State of Ohio Environmental Protection Agency

RE: FINAL PERMIT TO INSTALL **CERTIFIED MAIL**
ALLEN COUNTY

Street Address: Lazarus Gov. Center **TELE:** (614) 644-3020 **FAX:** (614) 644-2329 Mailing Address: Lazarus Gov. Center

Application No: 03-13820

DATE: 1/16/2003

Ford Motor Company Lima Engine Plant
Kevin Bruin
1155 Bible Rd
Lima, OH 45801

Enclosed please find an Ohio EPA Permit to Install which will allow you to install the described source(s) in a manner indicated in the permit. Because this permit contains several conditions and restrictions, I urge you to read it carefully.

The Ohio EPA is urging companies to investigate pollution prevention and energy conservation. Not only will this reduce pollution and energy consumption, but it can also save you money. If you would like to learn ways you can save money while protecting the environment, please contact our Office of Pollution Prevention at (614) 644-3469.

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

CC: USEPA **NWDO**

FINAL PERMIT TO INSTALL 03-13820

Application Number:	03-13820
APS Premise Number:	0302020143
Permit Fee:	**$6800**
Name of Facility:	Ford Motor Company Lima Engine Plant
Person to Contact:	Kevin Bruin
Address:	1155 Bible Rd Lima, OH 45801

Location of proposed air contaminant source(s) [emissions unit(s)]:
1155 Bible Rd
Lima, Ohio

Description of proposed emissions unit(s):
To be determined by county engineer.

The above named entity is hereby granted a Permit to Install for the above described emissions unit(s) pursuant to Chapter 3745-31 of the Ohio Administrative Code. Issuance of this permit 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 emissions unit(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 and specifications, the above described emissions unit(s) of pollutants will be granted the necessary permits to operate (air) or NPDES permits as applicable.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Director

Part I - GENERAL TERMS AND CONDITIONS

A. State and Federally Enforceable Permit To Install General Terms and Conditions

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, 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.

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 of federally enforceable 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 <u>emission limitations</u>, <u>operational restrictions</u>, <u>and control device operating parameter limitations</u>, 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 made to the appropriate Ohio EPA District Office or local air agency. The written 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. See B.9 below if no deviations occurred during the quarter.

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. 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 shall be submitted pursuant to 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 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. The permittee shall pay all applicable Permit To Install fees within 30 days after the issuance of this Permit To Install.

8. 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.

9. Compliance Requirements

a. Any document (including reports) required to be submitted and required by a federally applicable requirement in this 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 ORC section 3704.08.

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.

10. Permit To Operate Application

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

b. If the permittee is required to apply for permit(s) pursuant to OAC Chapter 3745-35, the source(s) identified in this Permit To Install is (are) permitted to operate for a period of up to one year from the date the source(s) commenced operation. Permission to operate is granted only if the facility complies with all requirements contained in this permit and all applicable air pollution laws, regulations, and policies. Pursuant to OAC Chapter 3745-35, the permittee shall submit a complete operating permit application within ninety (90) days after commencing operation of the source(s) covered by this permit.

11. 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.

12. 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.

B. State Only Enforceable Permit To Install General Terms and Conditions

1. Compliance Requirements

The emissions unit(s) identified in this Permit to Install shall remain in full compliance with all applicable State laws and regulations and the terms and conditions of this permit.

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 of state-only enforceable 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 state-only required 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. 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.

4. Termination of Permit To Install

This permit to install shall terminate within eighteen months of the effective date of the permit to install if the owner or operator has not undertaken a continuing program of installation or modification or has not entered into a binding contractual obligation to undertake and complete within a reasonable time a continuing program of installation or modification. 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.

5. Construction of New Sources(s)

The proposed emissions unit(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 cannot meet the requirements of this permit or cannot meet applicable standards.

If the construction of the proposed emissions unit(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 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 the requirements of this permit or cannot meet applicable standards.

6. 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.

7. Applicability

This Permit to Install is applicable only to the emissions unit(s) identified in the Permit To Install. Separate application must be made to the Director for the installation or modification of any other emissions unit(s).

8. 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.

9. Additional Reporting Requirements When There Are No Deviations of Federally Enforceable Emission Limitations, Operational Restrictions, or Control Device Operating Parameter Limitations (See Section A of This Permit)

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.

C. Permit To Install Summary of Allowable Emissions

The following information summarizes the total allowable emissions, by pollutant, based on the individual allowable emissions of each air contaminant source identified in this permit.

SUMMARY (for informational purposes only)
TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS

Pollutant	Tons Per Year
PE	42.18
VOC	116.95

Part II - FACILITY SPECIFIC TERMS AND CONDITIONS

A. State and Federally Enforceable Permit To Install Facility Specific Terms and Conditions

None

B. State Only Enforceable Permit To Install Facility Specific Terms and Conditions

None

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P053 - Engine machining operation with air washer collection system (AW-28).	OAC rule 3745-31-05(A)(3)	0.43 lb particulate emissions (PE)/hr 1.88 tons PE/yr see A.I.2.a. 5% opacity, as a six-minute average
	OAC rule 3745-17-07(A)	see A.I.2.b.
	OAC rule 3745-17-11(B)(1)	see A.I.2.b.

2. Additional Terms and Conditions

2.a Best Available Technology (BAT) for this emissions unit has been determined to be a maximum outlet grain loading of 0.002 gr/dscf.

2.b The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall perform daily checks, Monday through Friday, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the color of the emissions;
b. whether the emissions are representative of normal operations;
c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
d. the total duration of any visible emission incident; and
e. any corrective actions taken to eliminate the abnormal visible emissions.

2. Notwithstanding the frequency of the monitoring and record keeping requirements specified in section A.III.1., the permittee may reduce the visual observations from daily readings to weekly readings if the following conditions are met:

   a. for 1 full quarter the facility's daily visual observations indicate no abnormal visible emissions; and

   b. the permittee continues to comply with all the record keeping and monitoring requirements specified in section A.III.1., on a weekly basis.

   The permittee shall revert to daily readings if any abnormal visible emissions are observed. The daily readings shall continue for one full quarter. If abnormal visible emissions are observed during this time, the permittee shall continue daily readings until such time that no abnormal visible emissions have been observed for a period of three consecutive months.

3. The permit to install for this emissions unit was evaluated based on information contained in the permit to install application. Prior to any physical change or change in the method of operation involving the engine machining operation and/or air washer collection system associated with this emissions unit, the permittee shall conduct an evaluation to determine if the change would constitute a "modification" as defined in OAC rule 3745-31-01 (VV). If any physical change in, or change(s) in the method of operation is (are) defined as a modification, then the permittee shall obtain a final permit to install modification prior to performing such change. The permittee shall collect, record and retain all evaluation information and the final determination when modification evaluations are performed.

IV. Reporting Requirements

1. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from this emissions unit, and (b) describe any corrective actions taken to eliminate the abnormal visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

V. Testing Requirements

1. Compliance with the emission limitation(s) in section A.I. of the terms and conditions of this permit shall be determined in accordance with the following method(s):

   a. Emission Limitations:
   0.43 lb PE/hr & 1.88 tons PE/yr

   Applicable Compliance Method:
   The permittee may demonstrate compliance with this emission limitation by multiplying the maximum outlet grain loading emission factor of 0.002 gr/dscf by the maximum volumetric air flow rate of 25000 acfm and converting to pounds/hour by multiplying by 60 min/hr and dividing by 7000 gr/lb. If required, the permittee shall demonstrate compliance by testing in accordance with Methods 1-5, 40 CFR 60, Appendix A.

   The annual PE limitation was developed by multiplying the hourly PE limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

   b. Emission Limitation:
   Visible particulate emissions shall not exceed 5% opacity, as a six-minute average.

   Applicable Compliance Method:
   If required, compliance with the visible emission limitation specified above shall be determined in accordance with Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60.

VI. Miscellaneous Requirements

None

B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P053 - Engine machining operation with air washer collection system (AW-28).	None	None

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P054 - Engine machining operation with air washer collection system (AW-29).	OAC rule 3745-31-05(A)(3)	0.51 lb particulate emissions (PE)/hr 2.23 tons PE/yr see A.I.2.a. 5% opacity, as a six-minute average
	OAC rule 3745-17-07(A)	see A.I.2.b.
	OAC rule 3745-17-11(B)(1)	see A.I.2.b.

2. Additional Terms and Conditions

2.a Best Available Technology (BAT) for this emissions unit has been determined to be a maximum outlet grain loading of 0.002 gr/dscf.

2.b The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall perform daily checks, Monday through Friday, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the color of the emissions;
b. whether the emissions are representative of normal operations;
c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
d. the total duration of any visible emission incident; and
e. any corrective actions taken to eliminate the abnormal visible emissions.

2. Notwithstanding the frequency of the monitoring and record keeping requirements specified in section A.III.1., the permittee may reduce the visual observations from daily readings to weekly readings if the following conditions are met:

   a. for 1 full quarter the facility's daily visual observations indicate no abnormal visible emissions; and

   b. the permittee continues to comply with all the record keeping and monitoring requirements specified in section A.III.1., on a weekly basis.

   The permittee shall revert to daily readings if any abnormal visible emissions are observed. The daily readings shall continue for one full quarter. If abnormal visible emissions are observed during this time, the permittee shall continue daily readings until such time that no abnormal visible emissions have been observed for a period of three consecutive months.

3. The permit to install for this emissions unit was evaluated based on information contained in the permit to install application. Prior to any physical change or change in the method of operation involving the engine machining operation and/or air washer collection system associated with this emissions unit, the permittee shall conduct an evaluation to determine if the change would constitute a "modification" as defined in OAC rule 3745-31-01 (VV). If any physical change in, or change(s) in the method of operation is (are) defined as a modification, then the permittee shall obtain a final permit to install modification prior to performing such change. The permittee shall collect, record and retain all evaluation information and the final determination when modification evaluations are performed.

IV. Reporting Requirements

1. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from this emissions unit, and (b) describe any corrective actions taken to eliminate the abnormal visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

V. Testing Requirements

1. Compliance with the emission limitation(s) in section A.I. of the terms and conditions of this permit shall be determined in accordance with the following method(s):

   a. Emission Limitations:
   0.51 lb PE/hr & 2.23 tons PE/yr

   Applicable Compliance Method:
   The permittee may demonstrate compliance with this emission limitation by multiplying the maximum outlet grain loading emission factor of 0.002 gr/dscf by the maximum volumetric air flow rate of 30000 acfm and converting to pounds/hour by multiplying by 60 min/hr and dividing by 7000 gr/lb. If required, the permittee shall demonstrate compliance by testing in accordance with Methods 1-5, 40 CFR 60, Appendix A.

   The annual PE limitation was developed by multiplying the hourly PE limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

   b. Emission Limitation:
   Visible particulate emissions shall not exceed 5% opacity, as a six-minute average.

   Applicable Compliance Method:
   If required, compliance with the visible emission limitation specified above shall be determined in accordance with Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60.

VI. Miscellaneous Requirements

None

B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P054 - Engine machining operation with air washer collection system (AW-29).	None	None

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P055 - Engine machining operation with air washer collection system (AW-30).	OAC rule 3745-31-05(A)(3)	0.51 lb particulate emissions (PE)/hr 2.23 tons PE/yr see A.I.2.a. 5% opacity, as a six-minute average
	OAC rule 3745-17-07(A)	see A.I.2.b.
	OAC rule 3745-17-11(B)(1)	see A.I.2.b.

2. Additional Terms and Conditions

2.a Best Available Technology (BAT) for this emissions unit has been determined to be a maximum outlet grain loading of 0.002 gr/dscf.

2.b The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

Emissions Unit ID: P055

1. The permittee shall perform daily checks, Monday through Friday, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the color of the emissions;
b. whether the emissions are representative of normal operations;
c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
d. the total duration of any visible emission incident; and
e. any corrective actions taken to eliminate the abnormal visible emissions.

2. Notwithstanding the frequency of the monitoring and record keeping requirements specified in section A.III.1., the permittee may reduce the visual observations from daily readings to weekly readings if the following conditions are met:

   a. for 1 full quarter the facility's daily visual observations indicate no abnormal visible emissions; and

   b. the permittee continues to comply with all the record keeping and monitoring requirements specified in section A.III.1., on a weekly basis.

   The permittee shall revert to daily readings if any abnormal visible emissions are observed. The daily readings shall continue for one full quarter. If abnormal visible emissions are observed during this time, the permittee shall continue daily readings until such time that no abnormal visible emissions have been observed for a period of three consecutive months.

3. The permit to install for this emissions unit was evaluated based on information contained in the permit to install application. Prior to any physical change or change in the method of operation involving the engine machining operation and/or air washer collection system associated with this emissions unit, the permittee shall conduct an evaluation to determine if the change would constitute a "modification" as defined in OAC rule 3745-31-01 (VV). If any physical change in, or change(s) in the method of operation is (are) defined as a modification, then the permittee shall obtain a final permit to install modification prior to performing such change. The permittee shall collect, record and retain all evaluation information and the final determination when modification evaluations are performed.

IV. Reporting Requirements

1. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from this emissions unit, and (b) describe any corrective actions taken to eliminate the abnormal visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

V. Testing Requirements

1. Compliance with the emission limitation(s) in section A.I. of the terms and conditions of this permit shall be determined in accordance with the following method(s):

   a. Emission Limitations:
   0.51 lb PE/hr & 2.23 tons PE/yr

   Applicable Compliance Method:
   The permittee may demonstrate compliance with this emission limitation by multiplying the maximum outlet grain loading emission factor of 0.002 gr/dscf by the maximum volumetric air flow rate of 30000 acfm and converting to pounds/hour by multiplying by 60 min/hr and dividing by 7000 gr/lb. If required, the permittee shall demonstrate compliance by testing in accordance with Methods 1-5, 40 CFR 60, Appendix A.

   The annual PE limitation was developed by multiplying the hourly PE limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

   b. Emission Limitation:
   Visible particulate emissions shall not exceed 5% opacity, as a six-minute average.

   Applicable Compliance Method:
   If required, compliance with the visible emission limitation specified above shall be determined in accordance with Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60.

VI. Miscellaneous Requirements

None

B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P055 - Engine machining operation with air washer collection system (AW-30).	None	None

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P056 - Engine machining operation with air washer collection system (AW-31).	OAC rule 3745-31-05(A)(3)	0.51 lb particulate emissions (PE)/hr 2.23 tons PE/yr see A.I.2.a. 5% opacity, as a six-minute average
	OAC rule 3745-17-07(A)	see A.I.2.b.
	OAC rule 3745-17-11(B)(1)	see A.I.2.b.

2. Additional Terms and Conditions

2.a Best Available Technology (BAT) for this emissions unit has been determined to be a maximum outlet grain loading of 0.002 gr/dscf.

2.b The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall perform daily checks, Monday through Friday, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the color of the emissions;
b. whether the emissions are representative of normal operations;
c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
d. the total duration of any visible emission incident; and
e. any corrective actions taken to eliminate the abnormal visible emissions.

2. Notwithstanding the frequency of the monitoring and record keeping requirements specified in section A.III.1., the permittee may reduce the visual observations from daily readings to weekly readings if the following conditions are met:

   a. for 1 full quarter the facility's daily visual observations indicate no abnormal visible emissions; and

   b. the permittee continues to comply with all the record keeping and monitoring requirements specified in section A.III.1., on a weekly basis.

   The permittee shall revert to daily readings if any abnormal visible emissions are observed. The daily readings shall continue for one full quarter. If abnormal visible emissions are observed during this time, the permittee shall continue daily readings until such time that no abnormal visible emissions have been observed for a period of three consecutive months.

3. The permit to install for this emissions unit was evaluated based on information contained in the permit to install application. Prior to any physical change or change in the method of operation involving the engine machining operation and/or air washer collection system associated with this emissions unit, the permittee shall conduct an evaluation to determine if the change would constitute a "modification" as defined in OAC rule 3745-31-01 (VV). If any physical change in, or change(s) in the method of operation is (are) defined as a modification, then the permittee shall obtain a final permit to install modification prior to performing such change. The permittee shall collect, record and retain all evaluation information and the final determination when modification evaluations are performed.

