for each calendar month during the calendar quarter:
 - a. the total quantity of coal received (tons);
 - b. the average ash content (percent) of the coal received;
 - c. the average sulfur content (percent) of the coal received;
 - d. the average heat content (Btu/pound) of the coal received; and
 - e. the average SO₂ emission rate (LBS SO₂/MMBtu of actual heat input) from the coal received.

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

IV. Reporting Requirements (continued)

2. The permittee shall submit reports (hardcopy or electronic format) within 30 days following the end of each calendar quarter to the appropriate Ohio EPA District Office or local air agency documenting all instances of opacity values in excess of the limitations specified in OAC rule 3745-17-07, detailing the date, commencement and completion times, duration, magnitude (percent opacity), reason (if known), and corrective actions taken (if any) of each 6-minute block average above the applicable opacity limitation(s).

The permittee shall submit reports within 30 days following the end of each calendar quarter to the appropriate Ohio EPA District Office or local air agency documenting any continuous opacity monitoring system downtime while the emissions unit was on line (date, time, duration and reason) along with any corrective action(s) taken. The permittee shall provide the emissions unit operating time during the reporting period and the date, time, reason, and corrective action(s) taken for each time period of emissions unit and control equipment malfunctions. The total operating time of the emissions unit and the total operating time of the analyzer while the emissions unit was on line shall be included in the quarterly report.

If there are no excess emissions during the calendar quarter, the permittee shall submit a statement to that effect along with the emissions unit operating time during the reporting period and the date, time, reason, and corrective action(s) taken for each time period of emissions unit, control equipment, and/or monitoring system malfunctions. The total operating time of the emissions unit and the total operating time of the analyzer while the emissions unit was on line also shall be included in the quarterly report. These quarterly excess emission reports shall be submitted by January 30, April 30, July 30, and October 30 of each year and shall address the data obtained during the previous calendar quarter.

3. The permittee shall submit deviation (excursion) reports which identify any exceedance of the 200,000 pounds of steam per hour (based upon a daily average) limitation. Each report shall be submitted to the Director or his representative within five business days after the exceedance and shall contain the following information:
 - a. the date of the exceedance;
 - b. the time interval over which the exceedance occurred;
 - c. the value of the exceedance;
 - d. the cause(s) of the exceedance;
 - e. the corrective action which has been or will be taken to prevent similar exceedance(s) in the future; and
 - f. a copy of the steam chart that shows the exceedance(s).

V. Testing Requirements

1. Visible Emissions:

Compliance with OAC 3745-17-07(A) shall be demonstrated by methods outlined in OAC 3745-10-07(B)(3).

2. Particulate Emission Limitation:

The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:

- a. The emission testing shall be conducted 2.5 years after the issuance of this permit.
- b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate of 0.14 lb PM/MMBtu of actual heat input.
- c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s):

Method 5 40 CFR Part 60, Appendix A.

- d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency.

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test(s).

Personnel from the appropriate Ohio EPA District Office or local air agency shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s).

Facility Name: **FORD MOTOR COMPANY SHARONVILLE TRANSMISSI**
Facility ID: **14-31-14-0861**
Emissions Unit: **Boiler #1 (B001)**

V. Testing Requirements (continued)

- 3.** Sulfur Dioxide Limitation:
 - a. Compliance with OAC 3745-18-37(V)(1) shall be demonstrated by the recordkeeping requirements in section A.III.1. and the method outlined in OAC 3745-18-04(G)(1).
 - b. If testing is required to demonstrate compliance with the allowable emission limitation of 1.7 LBS SO₂/MMBtu of actual heat input then, testing shall be conducted using the following method:

Method 6 of 40 CFR Part 60, Appendix A.

VI. Miscellaneous Requirements

- 1. None**

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
97.5 MMBtu/hr Coal Fired Boiler with Multiclone and Fabric Filter (Boiler #1).		