IV. Reporting Requirements

1. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from this emissions unit, and (b) describe any corrective actions taken to eliminate the abnormal visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

V. Testing Requirements

1. Compliance with the emission limitation(s) in section A.I. of the terms and conditions of this permit shall be determined in accordance with the following method(s):

   a. Emission Limitations:
   0.51 lb PE/hr & 2.23 tons PE/yr

   Applicable Compliance Method:
   The permittee may demonstrate compliance with this emission limitation by multiplying the maximum outlet grain loading emission factor of 0.002 gr/dscf by the maximum volumetric air flow rate of 30000 acfm and converting to pounds/hour by multiplying by 60 min/hr and dividing by 7000 gr/lb. If required, the permittee shall demonstrate compliance by testing in accordance with Methods 1-5, 40 CFR 60, Appendix A.

   The annual PE limitation was developed by multiplying the hourly PE limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

   b. Emission Limitation:
   Visible particulate emissions shall not exceed 5% opacity, as a six-minute average.

   Applicable Compliance Method:
   If required, compliance with the visible emission limitation specified above shall be determined in accordance with Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60.

VI. Miscellaneous Requirements

None

B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P056 - Engine machining operation with air washer collection system (AW-31).	None	None

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P057 - Engine machining operation with air washer collection system (AW-32).	OAC rule 3745-31-05(A)(3)	0.51 lb particulate emissions (PE)/hr 2.23 tons PE/yr see A.I.2.a. 5% opacity, as a six-minute average
	OAC rule 3745-17-07(A)	see A.I.2.b.
	OAC rule 3745-17-11(B)(1)	see A.I.2.b.

2. Additional Terms and Conditions

2.a Best Available Technology (BAT) for this emissions unit has been determined to be a maximum outlet grain loading of 0.002 gr/dscf.

2.b The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

Emissions Unit ID: P057

1. The permittee shall perform daily checks, Monday through Friday, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the color of the emissions;
b. whether the emissions are representative of normal operations;
c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
d. the total duration of any visible emission incident; and
e. any corrective actions taken to eliminate the abnormal visible emissions.

2. Notwithstanding the frequency of the monitoring and record keeping requirements specified in section A.III.1., the permittee may reduce the visual observations from daily readings to weekly readings if the following conditions are met:

   a. for 1 full quarter the facility's daily visual observations indicate no abnormal visible emissions; and

   b. the permittee continues to comply with all the record keeping and monitoring requirements specified in section A.III.1., on a weekly basis.

   The permittee shall revert to daily readings if any abnormal visible emissions are observed. The daily readings shall continue for one full quarter. If abnormal visible emissions are observed during this time, the permittee shall continue daily readings until such time that no abnormal visible emissions have been observed for a period of three consecutive months.

3. The permit to install for this emissions unit was evaluated based on information contained in the permit to install application. Prior to any physical change or change in the method of operation involving the engine machining operation and/or air washer collection system associated with this emissions unit, the permittee shall conduct an evaluation to determine if the change would constitute a "modification" as defined in OAC rule 3745-31-01 (VV). If any physical change in, or change(s) in the method of operation is (are) defined as a modification, then the permittee shall obtain a final permit to install modification prior to performing such change. The permittee shall collect, record and retain all evaluation information and the final determination when modification evaluations are performed.

IV. Reporting Requirements

1. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from this emissions unit, and (b) describe any corrective actions taken to eliminate the abnormal visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

V. Testing Requirements

1. Compliance with the emission limitation(s) in section A.I. of the terms and conditions of this permit shall be determined in accordance with the following method(s):

   a. Emission Limitations:
   0.51 lb PE/hr & 2.23 tons PE/yr

   Applicable Compliance Method:
   The permittee may demonstrate compliance with this emission limitation by multiplying the maximum outlet grain loading emission factor of 0.002 gr/dscf by the maximum volumetric air flow rate of 30000 acfm and converting to pounds/hour by multiplying by 60 min/hr and dividing by 7000 gr/lb. If required, the permittee shall demonstrate compliance by testing in accordance with Methods 1-5, 40 CFR 60, Appendix A.

   The annual PE limitation was developed by multiplying the hourly PE limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

   b. Emission Limitation:
   Visible particulate emissions shall not exceed 5% opacity, as a six-minute average.

   Applicable Compliance Method:
   If required, compliance with the visible emission limitation specified above shall be determined in accordance with Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60.

VI. Miscellaneous Requirements

None

B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P057 - Engine machining operation with air washer collection system (AW-32).	None	None

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P058 - Engine machining operation with air washer collection system (AW-33).	OAC rule 3745-31-05(A)(3)	0.51 lb particulate emissions (PE)/hr 2.23 tons PE/yr see A.I.2.a. 5% opacity, as a six-minute average
	OAC rule 3745-17-07(A)	see A.I.2.b.
	OAC rule 3745-17-11(B)(1)	see A.I.2.b.

2. Additional Terms and Conditions

2.a Best Available Technology (BAT) for this emissions unit has been determined to be a maximum outlet grain loading of 0.002 gr/dscf.

2.b The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall perform daily checks, Monday through Friday, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the color of the emissions;
b. whether the emissions are representative of normal operations;
c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
d. the total duration of any visible emission incident; and
e. any corrective actions taken to eliminate the abnormal visible emissions.

2. Notwithstanding the frequency of the monitoring and record keeping requirements specified in section A.III.1., the permittee may reduce the visual observations from daily readings to weekly readings if the following conditions are met:

   a. for 1 full quarter the facility's daily visual observations indicate no abnormal visible emissions; and

   b. the permittee continues to comply with all the record keeping and monitoring requirements specified in section A.III.1., on a weekly basis.

   The permittee shall revert to daily readings if any abnormal visible emissions are observed. The daily readings shall continue for one full quarter. If abnormal visible emissions are observed during this time, the permittee shall continue daily readings until such time that no abnormal visible emissions have been observed for a period of three consecutive months.

3. The permit to install for this emissions unit was evaluated based on information contained in the permit to install application. Prior to any physical change or change in the method of operation involving the engine machining operation and/or air washer collection system associated with this emissions unit, the permittee shall conduct an evaluation to determine if the change would constitute a "modification" as defined in OAC rule 3745-31-01 (VV). If any physical change in, or change(s) in the method of operation is (are) defined as a modification, then the permittee shall obtain a final permit to install modification prior to performing such change. The permittee shall collect, record and retain all evaluation information and the final determination when modification evaluations are performed.

IV. Reporting Requirements

1. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from this emissions unit, and (b) describe any corrective actions taken to eliminate the abnormal visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

V. Testing Requirements

1. Compliance with the emission limitation(s) in section A.I. of the terms and conditions of this permit shall be determined in accordance with the following method(s):

   a. Emission Limitations:
   0.51 lb PE/hr & 2.23 tons PE/yr

   Applicable Compliance Method:
   The permittee may demonstrate compliance with this emission limitation by multiplying the maximum outlet grain loading emission factor of 0.002 gr/dscf by the maximum volumetric air flow rate of 30000 acfm and converting to pounds/hour by multiplying by 60 min/hr and dividing by 7000 gr/lb. If required, the permittee shall demonstrate compliance by testing in accordance with Methods 1-5, 40 CFR 60, Appendix A.

   The annual PE limitation was developed by multiplying the hourly PE limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

   b. Emission Limitation:
   Visible particulate emissions shall not exceed 5% opacity, as a six-minute average.

   Applicable Compliance Method:
   If required, compliance with the visible emission limitation specified above shall be determined in accordance with Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60.

VI. Miscellaneous Requirements

None

B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P058 - Engine machining operation with air washer collection system (AW-33).	None	None

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P059 - Engine machining operation with air washer collection system (AW-34).	OAC rule 3745-31-05(A)(3)	0.51 lb particulate emissions (PE)/hr 2.23 tons PE/yr see A.I.2.a. 5% opacity, as a six-minute average
	OAC rule 3745-17-07(A)	see A.I.2.b.
	OAC rule 3745-17-11(B)(1)	see A.I.2.b.

2. Additional Terms and Conditions

2.a Best Available Technology (BAT) for this emissions unit has been determined to be a maximum outlet grain loading of 0.002 gr/dscf.

2.b The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall perform daily checks, Monday through Friday, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the color of the emissions;
b. whether the emissions are representative of normal operations;
c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
d. the total duration of any visible emission incident; and
e. any corrective actions taken to eliminate the abnormal visible emissions.

2. Notwithstanding the frequency of the monitoring and record keeping requirements specified in section A.III.1., the permittee may reduce the visual observations from daily readings to weekly readings if the following conditions are met:

   a. for 1 full quarter the facility's daily visual observations indicate no abnormal visible emissions; and

   b. the permittee continues to comply with all the record keeping and monitoring requirements specified in section A.III.1., on a weekly basis.

   The permittee shall revert to daily readings if any abnormal visible emissions are observed. The daily readings shall continue for one full quarter. If abnormal visible emissions are observed during this time, the permittee shall continue daily readings until such time that no abnormal visible emissions have been observed for a period of three consecutive months.

3. The permit to install for this emissions unit was evaluated based on information contained in the permit to install application. Prior to any physical change or change in the method of operation involving the engine machining operation and/or air washer collection system associated with this emissions unit, the permittee shall conduct an evaluation to determine if the change would constitute a "modification" as defined in OAC rule 3745-31-01 (VV). If any physical change in, or change(s) in the method of operation is (are) defined as a modification, then the permittee shall obtain a final permit to install modification prior to performing such change. The permittee shall collect, record and retain all evaluation information and the final determination when modification evaluations are performed.

IV. Reporting Requirements

1. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from this emissions unit, and (b) describe any corrective actions taken to eliminate the abnormal visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

V. Testing Requirements

1. Compliance with the emission limitation(s) in section A.I. of the terms and conditions of this permit shall be determined in accordance with the following method(s):

   a. Emission Limitations:
   0.51 lb PE/hr & 2.23 tons PE/yr

   Applicable Compliance Method:
   The permittee may demonstrate compliance with this emission limitation by multiplying the maximum outlet grain loading emission factor of 0.002 gr/dscf by the maximum volumetric air flow rate of 30000 acfm and converting to pounds/hour by multiplying by 60 min/hr and dividing by 7000 gr/lb. If required, the permittee shall demonstrate compliance by testing in accordance with Methods 1-5, 40 CFR 60, Appendix A.

   The annual PE limitation was developed by multiplying the hourly PE limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

   b. Emission Limitation:
   Visible particulate emissions shall not exceed 5% opacity, as a six-minute average.

   Applicable Compliance Method:
   If required, compliance with the visible emission limitation specified above shall be determined in accordance with Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60.

VI. Miscellaneous Requirements

None

B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P059 - Engine machining operation with air washer collection system (AW-34).	None	None

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P060 - Engine machining operation with air washer collection system (AW-40).	OAC rule 3745-31-05(A)(3)	0.43 lb particulate emissions (PE)/hr 1.88 tons PE/yr see A.I.2.a. 5% opacity, as a six-minute average
	OAC rule 3745-17-07(A)	see A.I.2.b.
	OAC rule 3745-17-11(B)(1)	see A.I.2.b.

2. Additional Terms and Conditions

2.a Best Available Technology (BAT) for this emissions unit has been determined to be a maximum outlet grain loading of 0.002 gr/dscf.

2.b The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall perform daily checks, Monday through Friday, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the color of the emissions;
b. whether the emissions are representative of normal operations;
c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
d. the total duration of any visible emission incident; and
e. any corrective actions taken to eliminate the abnormal visible emissions.

2. Notwithstanding the frequency of the monitoring and record keeping requirements specified in section A.III.1., the permittee may reduce the visual observations from daily readings to weekly readings if the following conditions are met:

   a. for 1 full quarter the facility's daily visual observations indicate no abnormal visible emissions; and

   b. the permittee continues to comply with all the record keeping and monitoring requirements specified in section A.III.1., on a weekly basis.

   The permittee shall revert to daily readings if any abnormal visible emissions are observed. The daily readings shall continue for one full quarter. If abnormal visible emissions are observed during this time, the permittee shall continue daily readings until such time that no abnormal visible emissions have been observed for a period of three consecutive months.

3. The permit to install for this emissions unit was evaluated based on information contained in the permit to install application. Prior to any physical change or change in the method of operation involving the engine machining operation and/or air washer collection system associated with this emissions unit, the permittee shall conduct an evaluation to determine if the change would constitute a "modification" as defined in OAC rule 3745-31-01 (VV). If any physical change in, or change(s) in the method of operation is (are) defined as a modification, then the permittee shall obtain a final permit to install modification prior to performing such change. The permittee shall collect, record and retain all evaluation information and the final determination when modification evaluations are performed.

IV. Reporting Requirements

1. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from this emissions unit, and (b) describe any corrective actions taken to eliminate the abnormal visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

V. Testing Requirements

1. Compliance with the emission limitation(s) in section A.I. of the terms and conditions of this permit shall be determined in accordance with the following method(s):

a. Emission Limitations:
0.43 lb PE/hr & 1.88 tons PE/yr

Applicable Compliance Method:
The permittee may demonstrate compliance with this emission limitation by multiplying the maximum outlet grain loading emission factor of 0.002 gr/dscf by the maximum volumetric air flow rate of 25000 acfm and converting to pounds/hour by multiplying by 60 min/hr and dividing by 7000 gr/lb. If required, the permittee shall demonstrate compliance by testing in accordance with Methods 1-5, 40 CFR 60, Appendix A.

The annual PE limitation was developed by multiplying the hourly PE limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

b. Emission Limitation:
Visible particulate emissions shall not exceed 5% opacity, as a six-minute average.

Applicable Compliance Method:
If required, compliance with the visible emission limitation specified above shall be determined in accordance with Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60.

VI. Miscellaneous Requirements

None

B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P060 - Engine machining operation with air washer collection system (AW-40).	None	None

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P061 - Engine machining operation with dust collection system (DC-1).	OAC rule 3745-31-05(A)(3)	0.14 lb particulate emissions (PE)/hr 0.61 ton PE/yr see A.I.2.a. 5% opacity, as a six-minute average
	OAC rule 3745-17-07(A)	see A.I.2.b.
	OAC rule 3745-17-11(B)(1)	see A.I.2.b.

2. Additional Terms and Conditions

2.a Best Available Technology (BAT) for this emissions unit has been determined to be a maximum outlet grain loading of 0.002 gr/dscf.

2.b The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall perform daily checks, Monday through Friday, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the color of the emissions;
b. whether the emissions are representative of normal operations;
c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
d. the total duration of any visible emission incident; and
e. any corrective actions taken to eliminate the abnormal visible emissions.

2. Notwithstanding the frequency of the monitoring and record keeping requirements specified in section A.III.1., the permittee may reduce the visual observations from daily readings to weekly readings if the following conditions are met:

   a. for 1 full quarter the facility's daily visual observations indicate no abnormal visible emissions; and

   b. the permittee continues to comply with all the record keeping and monitoring requirements specified in section A.III.1., on a weekly basis.

   The permittee shall revert to daily readings if any abnormal visible emissions are observed. The daily readings shall continue for one full quarter. If abnormal visible emissions are observed during this time, the permittee shall continue daily readings until such time that no abnormal visible emissions have been observed for a period of three consecutive months.

3. The permit to install for this emissions unit was evaluated based on information contained in the permit to install application. Prior to any physical change or change in the method of operation involving the engine machining operation and/or dust collection system associated with this emissions unit, the permittee shall conduct an evaluation to determine if the change would constitute a "modification" as defined in OAC rule 3745-31-01 (VV). If any physical change in, or change(s) in the method of operation is (are) defined as a modification, then the permittee shall obtain a final permit to install modification prior to performing such change. The permittee shall collect, record and retain all evaluation information and the final determination when modification evaluations are performed.

IV. Reporting Requirements

1. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from this emissions unit, and (b) describe any corrective actions taken to eliminate the abnormal visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

V. Testing Requirements

1. Compliance with the emission limitation(s) in section A.I. of the terms and conditions of this permit shall be determined in accordance with the following method(s):

   a. Emission Limitations:
   0.14 lb PE/hr & 0.61 ton PE/yr

   Applicable Compliance Method:
   The permittee may demonstrate compliance with this emission limitation by multiplying the maximum outlet grain loading emission factor of 0.002 gr/dscf by the maximum volumetric air flow rate of 8000 acfm and converting to pounds/hour by multiplying by 60 min/hr and dividing by 7000 gr/lb. If required, the permittee shall demonstrate compliance by testing in accordance with Method 5, 40 CFR 60, Appendix A.

   The annual PE limitation was developed by multiplying the hourly PE limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

   b. Emission Limitation:
   Visible particulate emissions shall not exceed 5% opacity, as a six-minute average.

   Applicable Compliance Method:
   If required, compliance with the visible emission limitation specified above shall be determined in accordance with Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60.

VI. Miscellaneous Requirements

None

B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P061 - Engine machining operation with dust collection system (DC-1).	None	None

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P062 - Engine machining operation with dust collection system (DC-2).	OAC rule 3745-31-05(A)(3)	0.10 lb particulate emissions (PE)/hr 0.44 ton PE/yr see A.I.2.a. 5% opacity, as a six-minute average
	OAC rule 3745-17-07(A)	see A.I.2.b.
	OAC rule 3745-17-11(B)(1)	see A.I.2.b.

2. Additional Terms and Conditions

2.a Best Available Technology (BAT) for this emissions unit has been determined to be a maximum outlet grain loading of 0.002 gr/dscf.

2.b The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

Emissions Unit ID: P062

1. The permittee shall perform daily checks, Monday through Friday, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the color of the emissions;
b. whether the emissions are representative of normal operations;
c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
d. the total duration of any visible emission incident; and
e. any corrective actions taken to eliminate the abnormal visible emissions.

2. Notwithstanding the frequency of the monitoring and record keeping requirements specified in section A.III.1., the permittee may reduce the visual observations from daily readings to weekly readings if the following conditions are met:

   a. for 1 full quarter the facility's daily visual observations indicate no abnormal visible emissions; and

   b. the permittee continues to comply with all the record keeping and monitoring requirements specified in section A.III.1., on a weekly basis.

   The permittee shall revert to daily readings if any abnormal visible emissions are observed. The daily readings shall continue for one full quarter. If abnormal visible emissions are observed during this time, the permittee shall continue daily readings until such time that no abnormal visible emissions have been observed for a period of three consecutive months.

3. The permit to install for this emissions unit was evaluated based on information contained in the permit to install application. Prior to any physical change or change in the method of operation involving the engine machining operation and/or dust collection system associated with this emissions unit, the permittee shall conduct an evaluation to determine if the change would constitute a "modification" as defined in OAC rule 3745-31-01 (VV). If any physical change in, or change(s) in the method of operation is (are) defined as a modification, then the permittee shall obtain a final permit to install modification prior to performing such change. The permittee shall collect, record and retain all evaluation information and the final determination when modification evaluations are performed.

IV. Reporting Requirements

1. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from this emissions unit, and (b) describe any corrective actions taken to eliminate the abnormal visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

V. Testing Requirements

1. Compliance with the emission limitation(s) in section A.I. of the terms and conditions of this permit shall be determined in accordance with the following method(s):

   a. Emission Limitations:
   0.10 lb PE/hr & 0.44 ton PE/yr

   Applicable Compliance Method:
   The permittee may demonstrate compliance with this emission limitation by multiplying the maximum outlet grain loading emission factor of 0.002 gr/dscf by the maximum volumetric air flow rate of 6000 acfm and converting to pounds/hour by multiplying by 60 min/hr and dividing by 7000 gr/lb. If required, the permittee shall demonstrate compliance by testing in accordance with Method 5, 40 CFR 60, Appendix A.

   The annual PE limitation was developed by multiplying the hourly PE limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

   b. Emission Limitation:
   Visible particulate emissions shall not exceed 5% opacity, as a six-minute average.

   Applicable Compliance Method:
   If required, compliance with the visible emission limitation specified above shall be determined in accordance with Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60.

VI. Miscellaneous Requirements

None

B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P062 - Engine machining operation with dust collection system (DC-2).	None	None

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P063 - Engine machining operation with dust collection system (DC-3).	OAC rule 3745-31-05(A)(3)	0.19 lb particulate emissions (PE)/hr 0.83 ton PE/yr see A.I.2.a. 5% opacity, as a six-minute average
	OAC rule 3745-17-07(A)	see A.I.2.b.
	OAC rule 3745-17-11(B)(1)	see A.I.2.b.

2. Additional Terms and Conditions

2.a Best Available Technology (BAT) for this emissions unit has been determined to be a maximum outlet grain loading of 0.002 gr/dscf.

2.b The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall perform daily checks, Monday through Friday, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the color of the emissions;
b. whether the emissions are representative of normal operations;
c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
d. the total duration of any visible emission incident; and
e. any corrective actions taken to eliminate the abnormal visible emissions.

2. Notwithstanding the frequency of the monitoring and record keeping requirements specified in section A.III.1., the permittee may reduce the visual observations from daily readings to weekly readings if the following conditions are met:

   a. for 1 full quarter the facility's daily visual observations indicate no abnormal visible emissions; and

   b. the permittee continues to comply with all the record keeping and monitoring requirements specified in section A.III.1., on a weekly basis.

   The permittee shall revert to daily readings if any abnormal visible emissions are observed. The daily readings shall continue for one full quarter. If abnormal visible emissions are observed during this time, the permittee shall continue daily readings until such time that no abnormal visible emissions have been observed for a period of three consecutive months.

3. The permit to install for this emissions unit was evaluated based on information contained in the permit to install application. Prior to any physical change or change in the method of operation involving the engine machining operation and/or dust collection system associated with this emissions unit, the permittee shall conduct an evaluation to determine if the change would constitute a "modification" as defined in OAC rule 3745-31-01 (VV). If any physical change in, or change(s) in the method of operation is (are) defined as a modification, then the permittee shall obtain a final permit to install modification prior to performing such change. The permittee shall collect, record and retain all evaluation information and the final determination when modification evaluations are performed.

IV. Reporting Requirements

1. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from this emissions unit, and (b) describe any corrective actions taken to eliminate the abnormal visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

V. Testing Requirements

1. Compliance with the emission limitation(s) in section A.I. of the terms and conditions of this permit shall be determined in accordance with the following method(s):

   a. Emission Limitations:
   0.19 lb PE/hr & 0.83 ton PE/yr

   Applicable Compliance Method:
   The permittee may demonstrate compliance with this emission limitation by multiplying the maximum outlet grain loading emission factor of 0.002 gr/dscf by the maximum volumetric air flow rate of 11000 acfm and converting to pounds/hour by multiplying by 60 min/hr and dividing by 7000 gr/lb. If required, the permittee shall demonstrate compliance by testing in accordance with Method 5, 40 CFR 60, Appendix A.

   The annual PE limitation was developed by multiplying the hourly PE limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

   b. Emission Limitation:
   Visible particulate emissions shall not exceed 5% opacity, as a six-minute average.

   Applicable Compliance Method:
   If required, compliance with the visible emission limitation specified above shall be determined in accordance with Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60.

VI. Miscellaneous Requirements

None

B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P063 - Engine machining operation with dust collection system (DC-3).	None	None

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P064 - Engine machining operation with dust collection system (DC-4).	OAC rule 3745-31-05(A)(3)	0.22 lb particulate emissions (PE)/hr 0.96 ton PE/yr see A.I.2.a. 5% opacity, as a six-minute average
	OAC rule 3745-17-07(A)	see A.I.2.b.
	OAC rule 3745-17-11(B)(1)	see A.I.2.b.

2. Additional Terms and Conditions

2.a Best Available Technology (BAT) for this emissions unit has been determined to be a maximum outlet grain loading of 0.002 gr/dscf.

2.b The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

Emissions Unit ID: P064

1. The permittee shall perform daily checks, Monday through Friday, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the color of the emissions;
b. whether the emissions are representative of normal operations;
c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
d. the total duration of any visible emission incident; and
e. any corrective actions taken to eliminate the abnormal visible emissions.

2. Notwithstanding the frequency of the monitoring and record keeping requirements specified in section A.III.1., the permittee may reduce the visual observations from daily readings to weekly readings if the following conditions are met:

   a. for 1 full quarter the facility's daily visual observations indicate no abnormal visible emissions; and

   b. the permittee continues to comply with all the record keeping and monitoring requirements specified in section A.III.1., on a weekly basis.

   The permittee shall revert to daily readings if any abnormal visible emissions are observed. The daily readings shall continue for one full quarter. If abnormal visible emissions are observed during this time, the permittee shall continue daily readings until such time that no abnormal visible emissions have been observed for a period of three consecutive months.

3. The permit to install for this emissions unit was evaluated based on information contained in the permit to install application. Prior to any physical change or change in the method of operation involving the engine machining operation and/or dust collection system associated with this emissions unit, the permittee shall conduct an evaluation to determine if the change would constitute a "modification" as defined in OAC rule 3745-31-01 (VV). If any physical change in, or change(s) in the method of operation is (are) defined as a modification, then the permittee shall obtain a final permit to install modification prior to performing such change. The permittee shall collect, record and retain all evaluation information and the final determination when modification evaluations are performed.

IV. Reporting Requirements

1. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from this emissions unit, and (b) describe any corrective actions taken to eliminate the abnormal visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

V. Testing Requirements

1. Compliance with the emission limitation(s) in section A.I. of the terms and conditions of this permit shall be determined in accordance with the following method(s):

   a. Emission Limitations:
   0.22 lb PE/hr & 0.96 ton PE/yr

   Applicable Compliance Method:
   The permittee may demonstrate compliance with this emission limitation by multiplying the maximum outlet grain loading emission factor of 0.002 gr/dscf by the maximum volumetric air flow rate of 12800 acfm and converting to pounds/hour by multiplying by 60 min/hr and dividing by 7000 gr/lb. If required, the permittee shall demonstrate compliance by testing in accordance with Method 5, 40 CFR 60, Appendix A.

   The annual PE limitation was developed by multiplying the hourly PE limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

   b. Emission Limitation:
   Visible particulate emissions shall not exceed 5% opacity, as a six-minute average.

   Applicable Compliance Method:
   If required, compliance with the visible emission limitation specified above shall be determined in accordance with Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60.

VI. Miscellaneous Requirements

None

B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P064 - Engine machining operation with dust collection system (DC-4).	None	None

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P065 - Engine machining operation with dust collection system (DC-5).	OAC rule 3745-31-05(A)(3)	0.08 lb particulate emissions (PE)/hr 0.35 ton PE/yr see A.I.2.a. 5% opacity, as a six-minute average
	OAC rule 3745-17-07(A)	see A.I.2.b.
	OAC rule 3745-17-11(B)(1)	see A.I.2.b.

2. Additional Terms and Conditions

2.a Best Available Technology (BAT) for this emissions unit has been determined to be a maximum outlet grain loading of 0.002 gr/dscf.

2.b The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall perform daily checks, Monday through Friday, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the color of the emissions;
b. whether the emissions are representative of normal operations;
c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
d. the total duration of any visible emission incident; and
e. any corrective actions taken to eliminate the abnormal visible emissions.

2. Notwithstanding the frequency of the monitoring and record keeping requirements specified in section A.III.1., the permittee may reduce the visual observations from daily readings to weekly readings if the following conditions are met:

   a. for 1 full quarter the facility's daily visual observations indicate no abnormal visible emissions; and

   b. the permittee continues to comply with all the record keeping and monitoring requirements specified in section A.III.1., on a weekly basis.

   The permittee shall revert to daily readings if any abnormal visible emissions are observed. The daily readings shall continue for one full quarter. If abnormal visible emissions are observed during this time, the permittee shall continue daily readings until such time that no abnormal visible emissions have been observed for a period of three consecutive months.

3. The permit to install for this emissions unit was evaluated based on information contained in the permit to install application. Prior to any physical change or change in the method of operation involving the engine machining operation and/or dust collection system associated with this emissions unit, the permittee shall conduct an evaluation to determine if the change would constitute a "modification" as defined in OAC rule 3745-31-01 (VV). If any physical change in, or change(s) in the method of operation is (are) defined as a modification, then the permittee shall obtain a final permit to install modification prior to performing such change. The permittee shall collect, record and retain all evaluation information and the final determination when modification evaluations are performed.

IV. Reporting Requirements

1. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from this emissions unit, and (b) describe any corrective actions taken to eliminate the abnormal visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

V. Testing Requirements

1. Compliance with the emission limitation(s) in section A.I. of the terms and conditions of this permit shall be determined in accordance with the following method(s):

   a. Emission Limitations:
   0.08 lb PE/hr & 0.35 ton PE/yr

   Applicable Compliance Method:
   The permittee may demonstrate compliance with this emission limitation by multiplying the maximum outlet grain loading emission factor of 0.002 gr/dscf by the maximum volumetric air flow rate of 4900 acfm and converting to pounds/hour by multiplying by 60 min/hr and dividing by 7000 gr/lb. If required, the permittee shall demonstrate compliance by testing in accordance with Method 5, 40 CFR 60, Appendix A.

   The annual PE limitation was developed by multiplying the hourly PE limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

   b. Emission Limitation:
   Visible particulate emissions shall not exceed 5% opacity, as a six-minute average.

   Applicable Compliance Method:
   If required, compliance with the visible emission limitation specified above shall be determined in accordance with Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60.

VI. Miscellaneous Requirements

None

B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P065 - Engine machining operation with dust collection system (DC-5).	None	None

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P066 - Engine machining operation with dust collection system (DC-6).	OAC rule 3745-31-05(A)(3)	0.09 lb particulate emissions (PE)/hr 0.39 ton PE/yr see A.I.2.a. 5% opacity, as a six-minute average
	OAC rule 3745-17-07(A)	see A.I.2.b.
	OAC rule 3745-17-11(B)(1)	see A.I.2.b.

2. Additional Terms and Conditions

2.a Best Available Technology (BAT) for this emissions unit has been determined to be a maximum outlet grain loading of 0.002 gr/dscf.

2.b The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall perform daily checks, Monday through Friday, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the color of the emissions;
b. whether the emissions are representative of normal operations;
c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
d. the total duration of any visible emission incident; and
e. any corrective actions taken to eliminate the abnormal visible emissions.

2. Notwithstanding the frequency of the monitoring and record keeping requirements specified in section A.III.1., the permittee may reduce the visual observations from daily readings to weekly readings if the following conditions are met:

   a. for 1 full quarter the facility's daily visual observations indicate no abnormal visible emissions; and

   b. the permittee continues to comply with all the record keeping and monitoring requirements specified in section A.III.1., on a weekly basis.

   The permittee shall revert to daily readings if any abnormal visible emissions are observed. The daily readings shall continue for one full quarter. If abnormal visible emissions are observed during this time, the permittee shall continue daily readings until such time that no abnormal visible emissions have been observed for a period of three consecutive months.

3. The permit to install for this emissions unit was evaluated based on information contained in the permit to install application. Prior to any physical change or change in the method of operation involving the engine machining operation and/or dust collection system associated with this emissions unit, the permittee shall conduct an evaluation to determine if the change would constitute a "modification" as defined in OAC rule 3745-31-01 (VV). If any physical change in, or change(s) in the method of operation is (are) defined as a modification, then the permittee shall obtain a final permit to install modification prior to performing such change. The permittee shall collect, record and retain all evaluation information and the final determination when modification evaluations are performed.