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Boiler #2 (B002)
Activity Description: Boiler #2, 97.5 MMBtu/Hr

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

- The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
97.5 MMBtu/hr Coal Fired Boiler with Multiclone and Fabric Filter (Boiler #2, backup fuels: natural gas, No. 2 Oil, and Waste Oil).	OAC 3745-17-07(A)	Visible emissions shall not exceed 20% opacity, as a six-minute average, except as provided by rule.
	OAC 3745-17-10(C)(1)	0.14 LB PM/MMBtu of actual heat input, when fired with coal.
	OAC 3745-18-37(V)(1)	1.7 LBS SO2/MMBtu of actual heat input.
	OAC 3745-17-10(B)(1)	0.020 LB PM/MMBtu of actual heat input, when fired only with natural gas, No. 2 oil, and/or waste oil.

2. Additional Terms and Conditions

2. **None**

II. Operational Restrictions

- The total combined heat input from emissions units B001, B002 and B003 shall not exceed a daily average operating rate of 244 MMBtu per hour. This total heat input of 244 MMBtu per hour corresponds to a combined steam load of 200,000 pounds per hour (based upon an average over any calendar day).

II. Operational Restrictions (continued)

2. The quality of the coal burned in this emissions unit shall meet the following specifications on an as-received basis:
 - a. A combination of ash content and heat content sufficient to comply with the PM emission limitation of 0.14 LB PM/MMBtu of actual heat input.
 - b. A combination of sulfur content and heat content which is sufficient to comply with the allowable sulfur dioxide emission limitation of 1.7 LBS SO₂/MMBtu of actual heat input.

Compliance with the above-mentioned specifications shall be determined by using a weighted, arithmetic average of the analytical results provided by the permittee or coal supplier for all shipments of coal during each calendar month.

3. The quality of the No. 2 and waste oil burned in this emissions unit shall meet a sulfur content that is sufficient to comply with the allowable SO₂ emission limit specified in section A.I. above.
4. Prior to receiving any shipment of waste oil for combustion in this emissions unit, the permittee shall perform the reporting requirements in section A.IV.5. of this permit.
5. All waste oil burned in this emissions unit shall meet the following specifications:

Contaminant/Property	Allowable Concentration
Arsenic	5 ppm, maximum
Cadmium	2 ppm, maximum
Chromium	10 ppm, maximum
Lead	100 ppm, maximum
PCB's	50 ppm, maximum
Total Halogens	6000 ppm, maximum
Mercury	1 ppm, maximum
Flash Point	100 degrees F, minimum
Heat Content	120,000 Btu/gallon, minimum

Waste oil containing more than 1000 ppm total halogens is presumed to be a hazardous waste under the rebuttable presumption provided under paragraph C of OAC rule 3745-58-50. Therefore, the permittee may receive and burn waste oil exceeding 1000 ppm of total halogens (but less than 6000 ppm maximum) only if the supplier ["marketer" in 40 CFR part 266.43(a)] has demonstrated to the Ohio EPA's Division of Solid and Hazardous Waste Management that the waste oil does not contain any hazardous wastes.

III. Monitoring and/or Record Keeping Requirements

1. Coal Sampling and Analysis:

The permittee shall collect a representative sample of each shipment of coal which is received for burning. The coal sampling shall be performed in accordance with ASTM method D2234, Collection of a Gross Sample of Coal. At the end of each calendar month, the representative samples of coal from all shipments of coal which were received during that calendar month shall be combined into one composite sample.

Each monthly composite sample of coal shall be analyzed for ash content (percent), sulfur content (percent), and heat content (Btu/pound of coal). The analytical methods for ash content, sulfur content and heat content shall be: ASTM method D3174, Ash in the Analysis of Coal and Coke; ASTM method D3177, Total Sulfur in the Analysis Sample of Coal and Coke or ASTM method D4239, Sulfur in the Analysis Sample of Coal and Coke Using High Temperature Tube Furnace Combustion Methods; and ASTM method D2015, Gross Calorific Value of Solid Fuel by the Adiabatic Bomb Calorimeter, ASTM method D3286, Gross Calorific Value of Coal and Coke by the Isothermal Bomb Calorimeter, or ASTM method D1989, Standard Test Method for Gross Calorific Value of Coal and Coke by Microprocessor Controlled Isooperibol Calorimeters, respectively. Alternative, equivalent methods may be used upon written approval from the appropriate Ohio EPA District Office or local air agency.