IV. Reporting Requirements

1. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from this emissions unit, and (b) describe any corrective actions taken to eliminate the abnormal visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

V. Testing Requirements

1. Compliance with the emission limitation(s) in section A.I. of the terms and conditions of this permit shall be determined in accordance with the following method(s):

   a. Emission Limitations:
   0.09 lb PE/hr & 0.39 ton PE/yr

   Applicable Compliance Method:
   The permittee may demonstrate compliance with this emission limitation by multiplying the maximum outlet grain loading emission factor of 0.002 gr/dscf by the maximum volumetric air flow rate of 5000 acfm and converting to pounds/hour by multiplying by 60 min/hr and dividing by 7000 gr/lb. If required, the permittee shall demonstrate compliance by testing in accordance with Method 5, 40 CFR 60, Appendix A.

   The annual PE limitation was developed by multiplying the hourly PE limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

   b. Emission Limitation:
   Visible particulate emissions shall not exceed 5% opacity, as a six-minute average.

   Applicable Compliance Method:
   If required, compliance with the visible emission limitation specified above shall be determined in accordance with Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60.

VI. Miscellaneous Requirements

None

B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P066 - Engine machining operation with dust collection system (DC-6).	None	None

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P067 - Engine machining operation with dust collection system (DC-7).	OAC rule 3745-31-05(A)(3)	0.09 lb particulate emissions (PE)/hr 0.39 ton PE/yr see A.I.2.a. 5% opacity, as a six-minute average
	OAC rule 3745-17-07(A)	see A.I.2.b.
	OAC rule 3745-17-11(B)(1)	see A.I.2.b.

2. Additional Terms and Conditions

2.a Best Available Technology (BAT) for this emissions unit has been determined to be a maximum outlet grain loading of 0.002 gr/dscf.

2.b The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall perform daily checks, Monday through Friday, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the color of the emissions;
b. whether the emissions are representative of normal operations;
c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
d. the total duration of any visible emission incident; and
e. any corrective actions taken to eliminate the abnormal visible emissions.

2. Notwithstanding the frequency of the monitoring and record keeping requirements specified in section A.III.1., the permittee may reduce the visual observations from daily readings to weekly readings if the following conditions are met:

   a. for 1 full quarter the facility's daily visual observations indicate no abnormal visible emissions; and

   b. the permittee continues to comply with all the record keeping and monitoring requirements specified in section A.III.1., on a weekly basis.

   The permittee shall revert to daily readings if any abnormal visible emissions are observed. The daily readings shall continue for one full quarter. If abnormal visible emissions are observed during this time, the permittee shall continue daily readings until such time that no abnormal visible emissions have been observed for a period of three consecutive months.

3. The permit to install for this emissions unit was evaluated based on information contained in the permit to install application. Prior to any physical change or change in the method of operation involving the engine machining operation and/or dust collection system associated with this emissions unit, the permittee shall conduct an evaluation to determine if the change would constitute a "modification" as defined in OAC rule 3745-31-01 (VV). If any physical change in, or change(s) in the method of operation is (are) defined as a modification, then the permittee shall obtain a final permit to install modification prior to performing such change. The permittee shall collect, record and retain all evaluation information and the final determination when modification evaluations are performed.

IV. Reporting Requirements

1. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from this emissions unit, and (b) describe any corrective actions taken to eliminate the abnormal visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

V. Testing Requirements

1. Compliance with the emission limitation(s) in section A.I. of the terms and conditions of this permit shall be determined in accordance with the following method(s):

a. Emission Limitations:
0.09 lb PE/hr & 0.39 ton PE/yr

Applicable Compliance Method:
The permittee may demonstrate compliance with this emission limitation by multiplying the maximum outlet grain loading emission factor of 0.002 gr/dscf by the maximum volumetric air flow rate of 5000 acfm and converting to pounds/hour by multiplying by 60 min/hr and dividing by 7000 gr/lb. If required, the permittee shall demonstrate compliance by testing in accordance with Method 5, 40 CFR 60, Appendix A.

The annual PE limitation was developed by multiplying the hourly PE limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

b. Emission Limitation:
Visible particulate emissions shall not exceed 5% opacity, as a six-minute average.

Applicable Compliance Method:
If required, compliance with the visible emission limitation specified above shall be determined in accordance with Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60.

VI. Miscellaneous Requirements

None

B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P067 - Engine machining operation with dust collection system (DC-7).	None	None

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P068 - Engine machining operation with dust collection system (DC-8).	OAC rule 3745-31-05(A)(3)	0.17 lb particulate emissions (PE)/hr 0.74 ton PE/yr see A.I.2.a. 5% opacity, as a six-minute average
	OAC rule 3745-17-07(A)	see A.I.2.b.
	OAC rule 3745-17-11(B)(1)	see A.I.2.b.

2. Additional Terms and Conditions

2.a Best Available Technology (BAT) for this emissions unit has been determined to be a maximum outlet grain loading of 0.002 gr/dscf.

2.b The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall perform daily checks, Monday through Friday, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the color of the emissions;
b. whether the emissions are representative of normal operations;
c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
d. the total duration of any visible emission incident; and
e. any corrective actions taken to eliminate the abnormal visible emissions.

2. Notwithstanding the frequency of the monitoring and record keeping requirements specified in section A.III.1., the permittee may reduce the visual observations from daily readings to weekly readings if the following conditions are met:

   a. for 1 full quarter the facility's daily visual observations indicate no abnormal visible emissions; and

   b. the permittee continues to comply with all the record keeping and monitoring requirements specified in section A.III.1., on a weekly basis.

   The permittee shall revert to daily readings if any abnormal visible emissions are observed. The daily readings shall continue for one full quarter. If abnormal visible emissions are observed during this time, the permittee shall continue daily readings until such time that no abnormal visible emissions have been observed for a period of three consecutive months.

3. The permit to install for this emissions unit was evaluated based on information contained in the permit to install application. Prior to any physical change or change in the method of operation involving the engine machining operation and/or dust collection system associated with this emissions unit, the permittee shall conduct an evaluation to determine if the change would constitute a "modification" as defined in OAC rule 3745-31-01 (VV). If any physical change in, or change(s) in the method of operation is (are) defined as a modification, then the permittee shall obtain a final permit to install modification prior to performing such change. The permittee shall collect, record and retain all evaluation information and the final determination when modification evaluations are performed.

IV. Reporting Requirements

1. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from this emissions unit, and (b) describe any corrective actions taken to eliminate the abnormal visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

V. Testing Requirements

1. Compliance with the emission limitation(s) in section A.I. of the terms and conditions of this permit shall be determined in accordance with the following method(s):

   a. Emission Limitations:
   0.17 lb PE/hr & 0.74 ton PE/yr

   Applicable Compliance Method:
   The permittee may demonstrate compliance with this emission limitation by multiplying the maximum outlet grain loading emission factor of 0.002 gr/dscf by the maximum volumetric air flow rate of 10200 acfm and converting to pounds/hour by multiplying by 60 min/hr and dividing by 7000 gr/lb. If required, the permittee shall demonstrate compliance by testing in accordance with Method 5, 40 CFR 60, Appendix A.

   The annual PE limitation was developed by multiplying the hourly PE limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

   b. Emission Limitation:
   Visible particulate emissions shall not exceed 5% opacity, as a six-minute average.

   Applicable Compliance Method:
   If required, compliance with the visible emission limitation specified above shall be determined in accordance with Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60.

VI. Miscellaneous Requirements

None

B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P068 - Engine machining operation with dust collection system (DC-8).	None	None

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P069 - Engine machining operation with dust collection system (DC-9).	OAC rule 3745-31-05(A)(3)	0.17 lb particulate emissions (PE)/hr 0.74 tons PE/yr see A.I.2.a. 5% opacity, as a six-minute average
	OAC rule 3745-17-07(A)	see A.I.2.b.
	OAC rule 3745-17-11(B)(1)	see A.I.2.b.

2. Additional Terms and Conditions

2.a Best Available Technology (BAT) for this emissions unit has been determined to be a maximum outlet grain loading of 0.002 gr/dscf.

2.b The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

Emissions Unit ID: P069

1. The permittee shall perform daily checks, Monday through Friday, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the color of the emissions;
b. whether the emissions are representative of normal operations;
c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
d. the total duration of any visible emission incident; and
e. any corrective actions taken to eliminate the abnormal visible emissions.

2. Notwithstanding the frequency of the monitoring and record keeping requirements specified in section A.III.1., the permittee may reduce the visual observations from daily readings to weekly readings if the following conditions are met:

   a. for 1 full quarter the facility's daily visual observations indicate no abnormal visible emissions; and

   b. the permittee continues to comply with all the record keeping and monitoring requirements specified in section A.III.1., on a weekly basis.

   The permittee shall revert to daily readings if any abnormal visible emissions are observed. The daily readings shall continue for one full quarter. If abnormal visible emissions are observed during this time, the permittee shall continue daily readings until such time that no abnormal visible emissions have been observed for a period of three consecutive months.

3. The permit to install for this emissions unit was evaluated based on information contained in the permit to install application. Prior to any physical change or change in the method of operation involving the engine machining operation and/or dust collection system associated with this emissions unit, the permittee shall conduct an evaluation to determine if the change would constitute a "modification" as defined in OAC rule 3745-31-01 (VV). If any physical change in, or change(s) in the method of operation is (are) defined as a modification, then the permittee shall obtain a final permit to install modification prior to performing such change. The permittee shall collect, record and retain all evaluation information and the final determination when modification evaluations are performed.

IV. Reporting Requirements

1. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from this emissions unit, and (b) describe any corrective actions taken to eliminate the abnormal visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

V. Testing Requirements

1. Compliance with the emission limitation(s) in section A.I. of the terms and conditions of this permit shall be determined in accordance with the following method(s):

   a. Emission Limitations:
   0.17 lb PE/hr & 0.74 ton PE/yr

   Applicable Compliance Method:
   The permittee may demonstrate compliance with this emission limitation by multiplying the maximum outlet grain loading emission factor of 0.002 gr/dscf by the maximum volumetric air flow rate of 10000 acfm and converting to pounds/hour by multiplying by 60 min/hr and dividing by 7000 gr/lb. If required, the permittee shall demonstrate compliance by testing in accordance with Method 5, 40 CFR 60, Appendix A.

   The annual PE limitation was developed by multiplying the hourly PE limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

   b. Emission Limitation:
   Visible particulate emissions shall not exceed 5% opacity, as a six-minute average.

   Applicable Compliance Method:
   If required, compliance with the visible emission limitation specified above shall be determined in accordance with Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60.

VI. Miscellaneous Requirements

None

B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P069 - Engine machining operation with dust collection system (DC-9).	None	None

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P070 - Engine machining operation with dust collection system (DC-10).	OAC rule 3745-31-05(A)(3)	0.07 lb particulate emissions (PE)/hr 0.31 ton PE/yr see A.I.2.a. 5% opacity, as a six-minute average
	OAC rule 3745-17-07(A)	see A.I.2.b.
	OAC rule 3745-17-11(B)(1)	see A.I.2.b.

2. Additional Terms and Conditions

2.a Best Available Technology (BAT) for this emissions unit has been determined to be a maximum outlet grain loading of 0.002 gr/dscf.

2.b The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall perform daily checks, Monday through Friday, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the color of the emissions;
b. whether the emissions are representative of normal operations;
c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
d. the total duration of any visible emission incident; and
e. any corrective actions taken to eliminate the abnormal visible emissions.

2. Notwithstanding the frequency of the monitoring and record keeping requirements specified in section A.III.1., the permittee may reduce the visual observations from daily readings to weekly readings if the following conditions are met:

   a. for 1 full quarter the facility's daily visual observations indicate no abnormal visible emissions; and

   b. the permittee continues to comply with all the record keeping and monitoring requirements specified in section A.III.1., on a weekly basis.

   The permittee shall revert to daily readings if any abnormal visible emissions are observed. The daily readings shall continue for one full quarter. If abnormal visible emissions are observed during this time, the permittee shall continue daily readings until such time that no abnormal visible emissions have been observed for a period of three consecutive months.

3. The permit to install for this emissions unit was evaluated based on information contained in the permit to install application. Prior to any physical change or change in the method of operation involving the engine machining operation and/or dust collection system associated with this emissions unit, the permittee shall conduct an evaluation to determine if the change would constitute a "modification" as defined in OAC rule 3745-31-01 (VV). If any physical change in, or change(s) in the method of operation is (are) defined as a modification, then the permittee shall obtain a final permit to install modification prior to performing such change. The permittee shall collect, record and retain all evaluation information and the final determination when modification evaluations are performed.

IV. Reporting Requirements

1. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from this emissions unit, and (b) describe any corrective actions taken to eliminate the abnormal visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

V. Testing Requirements

1. Compliance with the emission limitation(s) in section A.I. of the terms and conditions of this permit shall be determined in accordance with the following method(s):

   a. Emission Limitations:
   0.07 lb PE/hr & 0.31 ton PE/yr

   Applicable Compliance Method:
   The permittee may demonstrate compliance with this emission limitation by multiplying the maximum outlet grain loading emission factor of 0.002 gr/dscf by the maximum volumetric air flow rate of 4000 acfm and converting to pounds/hour by multiplying by 60 min/hr and dividing by 7000 gr/lb. If required, the permittee shall demonstrate compliance by testing in accordance with Method 5, 40 CFR 60, Appendix A.

   The annual PE limitation was developed by multiplying the hourly PE limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

   b. Emission Limitation:
   Visible particulate emissions shall not exceed 5% opacity, as a six-minute average.

   Applicable Compliance Method:
   If required, compliance with the visible emission limitation specified above shall be determined in accordance with Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60.

VI. Miscellaneous Requirements

None

B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P070 - Engine machining operation with dust collection system (DC-10).	None	None

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P071 - Engine machining operation with dust collection system (DC-13).	OAC rule 3745-31-05(A)(3)	0.05 lb particulate emissions (PE)/hr 0.22 ton PE/yr see A.I.2.a. 5% opacity, as a six-minute average
	OAC rule 3745-17-07(A)	see A.I.2.b.
	OAC rule 3745-17-11(B)(1)	see A.I.2.b.

2. Additional Terms and Conditions

2.a Best Available Technology (BAT) for this emissions unit has been determined to be a maximum outlet grain loading of 0.002 gr/dscf.

2.b The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

Emissions Unit ID: P071

1. The permittee shall perform daily checks, Monday through Friday, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the color of the emissions;
b. whether the emissions are representative of normal operations;
c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
d. the total duration of any visible emission incident; and
e. any corrective actions taken to eliminate the abnormal visible emissions.

2. Notwithstanding the frequency of the monitoring and record keeping requirements specified in section A.III.1., the permittee may reduce the visual observations from daily readings to weekly readings if the following conditions are met:

   a. for 1 full quarter the facility's daily visual observations indicate no abnormal visible emissions; and

   b. the permittee continues to comply with all the record keeping and monitoring requirements specified in section A.III.1., on a weekly basis.

   The permittee shall revert to daily readings if any abnormal visible emissions are observed. The daily readings shall continue for one full quarter. If abnormal visible emissions are observed during this time, the permittee shall continue daily readings until such time that no abnormal visible emissions have been observed for a period of three consecutive months.

3. The permit to install for this emissions unit was evaluated based on information contained in the permit to install application. Prior to any physical change or change in the method of operation involving the engine machining operation and/or dust collection system associated with this emissions unit, the permittee shall conduct an evaluation to determine if the change would constitute a "modification" as defined in OAC rule 3745-31-01 (VV). If any physical change in, or change(s) in the method of operation is (are) defined as a modification, then the permittee shall obtain a final permit to install modification prior to performing such change. The permittee shall collect, record and retain all evaluation information and the final determination when modification evaluations are performed.