2. Coal Usage and SO₂ Emission Rate:

The permittee shall maintain monthly records of the following:

- a. the total quantity of coal received,
- b. the results of the analyses for ash content,
- c. the results of the analyses for sulfur content,
- d. the results of the analyses for heat content, and
- e. the average SO₂ emission rate (in LBS/MMBtu) calculated pursuant to equation in OAC rule 3745-18-04(G)(1).

III. Monitoring and/or Record Keeping Requirements (continued)

3. No. 2 Oil and/or Waste Oil Sampling and Analysis

The permittee shall collect or require the oil supplier to collect a representative grab sample for each shipment of No. 2 oil and/or waste oil that is received for burning in this emissions unit. The permittee shall perform or require the supplier to perform the analyses for sulfur content and heat content in accordance with the following ASTM methods: ASTM method D4294, ASTM method D240, or ASTM method 6010 for sulfur content; and ASTM method D240 for heat content. Alternative, equivalent methods may be used upon written approval by the appropriate Ohio EPA District Office or local air agency.

In addition, the permittee shall receive a chemical analysis with each shipment of waste oil from the supplier. The analysis shall identify the name and address of the supplier, the supplier's USEPA identification number, and the following information:

- a. date of shipment or delivery,
- b. quantity of used oil received,
- c. the Btu value of the used oil,
- d. the flash point of the used oil,
- e. the arsenic content,
- f. the cadmium content,
- g. the chromium content,
- h. the lead content,
- i. the PCB content,
- j. the total halogen content, and
- k. the mercury content.

4. No. 2 Oil and/or Waste Oil Usage and SO₂ Emission Rate

For each shipment of No. 2 oil and/or waste oil received for burning in this emissions unit, the permittee shall maintain records of the total quantity of oil received, the permittee's or oil supplier's analyses for sulfur content and heat content, and the calculated sulfur dioxide emission rate (in lbs/MMBtu). (The sulfur dioxide emission rate shall be calculated in accordance with the formula specified in OAC rule 3745-18-04(F).)

5. The permittee shall maintain and operate a continuous monitor and recorder for the steam flow rate from emissions units B001, B002 and B003.

III. Monitoring and/or Record Keeping Requirements (continued)

6. Continuous Emission Monitoring System:

The permittee shall operate and maintain existing equipment to continuously monitor and record the opacity of the particulate emissions from this emissions unit. Such continuous monitoring and recording equipment shall comply with the requirements specified in 40 CFR Part 60.13.

The permittee shall maintain records of the following data obtained by the continuous opacity monitoring system: percent opacity on a 6-minute block average basis, results of daily zero/span calibration checks, and magnitude of manual calibration adjustments.

The continuous emission monitoring system consists of all the equipment used to acquire data and includes the sample extraction and transport hardware, sample conditioning hardware, analyzers, and data recording/processing hardware and software.

7. Continuous Opacity Monitoring - Certified Systems
Statement of Certification:

The permittee shall maintain a statement of certification of the existing continuous opacity monitoring system on site which consists of a letter from the Ohio EPA detailing the results of an Agency review of the certification tests and a statement by the Agency that the system is considered certified in accordance with the requirements of 40 CFR Part 60, Appendix B, Performance Specification 1. Proof of certification shall be made available to the Director (the appropriate Ohio EPA District Office or local air agency) upon request.

8. Quality Assurance/Quality Control for Continuous Opacity Monitor:

Within 180 days of the effective date of this permit, the permittee shall develop a written quality assurance/quality control plan for the continuous opacity monitoring system designed to ensure continuous valid and representative readings of opacity. The plan shall include, as a minimum, conducting and recording daily automatic zero/span checks, provisions for conducting a quarterly audit of the continuous opacity monitoring system, and a description of preventive maintenance activities. The plan shall describe step by step procedures for ensuring that sections 7.1.4, 7.4.1, 7.4.2, and Table 1-1 of Performance Specification 1 are maintained on a continuous basis. The quality assurance/quality control plan and a logbook dedicated to the continuous opacity monitoring system must be kept on site and available for inspection during regular office hours.