IV. Reporting Requirements

1. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from this emissions unit, and (b) describe any corrective actions taken to eliminate the abnormal visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

V. Testing Requirements

1. Compliance with the emission limitation(s) in section A.I. of the terms and conditions of this permit shall be determined in accordance with the following method(s):

   a. Emission Limitations:
   0.05 lb PE/hr & 0.22 ton PE/yr

   Applicable Compliance Method:
   The permittee may demonstrate compliance with this emission limitation by multiplying the maximum outlet grain loading emission factor of 0.002 gr/dscf by the maximum volumetric air flow rate of 3000 acfm and converting to pounds/hour by multiplying by 60 min/hr and dividing by 7000 gr/lb. If required, the permittee shall demonstrate compliance by testing in accordance with Method 5, 40 CFR 60, Appendix A.

   The annual PE limitation was developed by multiplying the hourly PE limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

   b. Emission Limitation:
   Visible particulate emissions shall not exceed 5% opacity, as a six-minute average.

   Applicable Compliance Method:
   If required, compliance with the visible emission limitation specified above shall be determined in accordance with Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60.

VI. Miscellaneous Requirements

None

B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P071 - Engine machining operation with dust collection system (DC-13).	None	None

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P072 - Engine machining operation with dust collection system (DC-14).	OAC rule 3745-31-05(A)(3)	0.07 lb particulate emissions (PE)/hr 0.31 ton PE/yr see A.I.2.a. 5% opacity, as a six-minute average
	OAC rule 3745-17-07(A)	see A.I.2.b.
	OAC rule 3745-17-11(B)(1)	see A.I.2.b.

2. Additional Terms and Conditions

2.a Best Available Technology (BAT) for this emissions unit has been determined to be a maximum outlet grain loading of 0.002 gr/dscf.

2.b The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall perform daily checks, Monday through Friday, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the color of the emissions;
b. whether the emissions are representative of normal operations;
c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
d. the total duration of any visible emission incident; and
e. any corrective actions taken to eliminate the abnormal visible emissions.

2. Notwithstanding the frequency of the monitoring and record keeping requirements specified in section A.III.1., the permittee may reduce the visual observations from daily readings to weekly readings if the following conditions are met:

   a. for 1 full quarter the facility's daily visual observations indicate no abnormal visible emissions; and

   b. the permittee continues to comply with all the record keeping and monitoring requirements specified in section A.III.1., on a weekly basis.

   The permittee shall revert to daily readings if any abnormal visible emissions are observed. The daily readings shall continue for one full quarter. If abnormal visible emissions are observed during this time, the permittee shall continue daily readings until such time that no abnormal visible emissions have been observed for a period of three consecutive months.

3. The permit to install for this emissions unit was evaluated based on information contained in the permit to install application. Prior to any physical change or change in the method of operation involving the engine machining operation and/or dust collection system associated with this emissions unit, the permittee shall conduct an evaluation to determine if the change would constitute a "modification" as defined in OAC rule 3745-31-01 (VV). If any physical change in, or change(s) in the method of operation is (are) defined as a modification, then the permittee shall obtain a final permit to install modification prior to performing such change. The permittee shall collect, record and retain all evaluation information and the final determination when modification evaluations are performed.

IV. Reporting Requirements

1. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from this emissions unit, and (b) describe any corrective actions taken to eliminate the abnormal visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

V. Testing Requirements

1. Compliance with the emission limitation(s) in section A.I. of the terms and conditions of this permit shall be determined in accordance with the following method(s):

   a. Emission Limitations:
   0.07 lb PE/hr & 0.31 ton PE/yr

   Applicable Compliance Method:
   The permittee may demonstrate compliance with this emission limitation by multiplying the maximum outlet grain loading emission factor of 0.002 gr/dscf by the maximum volumetric air flow rate of 4200 acfm and converting to pounds/hour by multiplying by 60 min/hr and dividing by 7000 gr/lb. If required, the permittee shall demonstrate compliance by testing in accordance with Method 5, 40 CFR 60, Appendix A.

   The annual PE limitation was developed by multiplying the hourly PE limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

   b. Emission Limitation:
   Visible particulate emissions shall not exceed 5% opacity, as a six-minute average.

   Applicable Compliance Method:
   If required, compliance with the visible emission limitation specified above shall be determined in accordance with Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60.

VI. Miscellaneous Requirements

None

B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P072 - Engine machining operation with dust collection system (DC-14).	None	None

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P073 - Engine machining operation with dust collection system (DC-15).	OAC rule 3745-31-05(A)(3)	0.17 lb particulate emissions (PE)/hr 0.74 ton PE/yr see A.I.2.a. 5% opacity, as a six-minute average
	OAC rule 3745-17-07(A)	see A.I.2.b.
	OAC rule 3745-17-11(B)(1)	see A.I.2.b.

2. Additional Terms and Conditions

2.a Best Available Technology (BAT) for this emissions unit has been determined to be a maximum outlet grain loading of 0.002 gr/dscf.

2.b The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall perform daily checks, Monday through Friday, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

a. the color of the emissions;
b. whether the emissions are representative of normal operations;
c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
d. the total duration of any visible emission incident; and
e. any corrective actions taken to eliminate the abnormal visible emissions.

2. Notwithstanding the frequency of the monitoring and record keeping requirements specified in section A.III.1., the permittee may reduce the visual observations from daily readings to weekly readings if the following conditions are met:

   a. for 1 full quarter the facility's daily visual observations indicate no abnormal visible emissions; and

   b. the permittee continues to comply with all the record keeping and monitoring requirements specified in section A.III.1., on a weekly basis.

   The permittee shall revert to daily readings if any abnormal visible emissions are observed. The daily readings shall continue for one full quarter. If abnormal visible emissions are observed during this time, the permittee shall continue daily readings until such time that no abnormal visible emissions have been observed for a period of three consecutive months.

3. The permit to install for this emissions unit was evaluated based on information contained in the permit to install application. Prior to any physical change or change in the method of operation involving the engine machining operation and/or dust collection system associated with this emissions unit, the permittee shall conduct an evaluation to determine if the change would constitute a "modification" as defined in OAC rule 3745-31-01 (VV). If any physical change in, or change(s) in the method of operation is (are) defined as a modification, then the permittee shall obtain a final permit to install modification prior to performing such change. The permittee shall collect, record and retain all evaluation information and the final determination when modification evaluations are performed.

IV. Reporting Requirements

1. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from this emissions unit, and (b) describe any corrective actions taken to eliminate the abnormal visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

V. Testing Requirements

1. Compliance with the emission limitation(s) in section A.I. of the terms and conditions of this permit shall be determined in accordance with the following method(s):

   a. Emission Limitations:
   0.17 lb PE/hr & 0.74 ton PE/yr

   Applicable Compliance Method:
   The permittee may demonstrate compliance with this emission limitation by multiplying the maximum outlet grain loading emission factor of 0.002 gr/dscf by the maximum volumetric air flow rate of 10000 acfm and converting to pounds/hour by multiplying by 60 min/hr and dividing by 7000 gr/lb. If required, the permittee shall demonstrate compliance by testing in accordance with Method 5, 40 CFR 60, Appendix A.

   The annual PE limitation was developed by multiplying the hourly PE limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

   b. Emission Limitation:
   Visible particulate emissions shall not exceed 5% opacity, as a six-minute average.

   Applicable Compliance Method:
   If required, compliance with the visible emission limitation specified above shall be determined in accordance with Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60.

VI. Miscellaneous Requirements

None

B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P073 - Engine machining operation with dust collection system (DC-15).	None	None

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P074 - Engine machining operation with oil mist collection system (MC-2).	OAC rule 3745-31-05(A)(3)	0.12 lb particulate emissions (PE)/hr 0.53 ton PE/yr 1.71 lbs organic compounds (OC)/hr 7.49 tons OC/yr 10% opacity, as a six-minute average see A.I.2.a.
	OAC rule 3745-17-07(A)	see A.I.2.b.
	OAC rule 3745-17-11(B)(1)	see A.I.2.b.
	OAC rule 3745-21-07(G)(2)	see A.II.1.

2. Additional Terms and Conditions

2.a Best Available Technology (BAT) for this emissions unit has been determined to be a maximum outlet grain loading of 0.0007 gr PE/dscf and 0.01 gr VOC/wscf.

2.b The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

II. Operational Restrictions

1. The use of photochemically reactive materials, as defined in OAC rule 3745-21-01(C)(5), in this emissions unit is prohibited.

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain monthly records of the following information for this emissions unit:

   a. the company identification for each metal working fluid employed in this emissions unit; and,

   b. documentation on whether or not each metal working fluid employed is a photochemically reactive material.

2. The permittee shall perform daily checks, Monday through Friday, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

   a. the color of the emissions;
   b. whether the emissions are representative of normal operations;
   c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
   d. the total duration of any visible emission incident; and
   e. any corrective actions taken to eliminate the abnormal visible emissions.

3. Notwithstanding the frequency of the monitoring and record keeping requirements specified in section A.III.2., the permittee may reduce the visual observations from daily readings to weekly readings if the following conditions are met:

   a. for 1 full quarter the facility's daily visual observations indicate no abnormal visible emissions; and

   b. the permittee continues to comply with all the record keeping and monitoring requirements specified in section A.III.1., on a weekly basis.

   The permittee shall revert to daily readings if any abnormal visible emissions are observed. The daily readings shall continue for one full quarter. If abnormal visible emissions are observed during this time, the permittee shall continue daily readings until such time that no abnormal visible emissions have been observed for a period of three consecutive months.

4. The permit to install for this emissions unit was evaluated based on information contained in the permit to install application. Prior to any physical change or change in the method of operation

involving the engine machining operation and/or oil collection system associated with this emissions unit, the permittee shall conduct an evaluation to determine if the change would constitute a "modification" as defined in OAC rule 3745-31-01 (VV). If any physical change in, or change(s) in the method of operation is (are) defined as a modification, then the permittee shall obtain a final permit to install modification prior to performing such change. The permittee shall collect, record and retain all evaluation information and the final determination when modification evaluations are performed.

IV. Reporting Requirements

1. The permittee shall notify the Director (the appropriate Ohio EPA District Office) in writing of any daily record showing the use of any photochemically reactive material in this emissions unit. The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office) within 45 days after the event occurs.

2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from this emissions unit, and (b) describe any corrective actions taken to eliminate the abnormal visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

V. Testing Requirements

1. Compliance with the emission limitation(s) in section A.I. of the terms and conditions of this permit shall be determined in accordance with the following method(s):

   a. <u>Emission Limitations:</u>
   0.12 lb PE/hr & 0.53 ton PE/yr

   <u>Applicable Compliance Method:</u>
   The permittee may demonstrate compliance with this emission limitation by multiplying the outlet grain loading emission factor of 0.0007 gr/dscf by the maximum volumetric air flow rate of 20000 acfm and converting to pounds/hour by multiplying by 60 min/hr and dividing by 7000 gr/lb. If required, the permittee shall demonstrate compliance by testing in accordance with Method 5, 40 CFR 60, Appendix A.

   The annual PE limitation was developed by multiplying the hourly PE limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

   b. <u>Emission Limitations:</u>
   1.71 lbs OC/hr & 7.49 tons OC/yr

Applicable Compliance Method:
The permittee may demonstrate compliance with this emissions limitation by multiplying the outlet grain loading emission factor of 0.01 gr/wscf by the maximum volumetric air flow rate of 20000 wscf and converting to pounds/hour by multiplying by 60 min/hr and dividing by 7000 gr/lb. Compliance shall be demonstrated by the monitoring and recordkeeping specified in A.III.2

The annual OC limitation was developed by multiplying the hourly OC limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

c. Emission Limitation:
Visible particulate emissions shall not exceed 10% opacity, as a six-minute average.

Applicable Compliance Method:
If required, compliance with the visible emission limitation specified above shall be determined in accordance with Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60.

VI. Miscellaneous Requirements

None

B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P074 - Engine machining operation with oil mist collection system (MC-2).	None	See B.III.

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

1. The permit to install for this emissions unit was evaluated based on the actual materials (metal working fluids) and the design parameters of the emissions unit's exhaust system, as specified by the permittee in the permit to install application. The Ohio EPA's "Review of New Sources of Air Toxic Emissions" policy ("Air Toxic Policy") was applied for each pollutant emitted by this emissions unit using data from the permit to install application and the SCREEN 3.0 model (or other Ohio EPA approved model). The predicted 1-hour maximum ground-level concentration from the use of the SCREEN 3.0 model was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC). The following summarizes the results of the modeling for the "worst case" pollutant(s):

Pollutant: petroleum distillates (stoddard solvent)

TLV (mg/m3): 342,300 mg/m3

Maximum Hourly Emission Rate (lbs/hr): 8.11*

Predicted 1-Hour Maximum Ground-Level
Concentration (ug/m3): 897.4

MAGLC (ug/m3): 13,633.3

*The hourly emission rate is a combined limit from all of the oil mist collectors that were installed at the Ford Motor Company in 1994 (P079, P085, P086, P087, P088, P089, P090, P091, P092, and P093). This limit reflects the largest annual increase of VOC from the oil mist collectors contained in this PTI.

2. Physical changes to or changes in the method of operation of the emissions unit after its installation or modification could affect the parameters used to determine whether or not the "Air Toxic Policy" is satisfied. Consequently, prior to making a change that could impact such parameters, the permittee shall conduct an evaluation to determine that the "Air Toxic Policy" will still be satisfied. If, upon evaluation, the permittee determines that the "Air Toxic Policy" will not be satisfied, the permittee will not make the change. Changes that can affect the parameters used in applying the "Air Toxic Policy" include the following:

   a. changes in the composition of the materials used (coatings or cleanup materials), or the use of new materials, that would result in the emission of a compound with a lower Threshold Limit Value (TLV), as indicated in the most recent version of the handbook entitled "American Conference of Governmental Industrial Hygienists (ACGIH)," than the lowest TLV value previously modeled;

   b. changes in the composition of the materials, or use of new materials, that would result in an increase in emissions of any pollutant with a listed TLV that was proposed in the application and modeled; and

   c. physical changes to the emissions unit or its exhaust parameters (e.g., increased/ decreased exhaust flow, changes in stack height, changes in stack diameter, etc.).

   If the permittee determines that the "Air Toxic Policy" will be satisfied for the above changes, the Ohio EPA will not consider the change(s) to be a "modification" under OAC rule 3745-31-01(VV)(1)(a)(ii), and a modification of the existing permit to install will not be required. If the change(s) is (are) defined as a modification under other provisions of the modification definition (other than (VV)(1)(a)(ii)), then the permittee shall obtain a final permit to install prior to the change.

3. The permittee shall collect, record, and retain the following information when it conducts evaluations to determine that the changed emissions unit will still satisfy the "Air Toxic Policy:"

   a. a description of the parameters changed (composition of materials, new pollutants emitted, change in stack/exhaust parameters, etc.);

b. documentation of its evaluation and determination that the changed emissions unit still satisfies the "Air Toxic Policy"; and

c. where computer modeling is performed, a copy of the resulting computer model runs that show the results of the application of the "Air Toxic Policy" for the change.

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P075 - Engine machining operation with oil mist collection system (MC-3).	OAC rule 3745-31-05(A)(3)	0.03 lb particulate emissions (PE)/hr 0.13 tons PE/yr 0.43 lb organic compounds (OC)/hr 1.88 tons OC/yr 10% opacity, as a six-minute average see A.I.2.a.
	OAC rule 3745-17-07(A)	see A.I.2.b.
	OAC rule 3745-17-11(B)(1)	see A.I.2.b.
	OAC rule 3745-21-07(G)(2)	see A.II.1.

2. Additional Terms and Conditions

2.a Best Available Technology (BAT) for this emissions unit has been determined to be a maximum outlet grain loading of 0.0007 gr PE/dscf and 0.01 gr VOC/wscf.

2.b The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

II. Operational Restrictions

1. The use of photochemically reactive materials, as defined in OAC rule 3745-21-01(C)(5), in this emissions unit is prohibited.

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain monthly records of the following information for this emissions unit:

   a. the company identification for each metal working fluid employed in this emissions unit; and,

   b. documentation on whether or not each metal working fluid employed is a photochemically reactive material.

2. The permittee shall perform daily checks, Monday through Friday, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

   a. the color of the emissions;
   b. whether the emissions are representative of normal operations;
   c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
   d. the total duration of any visible emission incident; and
   e. any corrective actions taken to eliminate the abnormal visible emissions.

3. Notwithstanding the frequency of the monitoring and record keeping requirements specified in section A.III.2., the permittee may reduce the visual observations from daily readings to weekly readings if the following conditions are met:

   a. for 1 full quarter the facility's daily visual observations indicate no abnormal visible emissions; and

   b. the permittee continues to comply with all the record keeping and monitoring requirements specified in section A.III.1., on a weekly basis.

   The permittee shall revert to daily readings if any abnormal visible emissions are observed. The daily readings shall continue for one full quarter. If abnormal visible emissions are observed during this time, the permittee shall continue daily readings until such time that no abnormal visible emissions have been observed for a period of three consecutive months.

4. The permit to install for this emissions unit was evaluated based on information contained in the permit to install application. Prior to any physical change or change in the method of operation

involving the engine machining operation and/or oil collection system associated with this emissions unit, the permittee shall conduct an evaluation to determine if the change would constitute a "modification" as defined in OAC rule 3745-31-01 (VV). If any physical change in, or change(s) in the method of operation is (are) defined as a modification, then the permittee shall obtain a final permit to install modification prior to performing such change. The permittee shall collect, record and retain all evaluation information and the final determination when modification evaluations are performed.

IV. Reporting Requirements

1. The permittee shall notify the Director (the appropriate Ohio EPA District Office) in writing of any daily record showing the use of any photochemically reactive material in this emissions unit. The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office) within 45 days after the event occurs.

2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from this emissions unit, and (b) describe any corrective actions taken to eliminate the abnormal visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

V. Testing Requirements

1. Compliance with the emission limitation(s) in section A.I. of the terms and conditions of this permit shall be determined in accordance with the following method(s):

   a. <u>Emission Limitations:</u>
   0.03 lb PE/hr & 0.13 ton PE/yr

   <u>Applicable Compliance Method:</u>
   The permittee may demonstrate compliance with this emission limitation by multiplying the outlet grain loading emission factor of 0.0007 gr/dscf by the maximum volumetric air flow rate of 5000 acfm and converting to pounds/hour by multiplying by 60 min/hr and dividing by 7000 gr/lb. If required, the permittee shall demonstrate compliance by testing in accordance with Method 5, 40 CFR 60, Appendix A.

   The annual PE limitation was developed by multiplying the hourly PE limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

   b. <u>Emission Limitations:</u>
   0.43 lb OC/hr & 1.88 tons OC/yr

Applicable Compliance Method:
The permittee may demonstrate compliance with this emissions limitation by multiplying the outlet grain loading emission factor of 0.01 gr/wscf by the maximum volumetric air flow rate of 5000 wscf and converting to pounds/hour by multiplying by 60 min/hr and dividing by 7000 gr/lb. Compliance shall be demonstrated by the monitoring and recordkeeping specified in A.III.2

The annual OC limitation was developed by multiplying the hourly OC limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

c. Emission Limitation:
Visible particulate emissions shall not exceed 10% opacity, as a six-minute average.

Applicable Compliance Method:
If required, compliance with the visible emission limitation specified above shall be determined in accordance with Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60.

VI. Miscellaneous Requirements

None

B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P075 - Engine machining operation with oil mist collection system (MC-3).	None	See B.III.

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

1. The permit to install for this emissions unit was evaluated based on the actual materials (metal working fluids) and the design parameters of the emissions unit's exhaust system, as specified by the permittee in the permit to install application. The Ohio EPA's "Review of New Sources of Air Toxic Emissions" policy ("Air Toxic Policy") was applied for each pollutant emitted by this emissions unit using data from the permit to install application and the SCREEN 3.0 model (or other Ohio EPA approved model). The predicted 1-hour maximum ground-level concentration from the use of the SCREEN 3.0 model was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC). The following summarizes the results of the modeling for the "worst case" pollutant(s):

   Pollutant: petroleum distillates (stoddard solvent)

   TLV (mg/m3): 342,300 mg/m3

   Maximum Hourly Emission Rate (lbs/hr): 8.11*

   Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 897.4

MAGLC (ug/m3): 13,633.3

*The hourly emission rate is a combined limit from all of the oil mist collectors that were installed at the Ford Motor Company in 1994 (P079, P085, P086, P087, P088, P089, P090, P091, P092, and P093). This limit reflects the largest annual increase of VOC from the oil mist collectors contained in this PTI.

2. Physical changes to or changes in the method of operation of the emissions unit after its installation or modification could affect the parameters used to determine whether or not the "Air Toxic Policy" is satisfied. Consequently, prior to making a change that could impact such parameters, the permittee shall conduct an evaluation to determine that the "Air Toxic Policy" will still be satisfied. If, upon evaluation, the permittee determines that the "Air Toxic Policy" will not be satisfied, the permittee will not make the change. Changes that can affect the parameters used in applying the "Air Toxic Policy" include the following:

   a. changes in the composition of the materials used (coatings or cleanup materials), or the use of new materials, that would result in the emission of a compound with a lower Threshold Limit Value (TLV), as indicated in the most recent version of the handbook entitled "American Conference of Governmental Industrial Hygienists (ACGIH)," than the lowest TLV value previously modeled;

   b. changes in the composition of the materials, or use of new materials, that would result in an increase in emissions of any pollutant with a listed TLV that was proposed in the application and modeled; and

   c. physical changes to the emissions unit or its exhaust parameters (e.g., increased/ decreased exhaust flow, changes in stack height, changes in stack diameter, etc.).

   If the permittee determines that the "Air Toxic Policy" will be satisfied for the above changes, the Ohio EPA will not consider the change(s) to be a "modification" under OAC rule 3745-31-01(VV)(1)(a)(ii), and a modification of the existing permit to install will not be required. If the change(s) is (are) defined as a modification under other provisions of the modification definition (other than (VV)(1)(a)(ii)), then the permittee shall obtain a final permit to install prior to the change.

3. The permittee shall collect, record, and retain the following information when it conducts evaluations to determine that the changed emissions unit will still satisfy the "Air Toxic Policy:"

   a. a description of the parameters changed (composition of materials, new pollutants emitted, change in stack/exhaust parameters, etc.);

b. documentation of its evaluation and determination that the changed emissions unit still satisfies the "Air Toxic Policy"; and

c. where computer modeling is performed, a copy of the resulting computer model runs that show the results of the application of the "Air Toxic Policy" for the change.

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P076 - Engine machining operation with oil mist collection system (MC-4).	OAC rule 3745-31-05(A)(3)	0.18 lb particulate emissions (PE)/hr 0.79 ton PE/yr 2.57 lbs organic compounds (OC)/hr 11.26 tons OC/yr 10% opacity, as a six-minute average see A.I.2.a.
	OAC rule 3745-17-07(A)	see A.I.2.b.
	OAC rule 3745-17-11(B)(1)	see A.I.2.b.
	OAC rule 3745-21-07(G)(2)	see A.II.1.

2. Additional Terms and Conditions

2.a Best Available Technology (BAT) for this emissions unit has been determined to be a maximum outlet grain loading of 0.0007 gr PE/dscf and 0.01 gr VOC/wscf.

2.b The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

II. Operational Restrictions

1. The use of photochemically reactive materials, as defined in OAC rule 3745-21-01(C)(5), in this emissions unit is prohibited.

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain monthly records of the following information for this emissions unit:

   a. the company identification for each metal working fluid employed in this emissions unit; and,

   b. documentation on whether or not each metal working fluid employed is a photochemically reactive material.

2. The permittee shall perform daily checks, Monday through Friday, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

   a. the color of the emissions;
   b. whether the emissions are representative of normal operations;
   c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
   d. the total duration of any visible emission incident; and
   e. any corrective actions taken to eliminate the abnormal visible emissions.

3. Notwithstanding the frequency of the monitoring and record keeping requirements specified in section A.III.2., the permittee may reduce the visual observations from daily readings to weekly readings if the following conditions are met:

   a. for 1 full quarter the facility's daily visual observations indicate no abnormal visible emissions; and

   b. the permittee continues to comply with all the record keeping and monitoring requirements specified in section A.III.1., on a weekly basis.

   The permittee shall revert to daily readings if any abnormal visible emissions are observed. The daily readings shall continue for one full quarter. If abnormal visible emissions are observed during this time, the permittee shall continue daily readings until such time that no abnormal visible emissions have been observed for a period of three consecutive months.

4. The permit to install for this emissions unit was evaluated based on information contained in the permit to install application. Prior to any physical change or change in the method of operation

involving the engine machining operation and/or oil collection system associated with this emissions unit, the permittee shall conduct an evaluation to determine if the change would constitute a "modification" as defined in OAC rule 3745-31-01 (VV). If any physical change in, or change(s) in the method of operation is (are) defined as a modification, then the permittee shall obtain a final permit to install modification prior to performing such change. The permittee shall collect, record and retain all evaluation information and the final determination when modification evaluations are performed.

IV. Reporting Requirements

1. The permittee shall notify the Director (the appropriate Ohio EPA District Office) in writing of any daily record showing the use of any photochemically reactive material in this emissions unit. The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office) within 45 days after the event occurs.

2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from this emissions unit, and (b) describe any corrective actions taken to eliminate the abnormal visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

V. Testing Requirements

1. Compliance with the emission limitation(s) in section A.I. of the terms and conditions of this permit shall be determined in accordance with the following method(s):

   a. <u>Emission Limitations:</u>
   0.18 lb PE/hr & 0.79 ton PE/yr

   <u>Applicable Compliance Method:</u>
   The permittee may demonstrate compliance with this emission limitation by multiplying the outlet grain loading emission factor of 0.0007 gr/dscf by the maximum volumetric air flow rate of 30000 acfm and converting to pounds/hour by multiplying by 60 min/hr and dividing by 7000 gr/lb. If required, the permittee shall demonstrate compliance by testing in accordance with Method 5, 40 CFR 60, Appendix A.

   The annual PE limitation was developed by multiplying the hourly PE limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

   b. <u>Emission Limitations:</u>
   2.57 lb OC/hr & 11.26 ton OC/yr

Applicable Compliance Method:
The permittee may demonstrate compliance with this emissions limitation by multiplying the outlet grain loading emission factor of 0.01 gr/wscf by the maximum volumetric air flow rate of 30000 wscf and converting to pounds/hour by multiplying by 60 min/hr and dividing by 7000 gr/lb. Compliance shall be demonstrated by the monitoring and recordkeeping specified in A.III.2

The annual OC limitation was developed by multiplying the hourly OC limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

c. Emission Limitation:
Visible particulate emissions shall not exceed 10% opacity, as a six-minute average.

Applicable Compliance Method:
If required, compliance with the visible emission limitation specified above shall be determined in accordance with Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60.

VI. Miscellaneous Requirements

None

B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P076 - Engine machining operation with oil mist collection system (MC-4).	None	See B.III.

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

1. The permit to install for this emissions unit was evaluated based on the actual materials (metal working fluids) and the design parameters of the emissions unit's exhaust system, as specified by the permittee in the permit to install application. The Ohio EPA's "Review of New Sources of Air Toxic Emissions" policy ("Air Toxic Policy") was applied for each pollutant emitted by this emissions unit using data from the permit to install application and the SCREEN 3.0 model (or other Ohio EPA approved model). The predicted 1-hour maximum ground-level concentration from the use of the SCREEN 3.0 model was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC). The following summarizes the results of the modeling for the "worst case" pollutant(s):

   Pollutant: petroleum distillates (stoddard solvent)

   TLV (mg/m3): 342,300 mg/m3

   Maximum Hourly Emission Rate (lbs/hr): 8.11*

   Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 897.4

MAGLC (ug/m3): 13,633.3

*The hourly emission rate is a combined limit from all of the oil mist collectors that were installed at the Ford Motor Company in 1994 (P079, P085, P086, P087, P088, P089, P090, P091, P092, and P093). This limit reflects the largest annual increase of VOC from the oil mist collectors contained in this PTI.

2. Physical changes to or changes in the method of operation of the emissions unit after its installation or modification could affect the parameters used to determine whether or not the "Air Toxic Policy" is satisfied. Consequently, prior to making a change that could impact such parameters, the permittee shall conduct an evaluation to determine that the "Air Toxic Policy" will still be satisfied. If, upon evaluation, the permittee determines that the "Air Toxic Policy" will not be satisfied, the permittee will not make the change. Changes that can affect the parameters used in applying the "Air Toxic Policy" include the following:

   a. changes in the composition of the materials used (coatings or cleanup materials), or the use of new materials, that would result in the emission of a compound with a lower Threshold Limit Value (TLV), as indicated in the most recent version of the handbook entitled "American Conference of Governmental Industrial Hygienists (ACGIH)," than the lowest TLV value previously modeled;

   b. changes in the composition of the materials, or use of new materials, that would result in an increase in emissions of any pollutant with a listed TLV that was proposed in the application and modeled; and

   c. physical changes to the emissions unit or its exhaust parameters (e.g., increased/ decreased exhaust flow, changes in stack height, changes in stack diameter, etc.).

   If the permittee determines that the "Air Toxic Policy" will be satisfied for the above changes, the Ohio EPA will not consider the change(s) to be a "modification" under OAC rule 3745-31-01(VV)(1)(a)(ii), and a modification of the existing permit to install will not be required. If the change(s) is (are) defined as a modification under other provisions of the modification definition (other than (VV)(1)(a)(ii)), then the permittee shall obtain a final permit to install prior to the change.

3. The permittee shall collect, record, and retain the following information when it conducts evaluations to determine that the changed emissions unit will still satisfy the "Air Toxic Policy:"

   a. a description of the parameters changed (composition of materials, new pollutants emitted, change in stack/exhaust parameters, etc.);

b. documentation of its evaluation and determination that the changed emissions unit still satisfies the "Air Toxic Policy"; and

c. where computer modeling is performed, a copy of the resulting computer model runs that show the results of the application of the "Air Toxic Policy" for the change.

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P077 - Engine machining operation with oil mist collection system (MC-5).	OAC rule 3745-31-05(A)(3)	0.02 lb particulate emissions (PE)/hr 0.09 ton PE/yr 0.34 lb organic compounds (OC)/hr 1.49 tons OC/yr 10% opacity, as a six-minute average see A.I.2.a.
	OAC rule 3745-17-07(A)	see A.I.2.b.
	OAC rule 3745-17-11(B)(1)	see A.I.2.b.
	OAC rule 3745-21-07(G)(2)	see A.II.1.

2. Additional Terms and Conditions

2.a Best Available Technology (BAT) for this emissions unit has been determined to be a maximum outlet grain loading of 0.0007 gr PE/dscf and 0.01 gr VOC/wscf.

2.b The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

II. Operational Restrictions

1. The use of photochemically reactive materials, as defined in OAC rule 3745-21-01(C)(5), in this emissions unit is prohibited.

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain monthly records of the following information for this emissions unit:

   a. the company identification for each metal working fluid employed in this emissions unit; and,

   b. documentation on whether or not each metal working fluid employed is a photochemically reactive material.

2. The permittee shall perform daily checks, Monday through Friday, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

   a. the color of the emissions;
   b. whether the emissions are representative of normal operations;
   c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
   d. the total duration of any visible emission incident; and
   e. any corrective actions taken to eliminate the abnormal visible emissions.

3. Notwithstanding the frequency of the monitoring and record keeping requirements specified in section A.III.2., the permittee may reduce the visual observations from daily readings to weekly readings if the following conditions are met:

   a. for 1 full quarter the facility's daily visual observations indicate no abnormal visible emissions; and

   b. the permittee continues to comply with all the record keeping and monitoring requirements specified in section A.III.1., on a weekly basis.

   The permittee shall revert to daily readings if any abnormal visible emissions are observed. The daily readings shall continue for one full quarter. If abnormal visible emissions are observed during this time, the permittee shall continue daily readings until such time that no abnormal visible emissions have been observed for a period of three consecutive months.