IV. Reporting Requirements

1. The permittee shall submit quarterly reports concerning the quality and quantity of coal received for burning in this emissions unit. These reports shall include the following information for the emissions unit for each calendar month during the calendar quarter:
 - a. the total quantity of coal received (tons);
 - b. the average ash content (percent) of the coal received;
 - c. the average sulfur content (percent) of the coal received;
 - d. the average heat content (Btu/pound) of the coal received; and
 - e. the average SO₂ emission rate (LBS SO₂/MMBtu of actual heat input) from the coal received.

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

2. The permittee shall submit quarterly reports concerning the quality and quantity of No. 2 and/or waste oil received for burning in this emissions unit. These reports shall include the following information for the emissions unit for each calendar month during the calendar quarter:
 - a. the total quantity of No. 2 oil and/or waste oil received (gallons);
 - b. the average sulfur content (percent) of the oil received;
 - c. the average heat content (Btu/gallon) of the oil received; and
 - d. the average SO₂ emission rate (LBS SO₂/MMBtu of actual heat input) from the oil received.

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

IV. Reporting Requirements (continued)

3. The permittee shall submit reports (hardcopy or electronic format) within 30 days following the end of each calendar quarter to the appropriate Ohio EPA District Office or local air agency documenting all instances of opacity values in excess of the limitations specified in OAC rule 3745-17-07, detailing the date, commencement and completion times, duration, magnitude (percent opacity), reason (if known), and corrective actions taken (if any) of each 6-minute block average above the applicable opacity limitation(s).

The permittee shall submit reports within 30 days following the end of each calendar quarter to the appropriate Ohio EPA District Office or local air agency documenting any continuous opacity monitoring system downtime while the emissions unit was on line (date, time, duration and reason) along with any corrective action(s) taken. The permittee shall provide the emissions unit operating time during the reporting period and the date, time, reason, and corrective action(s) taken for each time period of emissions unit and control equipment malfunctions. The total operating time of the emissions unit and the total operating time of the analyzer while the emissions unit was on line shall be included in the quarterly report.

If there are no excess emissions during the calendar quarter, the permittee shall submit a statement to that effect along with the emissions unit operating time during the reporting period and the date, time, reason, and corrective action(s) taken for each time period of emissions unit, control equipment, and/or monitoring system malfunctions. The total operating time of the emissions unit and the total operating time of the analyzer while the emissions unit was on line also shall be included in the quarterly report. These quarterly excess emission reports shall be submitted by January 30, April 30, July 30, and October 30 of each year and shall address the data obtained during the previous calendar quarter.

4. The permittee shall submit deviation (excursion) reports which identify any exceedance of the 200,000 pounds of steam per hour (based upon a daily average) limitation. This report shall be submitted to the Director or his representative within five business days after the exceedance and shall contain the following information:
- a. the date of the exceedance;
 - b. the time interval over which the exceedance occurred;
 - c. the value of the exceedance;
 - d. the cause(s) of the exceedance;
 - e. the corrective action which has been or will be taken to prevent similar exceedance(s) in the future; and
 - f. a copy of the steam chart that shows the exceedance(s).

IV. Reporting Requirements (continued)

5. The permittee shall notify the USEPA and the Ohio EPA if any of the waste oil exceeds the waste oil specifications. An identification number from USEPA shall be obtained prior to the combustion of any waste oil.

Before the permittee accepts the first shipment of any off-specification waste oil from a marketer, the permittee must provide the marketer a one-time, written and signed notice certifying that:

- a. the company has notified USEPA of its waste oil management activities and that the notice included the location and description of those activities; and
- b. the company will burn the waste oil only in an industrial furnace or boiler identified in 40 CFR Part 266.41(b) and OAC rule 3745-58-42.

V. Testing Requirements

1. Visible Emissions:

Compliance with OAC 3745-17-07(A) shall be demonstrated by methods outlined in OAC 3745-17-03(B)(3).

2. Particulate Emission Limitation:

The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:

- a. The emission testing shall be conducted 2.5 years after the issuance of this permit.
- b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate of 0.14 LB PM/MMBtu of actual heat input, when burning coal.
- c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s):

Method 5 40 CFR Part 60, Appendix A.

- d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency.

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test(s).

Facility Name: **FORD MOTOR COMPANY SHARONVILLE TRANSMISSIK**

Facility ID: **14-31-14-0861**

Emissions Unit: **Boiler #2 (B002)**

V. Testing Requirements (continued)

Personnel from the appropriate Ohio EPA District Office or local air agency shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s).

3. Sulfur Dioxide Limitation:

a. Compliance with OAC 3745-18-37(V)(1) shall be demonstrated by the recordkeeping requirements in section A.III.1., 2., 3., and 4. and the methods outlined in OAC 3745-18-04(G).

b. If testing is required to demonstrate compliance with the allowable emission limitation of 1.7 LBS SO₂/MMBtu of actual heat input then, testing shall be conducted using the following method:

Method 6 of 40 CFR Part 60, Appendix A.

4. Compliance with the waste oil specifications shall be demonstrated by the recordkeeping requirements in section A.III.3. of these terms and conditions.

VI. Miscellaneous Requirements

1. None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
97.5 MMBtu/hr Coal Fired Boiler with Multiclone and Fabric Filter (Boiler #2, backup fuels: natural gas, No. 2 Oil, and Waste Oil).		

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - Terms and Conditions for Emissions Units

Emissions Unit ID: Boiler #3 (B003)

Activity Description: Boiler #3, 146.5 MMBtu/Hr

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
97.5 MMBtu/hr Coal Fired Boiler with Multiclone and Fabric Filter (Boiler #3, backup fuels: natural gas, No. 2 Oil, and Waste Oil).	OAC 3745-17-07(A)	Visible emissions shall not exceed 20% opacity, as a six-minute average, except as provided by rule.
	OAC 3745-17-10(C)(1)	0.14 LB PM/MMBtu of actual heat input, when fired with coal.
	OAC 3745-18-37(V)(1)	1.7 LBS SO2/MMBtu of actual heat input.
	OAC 3745-17-10(B)(1)	0.020 LB PM/MMBtu of actual heat input, when fired only with natural gas, No. 2 oil, and/or waste oil.

2. Additional Terms and Conditions

2. **None**

II. Operational Restrictions

1. The total combined heat input from emissions units B001, B002 and B003 shall not exceed a daily average operating rate of 244 MMBtu per hour. This total heat input of 244 MMBtu per hour corresponds to a combined steam load of 200,000 pounds per hour (based upon an average over any calendar day).

II. Operational Restrictions (continued)

2. The quality of the coal burned in this emissions unit shall meet the following specifications on an as-received basis:
 - a. A combination of ash content and heat content sufficient to comply with the PM emission limitation of 0.14 LB PM/MMBtu of actual heat input.
 - b. A combination of sulfur content and heat content which is sufficient to comply with the allowable sulfur dioxide emission limitation of 1.7 LBS SO₂/MMBtu of actual heat input.

Compliance with the above-mentioned specifications shall be determined by using a weighted, arithmetic average of the analytical results provided by the permittee or coal supplier for all shipments of coal during each calendar month.