4. The permit to install for this emissions unit was evaluated based on information contained in the permit to install application. Prior to any physical change or change in the method of operation

involving the engine machining operation and/or oil collection system associated with this emissions unit, the permittee shall conduct an evaluation to determine if the change would constitute a "modification" as defined in OAC rule 3745-31-01 (VV). If any physical change in, or change(s) in the method of operation is (are) defined as a modification, then the permittee shall obtain a final permit to install modification prior to performing such change. The permittee shall collect, record and retain all evaluation information and the final determination when modification evaluations are performed.

IV. Reporting Requirements

1. The permittee shall notify the Director (the appropriate Ohio EPA District Office) in writing of any daily record showing the use of any photochemically reactive material in this emissions unit. The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office) within 45 days after the event occurs.

2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from this emissions unit, and (b) describe any corrective actions taken to eliminate the abnormal visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

V. Testing Requirements

1. Compliance with the emission limitation(s) in section A.I. of the terms and conditions of this permit shall be determined in accordance with the following method(s):

   a. <u>Emission Limitations:</u>
   0.02 lb PE/hr & 0.09 ton PE/yr

   <u>Applicable Compliance Method:</u>
   The permittee may demonstrate compliance with this emission limitation by multiplying the outlet grain loading emission factor of 0.0007 gr/dscf by the maximum volumetric air flow rate of 4000 acfm and converting to pounds/hour by multiplying by 60 min/hr and dividing by 7000 gr/lb. If required, the permittee shall demonstrate compliance by testing in accordance with Method 5, 40 CFR 60, Appendix A.

   The annual PE limitation was developed by multiplying the hourly PE limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

   b. <u>Emission Limitations:</u>
   0.34 lb OC/hr & 1.49 tons OC/yr

Applicable Compliance Method:
The permittee may demonstrate compliance with this emissions limitation by multiplying the outlet grain loading emission factor of 0.01 gr/wscf by the maximum volumetric air flow rate of 4000 wscf and converting to pounds/hour by multiplying by 60 min/hr and dividing by 7000 gr/lb. Compliance shall be demonstrated by the monitoring and recordkeeping specified in A.III.2

The annual OC limitation was developed by multiplying the hourly OC limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

c. Emission Limitation:
Visible particulate emissions shall not exceed 10% opacity, as a six-minute average.

Applicable Compliance Method:
If required, compliance with the visible emission limitation specified above shall be determined in accordance with Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60.

VI. Miscellaneous Requirements

None

B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P077 - Engine machining operation with oil mist collection system (MC-5).	None	See B.III.

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

1. The permit to install for this emissions unit was evaluated based on the actual materials (metal working fluids) and the design parameters of the emissions unit's exhaust system, as specified by the permittee in the permit to install application. The Ohio EPA's "Review of New Sources of Air Toxic Emissions" policy ("Air Toxic Policy") was applied for each pollutant emitted by this emissions unit using data from the permit to install application and the SCREEN 3.0 model (or other Ohio EPA approved model). The predicted 1-hour maximum ground-level concentration from the use of the SCREEN 3.0 model was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC). The following summarizes the results of the modeling for the "worst case" pollutant(s):

Pollutant: petroleum distillates (stoddard solvent)

TLV (mg/m3): 342,300 mg/m3

Maximum Hourly Emission Rate (lbs/hr): 8.11*

Predicted 1-Hour Maximum Ground-Level
Concentration (ug/m3): 897.4

MAGLC (ug/m3): 13,633.3

*The hourly emission rate is a combined limit from all of the oil mist collectors that were installed at the Ford Motor Company in 1994 (P079, P085, P086, P087, P088, P089, P090, P091, P092, and P093). This limit reflects the largest annual increase of VOC from the oil mist collectors contained in this PTI.

2. Physical changes to or changes in the method of operation of the emissions unit after its installation or modification could affect the parameters used to determine whether or not the "Air Toxic Policy" is satisfied. Consequently, prior to making a change that could impact such parameters, the permittee shall conduct an evaluation to determine that the "Air Toxic Policy" will still be satisfied. If, upon evaluation, the permittee determines that the "Air Toxic Policy" will not be satisfied, the permittee will not make the change. Changes that can affect the parameters used in applying the "Air Toxic Policy" include the following:

   a. changes in the composition of the materials used (coatings or cleanup materials), or the use of new materials, that would result in the emission of a compound with a lower Threshold Limit Value (TLV), as indicated in the most recent version of the handbook entitled "American Conference of Governmental Industrial Hygienists (ACGIH)," than the lowest TLV value previously modeled;

   b. changes in the composition of the materials, or use of new materials, that would result in an increase in emissions of any pollutant with a listed TLV that was proposed in the application and modeled; and

   c. physical changes to the emissions unit or its exhaust parameters (e.g., increased/ decreased exhaust flow, changes in stack height, changes in stack diameter, etc.).

   If the permittee determines that the "Air Toxic Policy" will be satisfied for the above changes, the Ohio EPA will not consider the change(s) to be a "modification" under OAC rule 3745-31-01(VV)(1)(a)(ii), and a modification of the existing permit to install will not be required. If the change(s) is (are) defined as a modification under other provisions of the modification definition (other than (VV)(1)(a)(ii)), then the permittee shall obtain a final permit to install prior to the change.

3. The permittee shall collect, record, and retain the following information when it conducts evaluations to determine that the changed emissions unit will still satisfy the "Air Toxic Policy:"

   a. a description of the parameters changed (composition of materials, new pollutants emitted, change in stack/exhaust parameters, etc.);

b. documentation of its evaluation and determination that the changed emissions unit still satisfies the "Air Toxic Policy"; and

c. where computer modeling is performed, a copy of the resulting computer model runs that show the results of the application of the "Air Toxic Policy" for the change.

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P078 - Engine machining operation with oil mist collection system (MC-6).	OAC rule 3745-31-05(A)(3)	0.18 lb particulate emissions (PE)/hr 0.79 ton PE/yr 1.13 lbs organic compounds (OC)/hr 4.95 tons OC/yr 10% opacity, as a six-minute average see A.I.2.a.
	OAC rule 3745-17-07(A)	see A.I.2.b.
	OAC rule 3745-17-11(B)(1)	see A.I.2.b.
	OAC rule 3745-21-07(G)(2)	see A.II.1.

2. Additional Terms and Conditions

2.a Best Available Technology (BAT) for this emissions unit has been determined to be a maximum outlet grain loading of 0.0007 gr PE/dscf and 0.0044 gr VOC/wscf.

2.b The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

II. Operational Restrictions

1. The use of photochemically reactive materials, as defined in OAC rule 3745-21-01(C)(5), in this emissions unit is prohibited.

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain monthly records of the following information for this emissions unit:

   a. the company identification for each metal working fluid employed in this emissions unit; and,

   b. documentation on whether or not each metal working fluid employed is a photochemically reactive material.

2. The permittee shall perform daily checks, Monday through Friday, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

   a. the color of the emissions;
   b. whether the emissions are representative of normal operations;
   c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
   d. the total duration of any visible emission incident; and
   e. any corrective actions taken to eliminate the abnormal visible emissions.

3. Notwithstanding the frequency of the monitoring and record keeping requirements specified in section A.III.2., the permittee may reduce the visual observations from daily readings to weekly readings if the following conditions are met:

   a. for 1 full quarter the facility's daily visual observations indicate no abnormal visible emissions; and

   b. the permittee continues to comply with all the record keeping and monitoring requirements specified in section A.III.1., on a weekly basis.

   The permittee shall revert to daily readings if any abnormal visible emissions are observed. The daily readings shall continue for one full quarter. If abnormal visible emissions are observed during this time, the permittee shall continue daily readings until such time that no abnormal visible emissions have been observed for a period of three consecutive months.

4. The permit to install for this emissions unit was evaluated based on information contained in the permit to install application. Prior to any physical change or change in the method of operation

involving the engine machining operation and/or oil collection system associated with this emissions unit, the permittee shall conduct an evaluation to determine if the change would constitute a "modification" as defined in OAC rule 3745-31-01 (VV). If any physical change in, or change(s) in the method of operation is (are) defined as a modification, then the permittee shall obtain a final permit to install modification prior to performing such change. The permittee shall collect, record and retain all evaluation information and the final determination when modification evaluations are performed.

IV. Reporting Requirements

1. The permittee shall notify the Director (the appropriate Ohio EPA District Office) in writing of any daily record showing the use of any photochemically reactive material in this emissions unit. The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office) within 45 days after the event occurs.

2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from this emissions unit, and (b) describe any corrective actions taken to eliminate the abnormal visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

V. Testing Requirements

1. Compliance with the emission limitation(s) in section A.I. of the terms and conditions of this permit shall be determined in accordance with the following method(s):

   a. <u>Emission Limitations:</u>
   0.18 lb PE/hr & 0.79 ton PE/yr

   <u>Applicable Compliance Method:</u>
   The permittee may demonstrate compliance with this emission limitation by multiplying the outlet grain loading emission factor of 0.0007 gr/dscf by the maximum volumetric air flow rate of 30000 acfm and converting to pounds/hour by multiplying by 60 min/hr and dividing by 7000 gr/lb. If required, the permittee shall demonstrate compliance by testing in accordance with Method 5, 40 CFR 60, Appendix A.

   The annual PE limitation was developed by multiplying the hourly PE limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

b. Emission Limitations:
1.13 lbs OC/hr & 4.95 tons OC/yr

Applicable Compliance Method:
The permittee may demonstrate compliance with this emissions limitation by multiplying the outlet grain loading emission factor of 0.0044 gr/wscf by the maximum volumetric air flow rate of 30000 wscf and converting to pounds/hour by multiplying by 60 min/hr and dividing by 7000 gr/lb. Compliance shall be demonstrated by the monitoring and recordkeeping specified in A.III.2

The annual OC limitation was developed by multiplying the hourly OC limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

c. Emission Limitation:
Visible particulate emissions shall not exceed 10% opacity, as a six-minute average.

Applicable Compliance Method:
If required, compliance with the visible emission limitation specified above shall be determined in accordance with Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60.

VI. Miscellaneous Requirements

None

B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P078 - Engine machining operation with oil mist collection system (MC-6).	None	See B.III.

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

1. The permit to install for this emissions unit was evaluated based on the actual materials (metal working fluids) and the design parameters of the emissions unit's exhaust system, as specified by the permittee in the permit to install application. The Ohio EPA's "Review of New Sources of Air Toxic Emissions" policy ("Air Toxic Policy") was applied for each pollutant emitted by this emissions unit using data from the permit to install application and the SCREEN 3.0 model (or other Ohio EPA approved model). The predicted 1-hour maximum ground-level concentration from the use of the SCREEN 3.0 model was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC). The following summarizes the results of the modeling for the "worst case" pollutant(s):

Pollutant: petroleum distillates (stoddard solvent)

TLV (mg/m3): 342,300 mg/m3

Maximum Hourly Emission Rate (lbs/hr): 8.11*

Predicted 1-Hour Maximum Ground-Level
Concentration (ug/m3): 897.4

MAGLC (ug/m3): 13,633.3

*The hourly emission rate is a combined limit from all of the oil mist collectors that were installed at the Ford Motor Company in 1994 (P079, P085, P086, P087, P088, P089, P090, P091, P092, and P093). This limit reflects the largest annual increase of VOC from the oil mist collectors contained in this PTI.

2. Physical changes to or changes in the method of operation of the emissions unit after its installation or modification could affect the parameters used to determine whether or not the "Air Toxic Policy" is satisfied. Consequently, prior to making a change that could impact such parameters, the permittee shall conduct an evaluation to determine that the "Air Toxic Policy" will still be satisfied. If, upon evaluation, the permittee determines that the "Air Toxic Policy" will not be satisfied, the permittee will not make the change. Changes that can affect the parameters used in applying the "Air Toxic Policy" include the following:

   a. changes in the composition of the materials used (coatings or cleanup materials), or the use of new materials, that would result in the emission of a compound with a lower Threshold Limit Value (TLV), as indicated in the most recent version of the handbook entitled "American Conference of Governmental Industrial Hygienists (ACGIH)," than the lowest TLV value previously modeled;

   b. changes in the composition of the materials, or use of new materials, that would result in an increase in emissions of any pollutant with a listed TLV that was proposed in the application and modeled; and

   c. physical changes to the emissions unit or its exhaust parameters (e.g., increased/ decreased exhaust flow, changes in stack height, changes in stack diameter, etc.).

   If the permittee determines that the "Air Toxic Policy" will be satisfied for the above changes, the Ohio EPA will not consider the change(s) to be a "modification" under OAC rule 3745-31-01(VV)(1)(a)(ii), and a modification of the existing permit to install will not be required. If the change(s) is (are) defined as a modification under other provisions of the modification definition (other than (VV)(1)(a)(ii)), then the permittee shall obtain a final permit to install prior to the change.

3. The permittee shall collect, record, and retain the following information when it conducts evaluations to determine that the changed emissions unit will still satisfy the "Air Toxic Policy:"

   a. a description of the parameters changed (composition of materials, new pollutants emitted, change in stack/exhaust parameters, etc.);

b. documentation of its evaluation and determination that the changed emissions unit still satisfies the "Air Toxic Policy"; and

c. where computer modeling is performed, a copy of the resulting computer model runs that show the results of the application of the "Air Toxic Policy" for the change.

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P079 - Engine machining operation with oil mist collection system (MC-7).	OAC rule 3745-31-05(A)(3)	0.06 lb particulate emissions (PE)/hr 0.26 ton PE/yr 0.38 lb organic compounds (OC)/hr 1.66 tons OC/yr 10% opacity, as a six-minute average see A.I.2.a.
	OAC rule 3745-17-07(A)	see A.I.2.b.
	OAC rule 3745-17-11(B)(1)	see A.I.2.b.
	OAC rule 3745-21-07(G)(2)	see A.II.1.

2. Additional Terms and Conditions

2.a Best Available Technology (BAT) for this emissions unit has been determined to be a maximum outlet grain loading of 0.0007 gr PE/dscf and 0.0044 gr VOC/wscf.

2.b The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

II. Operational Restrictions

Emissions Unit ID: P079

1. The use of photochemically reactive materials, as defined in OAC rule 3745-21-01(C)(5), in this emissions unit is prohibited.

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain monthly records of the following information for this emissions unit:

   a. the company identification for each metal working fluid employed in this emissions unit; and,

   b. documentation on whether or not each metal working fluid employed is a photochemically reactive material.

2. The permittee shall perform daily checks, Monday through Friday, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

   a. the color of the emissions;
   b. whether the emissions are representative of normal operations;
   c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
   d. the total duration of any visible emission incident; and
   e. any corrective actions taken to eliminate the abnormal visible emissions.

3. Notwithstanding the frequency of the monitoring and record keeping requirements specified in section A.III.2., the permittee may reduce the visual observations from daily readings to weekly readings if the following conditions are met:

   a. for 1 full quarter the facility's daily visual observations indicate no abnormal visible emissions; and

   b. the permittee continues to comply with all the record keeping and monitoring requirements specified in section A.III.1., on a weekly basis.

   The permittee shall revert to daily readings if any abnormal visible emissions are observed. The daily readings shall continue for one full quarter. If abnormal visible emissions are observed during this time, the permittee shall continue daily readings until such time that no abnormal visible emissions have been observed for a period of three consecutive months.

4. The permit to install for this emissions unit was evaluated based on information contained in the permit to install application. Prior to any physical change or change in the method of operation

involving the engine machining operation and/or oil collection system associated with this emissions unit, the permittee shall conduct an evaluation to determine if the change would constitute a "modification" as defined in OAC rule 3745-31-01 (VV). If any physical change in, or change(s) in the method of operation is (are) defined as a modification, then the permittee shall obtain a final permit to install modification prior to performing such change. The permittee shall collect, record and retain all evaluation information and the final determination when modification evaluations are performed.