3. The quality of the No. 2 and waste oil burned in this emissions unit shall meet a sulfur content that is sufficient to comply with the allowable SO₂ emission limit specified in section A.I. above.
4. Prior to receiving any shipment of waste oil for combustion in this emissions unit, the permittee shall perform the reporting requirements in section A.IV.5. of this permit.
5. All waste oil burned in this emissions unit shall meet the following specifications:

Contaminant/Property	Allowable Concentration
Arsenic	5 ppm, maximum
Cadmium	2 ppm, maximum
Chromium	10 ppm, maximum
Lead	100 ppm, maximum
PCB's	50 ppm, maximum
Total Halogens	6000 ppm, maximum
Mercury	1 ppm, maximum
Flash Point	100 degrees F, minimum
Heat Content	120,000 Btu/gallon, minimum

Waste oil containing more than 1000 ppm total halogens is presumed to be a hazardous waste under the rebuttable presumption provided under paragraph C of OAC rule 3745-58-50. Therefore, the permittee may receive and burn waste oil exceeding 1000 ppm of total halogens (but less than 6000 ppm maximum) only if the supplier ["marketer" in 40 CFR part 266.43(a)] has demonstrated to the Ohio EPA's Division of Solid and Hazardous Waste Management that the waste oil does not contain any hazardous wastes.

III. Monitoring and/or Record Keeping Requirements

1. Coal Sampling and Analysis:

The permittee shall collect a representative sample of each shipment of coal which is received for burning. The coal sampling shall be performed in accordance with ASTM method D2234, Collection of a Gross Sample of Coal. At the end of each calendar month, the representative samples of coal from all shipments of coal which were received during that calendar month shall be combined into one composite sample.

Each monthly composite sample of coal shall be analyzed for ash content (percent), sulfur content (percent), and heat content (Btu/pound of coal). The analytical methods for ash content, sulfur content and heat content shall be: ASTM method D3174, Ash in the Analysis of Coal and Coke; ASTM method D3177, Total Sulfur in the Analysis Sample of Coal and Coke or ASTM method D4239, Sulfur in the Analysis Sample of Coal and Coke Using High Temperature Tube Furnace Combustion Methods; and ASTM method D2015, Gross Calorific Value of Solid Fuel by the Adiabatic Bomb Calorimeter, ASTM method D3286, Gross Calorific Value of Coal and Coke by the Isothermal Bomb Calorimeter, or ASTM method D1989, Standard Test Method for Gross Calorific Value of Coal and Coke by Microprocessor Controlled Isooperibol Calorimeters, respectively. Alternative, equivalent methods may be used upon written approval from the appropriate Ohio EPA District Office or local air agency.

2. Coal Usage and SO₂ Emission Rate:

The permittee shall maintain monthly records of the following:

- a. the total quantity of coal received,
- b. the results of the analyses for ash content,
- c. the results of the analyses for sulfur content,
- d. the results of the analyses for heat content, and
- e. the average SO₂ emission rate (in LBS/MMBtu) calculated pursuant to equation in OAC rule 3745-18-04(G)(1).

III. Monitoring and/or Record Keeping Requirements (continued)

3. No. 2 Oil and/or Waste Oil Sampling and Analysis

The permittee shall collect or require the oil supplier to collect a representative grab sample for each shipment of No. 2 oil and/or waste oil that is received for burning in this emissions unit. The permittee shall perform or require the supplier to perform the analyses for sulfur content and heat content in accordance with the following ASTM methods: ASTM method D4294, ASTM method D240, or ASTM method 6010 for sulfur content; and ASTM method D240 for heat content. Alternative, equivalent methods may be used upon written approval by the appropriate Ohio EPA District Office or local air agency.

In addition, the permittee shall receive a chemical analysis with each shipment of waste oil from the supplier. The analysis shall identify the name and address of the supplier, the supplier's USEPA identification number, and the following information:

- a. date of shipment or delivery,
- b. quantity of used oil received,
- c. the Btu value of the used oil,
- d. the flash point of the used oil,
- e. the arsenic content,
- f. the cadmium content,
- g. the chromium content,
- h. the lead content,
- i. the PCB content,
- j. the total halogen content, and
- k. the mercury content.

4. No. 2 Oil and/or Waste Oil Usage and SO₂ Emission Rate

For each shipment of No. 2 oil and/or waste oil received for burning in this emissions unit, the permittee shall maintain records of the total quantity of oil received, the permittee's or oil supplier's analyses for sulfur content and heat content, and the calculated sulfur dioxide emission rate (in lbs/MMBtu). (The sulfur dioxide emission rate shall be calculated in accordance with the formula specified in OAC rule 3745-18-04(F).)

5. The permittee shall maintain and operate a continuous monitor and recorder for the steam flow rate from emissions units B001, B002 and B003.

III. Monitoring and/or Record Keeping Requirements (continued)

6. Continuous Emission Monitoring System:

The permittee shall operate and maintain existing equipment to continuously monitor and record the opacity of the particulate emissions from this emissions unit. Such continuous monitoring and recording equipment shall comply with the requirements specified in 40 CFR Part 60.13.

The permittee shall maintain records of the following data obtained by the continuous opacity monitoring system: percent opacity on a 6-minute block average basis, results of daily zero/span calibration checks, and magnitude of manual calibration adjustments.

The continuous emission monitoring system consists of all the equipment used to acquire data and includes the sample extraction and transport hardware, sample conditioning hardware, analyzers, and data recording/processing hardware and software.

7. Continuous Opacity Monitoring - Certified Systems Statement of Certification:

The permittee shall maintain a statement of certification of the existing continuous opacity monitoring system on site which consists of a letter from the Ohio EPA detailing the results of an Agency review of the certification tests and a statement by the Agency that the system is considered certified in accordance with the requirements of 40 CFR Part 60, Appendix B, Performance Specification 1. Proof of certification shall be made available to the Director (the appropriate Ohio EPA District Office or local air agency) upon request.

8. Quality Assurance/Quality Control for Continuous Opacity Monitor:

Within 180 days of the effective date of this permit, the permittee shall develop a written quality assurance/quality control plan for the continuous opacity monitoring system designed to ensure continuous valid and representative readings of opacity. The plan shall include, as a minimum, conducting and recording daily automatic zero/span checks, provisions for conducting a quarterly audit of the continuous opacity monitoring system, and a description of preventive maintenance activities. The plan shall describe step by step procedures for ensuring that sections 7.1.4, 7.4.1, 7.4.2, and Table 1-1 of Performance Specification 1 are maintained on a continuous basis. The quality assurance/quality control plan and a logbook dedicated to the continuous opacity monitoring system must be kept on site and available for inspection during regular office hours.

IV. Reporting Requirements

1. The permittee shall submit quarterly reports concerning the quality and quantity of coal received for burning in this emissions unit. These reports shall include the following information for the emissions unit for each calendar month during the calendar quarter:
 - a. the total quantity of coal received (tons);
 - b. the average ash content (percent) of the coal received;
 - c. the average sulfur content (percent) of the coal received;
 - d. the average heat content (Btu/pound) of the coal received; and
 - e. the average SO₂ emission rate (LBS SO₂/MMBtu of actual heat input) from the coal received.

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

2. The permittee shall submit quarterly reports concerning the quality and quantity of No. 2 and/or waste oil received for burning in this emissions unit. These reports shall include the following information for the emissions unit for each calendar month during the calendar quarter:
 - a. the total quantity of No. 2 oil and/or waste oil received (gallons);
 - b. the average sulfur content (percent) of the oil received;
 - c. the average heat content (Btu/gallon) of the oil received; and
 - d. the average SO₂ emission rate (LBS SO₂/MMBtu of actual heat input) from the oil received.

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

IV. Reporting Requirements (continued)

3. The permittee shall submit reports (hardcopy or electronic format) within 30 days following the end of each calendar quarter to the appropriate Ohio EPA District Office or local air agency documenting all instances of opacity values in excess of the limitations specified in OAC rule 3745-17-07, detailing the date, commencement and completion times, duration, magnitude (percent opacity), reason (if known), and corrective actions taken (if any) of each 6-minute block average above the applicable opacity limitation(s).

The permittee shall submit reports within 30 days following the end of each calendar quarter to the appropriate Ohio EPA District Office or local air agency documenting any continuous opacity monitoring system downtime while the emissions unit was on line (date, time, duration and reason) along with any corrective action(s) taken. The permittee shall provide the emissions unit operating time during the reporting period and the date, time, reason, and corrective action(s) taken for each time period of emissions unit and control equipment malfunctions. The total operating time of the emissions unit and the total operating time of the analyzer while the emissions unit was on line shall be included in the quarterly report.

If there are no excess emissions during the calendar quarter, the permittee shall submit a statement to that effect along with the emissions unit operating time during the reporting period and the date, time, reason, and corrective action(s) taken for each time period of emissions unit, control equipment, and/or monitoring system malfunctions. The total operating time of the emissions unit and the total operating time of the analyzer while the emissions unit was on line also shall be included in the quarterly report. These quarterly excess emission reports shall be submitted by January 30, April 30, July 30, and October 30 of each year and shall address the data obtained during the previous calendar quarter.

4. The permittee shall submit deviation (excursion) reports which identify any exceedance of the 200,000 pounds of steam per hour (based upon a daily average) limitation. This report shall be submitted to the Director or his representative within five business days after the exceedance and shall contain the following information:
 - a. the date of the exceedance;
 - b. the time interval over which the exceedance occurred;
 - c. the value of the exceedance;
 - d. the cause(s) of the exceedance;
 - e. the corrective action which has been or will be taken to prevent similar exceedance(s) in the future; and
 - f. a copy of the steam chart that shows the exceedance(s).

IV. Reporting Requirements (continued)

5. The permittee shall notify the USEPA and the Ohio EPA if any of the waste oil exceeds the waste oil specifications. An identification number from USEPA shall be obtained prior to the combustion of any waste oil.

Before the permittee accepts the first shipment of any off-specification waste oil from a marketer, the permittee must provide the marketer a one-time, written and signed notice certifying that:

- a. the company has notified USEPA of its waste oil management activities and that the notice included the location and description of those activities; and
- b. the company will burn the waste oil only in an industrial furnace or boiler identified in 40 CFR Part 266.41(b) and OAC rule 3745-58-42.

V. Testing Requirements

1. Visible Emissions:

Compliance with OAC 3745-17-07(A) shall be demonstrated by methods outlined in OAC 3745-17-03(B)(3).

2. Particulate Emission Limitation:

The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:

- a. The emission testing shall be conducted 2.5 years after the issuance of this permit.
- b. The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate of 0.14 LB PM/MMBtu of actual heat input, when burning coal.
- c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s):

Method 5 40 CFR Part 60, Appendix A.

- d. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the appropriate Ohio EPA District Office or local air agency.

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test(s).

V. Testing Requirements (continued)

Personnel from the appropriate Ohio EPA District Office or local air agency shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s).

3. Sulfur Dioxide Limitation:

a. Compliance with OAC 3745-18-37(V)(1) shall be demonstrated by the recordkeeping requirements in section A.III.1., 2., 3., and 4. and the methods outlined in OAC 3745-18-04(G).

b. If testing is required to demonstrate compliance with the allowable emission limitation of 1.7 LBS SO₂/MMBtu of actual heat input then, testing shall be conducted using the following method:

Method 6 of 40 CFR Part 60, Appendix A.

4. Compliance with the waste oil specifications shall be demonstrated by the recordkeeping requirements in section A.III.3. of these terms and conditions.

VI. Miscellaneous Requirements

1. None

B. State Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operation(s), property, and/or equipment which constitute this emissions unit are listed in the following table along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from this unit shall not exceed the listed limitations, and the listed control measures shall be employed. Additional applicable emissions limitations and/or control measures (if any) may be specified in narrative form following the table.

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/ Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
97.5 MMBtu/hr Coal Fired Boiler with Multiclone and Fabric Filter (Boiler #3, backup fuels: natural gas, No. 2 Oil, and Waste Oil).		

2. Additional Terms and Conditions

None

II. Operational Restrictions

None

III. Monitoring and/or Record Keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Facility Name: **FORD MOTOR COMPANY SHARONVILLE TRANSMISSI**
Facility ID: **14-31-14-0861**

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