IV. Reporting Requirements

1. The permittee shall notify the Director (the appropriate Ohio EPA District Office) in writing of any daily record showing the use of any photochemically reactive material in this emissions unit. The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office) within 45 days after the event occurs.

2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from this emissions unit, and (b) describe any corrective actions taken to eliminate the abnormal visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

V. Testing Requirements

1. Compliance with the emission limitation(s) in section A.I. of the terms and conditions of this permit shall be determined in accordance with the following method(s):

   a. <u>Emission Limitations:</u>
   0.06 lb PE/hr & 0.26 ton PE/yr

   <u>Applicable Compliance Method:</u>
   The permittee may demonstrate compliance with this emission limitation by multiplying the outlet grain loading emission factor of 0.0007 gr/dscf by the maximum volumetric air flow rate of 10000 acfm and converting to pounds/hour by multiplying by 60 min/hr and dividing by 7000 gr/lb. If required, the permittee shall demonstrate compliance by testing in accordance with Method 5, 40 CFR 60, Appendix A.

   The annual PE limitation was developed by multiplying the hourly PE limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

b. Emission Limitations:
0.38 lb OC/hr & 1.66 tons OC/yr

Applicable Compliance Method:
The permittee may demonstrate compliance with this emissions limitation by multiplying the outlet grain loading emission factor of 0.0044 gr/wscf by the maximum volumetric air flow rate of 1000 wscf and converting to pounds/hour by multiplying by 60 min/hr and dividing by 7000 gr/lb. Compliance shall be demonstrated by the monitoring and recordkeeping specified in A.III.2

The annual OC limitation was developed by multiplying the hourly OC limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

c. Emission Limitation:
Visible particulate emissions shall not exceed 10% opacity, as a six-minute average.

Applicable Compliance Method:
If required, compliance with the visible emission limitation specified above shall be determined in accordance with Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60.

VI. Miscellaneous Requirements

None

B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P079 - Engine machining operation with oil mist collection system (MC-7).	None	See B.III.

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

1. The permit to install for this emissions unit was evaluated based on the actual materials (metal working fluids) and the design parameters of the emissions unit's exhaust system, as specified by the permittee in the permit to install application. The Ohio EPA's "Review of New Sources of Air Toxic Emissions" policy ("Air Toxic Policy") was applied for each pollutant emitted by this emissions unit using data from the permit to install application and the SCREEN 3.0 model (or other Ohio EPA approved model). The predicted 1-hour maximum ground-level concentration from the use of the SCREEN 3.0 model was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC). The following summarizes the results of the modeling for the "worst case" pollutant(s):

Pollutant: petroleum distillates (stoddard solvent)

TLV (mg/m3): 342,300 mg/m3

Maximum Hourly Emission Rate (lbs/hr): 8.11*

Predicted 1-Hour Maximum Ground-Level
Concentration (ug/m3): 897.4

MAGLC (ug/m3): 13,633.3

*The hourly emission rate is a combined limit from all of the oil mist collectors that were installed at the Ford Motor Company in 1994 (P079, P085, P086, P087, P088, P089, P090, P091, P092, and P093). This limit reflects the largest annual increase of VOC from the oil mist collectors contained in this PTI.

2. Physical changes to or changes in the method of operation of the emissions unit after its installation or modification could affect the parameters used to determine whether or not the "Air Toxic Policy" is satisfied. Consequently, prior to making a change that could impact such parameters, the permittee shall conduct an evaluation to determine that the "Air Toxic Policy" will still be satisfied. If, upon evaluation, the permittee determines that the "Air Toxic Policy" will not be satisfied, the permittee will not make the change. Changes that can affect the parameters used in applying the "Air Toxic Policy" include the following:

   a. changes in the composition of the materials used (coatings or cleanup materials), or the use of new materials, that would result in the emission of a compound with a lower Threshold Limit Value (TLV), as indicated in the most recent version of the handbook entitled "American Conference of Governmental Industrial Hygienists (ACGIH)," than the lowest TLV value previously modeled;

   b. changes in the composition of the materials, or use of new materials, that would result in an increase in emissions of any pollutant with a listed TLV that was proposed in the application and modeled; and

   c. physical changes to the emissions unit or its exhaust parameters (e.g., increased/ decreased exhaust flow, changes in stack height, changes in stack diameter, etc.).

   If the permittee determines that the "Air Toxic Policy" will be satisfied for the above changes, the Ohio EPA will not consider the change(s) to be a "modification" under OAC rule 3745-31-01(VV)(1)(a)(ii), and a modification of the existing permit to install will not be required. If the change(s) is (are) defined as a modification under other provisions of the modification definition (other than (VV)(1)(a)(ii)), then the permittee shall obtain a final permit to install prior to the change.

3. The permittee shall collect, record, and retain the following information when it conducts evaluations to determine that the changed emissions unit will still satisfy the "Air Toxic Policy:"

   a. a description of the parameters changed (composition of materials, new pollutants emitted, change in stack/exhaust parameters, etc.);

b. documentation of its evaluation and determination that the changed emissions unit still satisfies the "Air Toxic Policy"; and

c. where computer modeling is performed, a copy of the resulting computer model runs that show the results of the application of the "Air Toxic Policy" for the change.

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P080 - Engine machining operation with oil mist collection system (MC-8).	OAC rule 3745-31-05(A)(3)	0.02 lb particulate emissions (PE)/hr 0.09 ton PE/yr 0.15 lb organic compounds (OC)/hr 0.66 ton OC/yr 10% opacity, as a six-minute average see A.I.2.a.
	OAC rule 3745-17-07(A)	see A.I.2.b.
	OAC rule 3745-17-11(B)(1)	see A.I.2.b.
	OAC rule 3745-21-07(G)(2)	see A.II.1.

2. Additional Terms and Conditions

2.a Best Available Technology (BAT) for this emissions unit has been determined to be a maximum outlet grain loading of 0.0007 gr PE/dscf and 0.0044 gr VOC/wscf.

2.b The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

II. Operational Restrictions

1. The use of photochemically reactive materials, as defined in OAC rule 3745-21-01(C)(5), in this emissions unit is prohibited.

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain monthly records of the following information for this emissions unit:

   a. the company identification for each metal working fluid employed in this emissions unit; and,

   b. documentation on whether or not each metal working fluid employed is a photochemically reactive material.

2. The permittee shall perform daily checks, Monday through Friday, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

   a. the color of the emissions;
   b. whether the emissions are representative of normal operations;
   c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
   d. the total duration of any visible emission incident; and
   e. any corrective actions taken to eliminate the abnormal visible emissions.

3. Notwithstanding the frequency of the monitoring and record keeping requirements specified in section A.III.2., the permittee may reduce the visual observations from daily readings to weekly readings if the following conditions are met:

   a. for 1 full quarter the facility's daily visual observations indicate no abnormal visible emissions; and

   b. the permittee continues to comply with all the record keeping and monitoring requirements specified in section A.III.1., on a weekly basis.

   The permittee shall revert to daily readings if any abnormal visible emissions are observed. The daily readings shall continue for one full quarter. If abnormal visible emissions are observed during this time, the permittee shall continue daily readings until such time that no abnormal visible emissions have been observed for a period of three consecutive months.

4. The permit to install for this emissions unit was evaluated based on information contained in the permit to install application. Prior to any physical change or change in the method of operation

involving the engine machining operation and/or oil collection system associated with this emissions unit, the permittee shall conduct an evaluation to determine if the change would constitute a "modification" as defined in OAC rule 3745-31-01 (VV). If any physical change in, or change(s) in the method of operation is (are) defined as a modification, then the permittee shall obtain a final permit to install modification prior to performing such change. The permittee shall collect, record and retain all evaluation information and the final determination when modification evaluations are performed.

IV. Reporting Requirements

1. The permittee shall notify the Director (the appropriate Ohio EPA District Office) in writing of any daily record showing the use of any photochemically reactive material in this emissions unit. The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office) within 45 days after the event occurs.

2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from this emissions unit, and (b) describe any corrective actions taken to eliminate the abnormal visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

V. Testing Requirements

1. Compliance with the emission limitation(s) in section A.I. of the terms and conditions of this permit shall be determined in accordance with the following method(s):

   a. <u>Emission Limitations:</u>
   0.02 lb PE/hr & 0.09 ton PE/yr

   <u>Applicable Compliance Method:</u>
   The permittee may demonstrate compliance with this emission limitation by multiplying the outlet grain loading emission factor of 0.0007 gr/dscf by the maximum volumetric air flow rate of 4000 acfm and converting to pounds/hour by multiplying by 60 min/hr and dividing by 7000 gr/lb. If required, the permittee shall demonstrate compliance by testing in accordance with Method 5, 40 CFR 60, Appendix A.

   The annual PE limitation was developed by multiplying the hourly PE limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

b. Emission Limitations:
0.15 lb OC/hr & 0.66 ton OC/yr

Applicable Compliance Method:
The permittee may demonstrate compliance with this emissions limitation by multiplying the outlet grain loading emission factor of 0.0044 gr/wscf by the maximum volumetric air flow rate of 4000 wscf and converting to pounds/hour by multiplying by 60 min/hr and dividing by 7000 gr/lb. Compliance shall be demonstrated by the monitoring and recordkeeping specified in A.III.2

The annual OC limitation was developed by multiplying the hourly OC limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

c. Emission Limitation:
Visible particulate emissions shall not exceed 10% opacity, as a six-minute average.

Applicable Compliance Method:
If required, compliance with the visible emission limitation specified above shall be determined in accordance with Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60.

VI. Miscellaneous Requirements

None

B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P080 - Engine machining operation with oil mist collection system (MC-8).	None	See B.III.

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

1. The permit to install for this emissions unit was evaluated based on the actual materials (metal working fluids) and the design parameters of the emissions unit's exhaust system, as specified by the permittee in the permit to install application. The Ohio EPA's "Review of New Sources of Air Toxic Emissions" policy ("Air Toxic Policy") was applied for each pollutant emitted by this emissions unit using data from the permit to install application and the SCREEN 3.0 model (or other Ohio EPA approved model). The predicted 1-hour maximum ground-level concentration from the use of the SCREEN 3.0 model was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC). The following summarizes the results of the modeling for the "worst case" pollutant(s):

   Pollutant: petroleum distillates (stoddard solvent)

   TLV (mg/m3): 342,300 mg/m3

Maximum Hourly Emission Rate (lbs/hr): 8.11*

Predicted 1-Hour Maximum Ground-Level
Concentration (ug/m3): 897.4

MAGLC (ug/m3): 13,633.3

*The hourly emission rate is a combined limit from all of the oil mist collectors that were installed at the Ford Motor Company in 1994 (P079, P085, P086, P087, P088, P089, P090, P091, P092, and P093). This limit reflects the largest annual increase of VOC from the oil mist collectors contained in this PTI.

2. Physical changes to or changes in the method of operation of the emissions unit after its installation or modification could affect the parameters used to determine whether or not the "Air Toxic Policy" is satisfied. Consequently, prior to making a change that could impact such parameters, the permittee shall conduct an evaluation to determine that the "Air Toxic Policy" will still be satisfied. If, upon evaluation, the permittee determines that the "Air Toxic Policy" will not be satisfied, the permittee will not make the change. Changes that can affect the parameters used in applying the "Air Toxic Policy" include the following:

   a. changes in the composition of the materials used (coatings or cleanup materials), or the use of new materials, that would result in the emission of a compound with a lower Threshold Limit Value (TLV), as indicated in the most recent version of the handbook entitled "American Conference of Governmental Industrial Hygienists (ACGIH)," than the lowest TLV value previously modeled;

   b. changes in the composition of the materials, or use of new materials, that would result in an increase in emissions of any pollutant with a listed TLV that was proposed in the application and modeled; and

   c. physical changes to the emissions unit or its exhaust parameters (e.g., increased/ decreased exhaust flow, changes in stack height, changes in stack diameter, etc.).

   If the permittee determines that the "Air Toxic Policy" will be satisfied for the above changes, the Ohio EPA will not consider the change(s) to be a "modification" under OAC rule 3745-31-01(VV)(1)(a)(ii), and a modification of the existing permit to install will not be required. If the change(s) is (are) defined as a modification under other provisions of the modification definition (other than (VV)(1)(a)(ii)), then the permittee shall obtain a final permit to install prior to the change.

3. The permittee shall collect, record, and retain the following information when it conducts evaluations to determine that the changed emissions unit will still satisfy the "Air Toxic Policy:"

   a. a description of the parameters changed (composition of materials, new pollutants emitted, change in stack/exhaust parameters, etc.);

b. documentation of its evaluation and determination that the changed emissions unit still satisfies the "Air Toxic Policy"; and

c. where computer modeling is performed, a copy of the resulting computer model runs that show the results of the application of the "Air Toxic Policy" for the change.

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P081 - Engine machining operation with oil mist collection system (MC-9).	OAC rule 3745-31-05(A)(3)	0.02 lb particulate emissions (PE)/hr 0.09 ton PE/yr 0.15 lb organic compounds (OC)/hr 0.66 ton OC/yr 10% opacity, as a six-minute average see A.I.2.a.
	OAC rule 3745-17-07(A)	see A.I.2.b.
	OAC rule 3745-17-11(B)(1)	see A.I.2.b.
	OAC rule 3745-21-07(G)(2)	see A.II.1.

2. Additional Terms and Conditions

2.a Best Available Technology (BAT) for this emissions unit has been determined to be a maximum outlet grain loading of 0.0007 gr PE/dscf and 0.0044 gr VOC/wscf.

2.b The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

II. Operational Restrictions

1. The use of photochemically reactive materials, as defined in OAC rule 3745-21-01(C)(5), in this emissions unit is prohibited.

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain monthly records of the following information for this emissions unit:

   a. the company identification for each metal working fluid employed in this emissions unit; and,

   b. documentation on whether or not each metal working fluid employed is a photochemically reactive material.

2. The permittee shall perform daily checks, Monday through Friday, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

   a. the color of the emissions;
   b. whether the emissions are representative of normal operations;
   c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
   d. the total duration of any visible emission incident; and
   e. any corrective actions taken to eliminate the abnormal visible emissions.

3. Notwithstanding the frequency of the monitoring and record keeping requirements specified in section A.III.2., the permittee may reduce the visual observations from daily readings to weekly readings if the following conditions are met:

   a. for 1 full quarter the facility's daily visual observations indicate no abnormal visible emissions; and

   b. the permittee continues to comply with all the record keeping and monitoring requirements specified in section A.III.1., on a weekly basis.

   The permittee shall revert to daily readings if any abnormal visible emissions are observed. The daily readings shall continue for one full quarter. If abnormal visible emissions are observed during this time, the permittee shall continue daily readings until such time that no abnormal visible emissions have been observed for a period of three consecutive months.

4. The permit to install for this emissions unit was evaluated based on information contained in the permit to install application. Prior to any physical change or change in the method of operation

involving the engine machining operation and/or oil collection system associated with this emissions unit, the permittee shall conduct an evaluation to determine if the change would constitute a "modification" as defined in OAC rule 3745-31-01 (VV). If any physical change in, or change(s) in the method of operation is (are) defined as a modification, then the permittee shall obtain a final permit to install modification prior to performing such change. The permittee shall collect, record and retain all evaluation information and the final determination when modification evaluations are performed.

IV. Reporting Requirements

1. The permittee shall notify the Director (the appropriate Ohio EPA District Office) in writing of any daily record showing the use of any photochemically reactive material in this emissions unit. The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office) within 45 days after the event occurs.

2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from this emissions unit, and (b) describe any corrective actions taken to eliminate the abnormal visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

V. Testing Requirements

1. Compliance with the emission limitation(s) in section A.I. of the terms and conditions of this permit shall be determined in accordance with the following method(s):

   a. <u>Emission Limitations:</u>
   0.02 lb PE/hr & 0.09 ton PE/yr

   <u>Applicable Compliance Method:</u>
   The permittee may demonstrate compliance with this emission limitation by multiplying the outlet grain loading emission factor of 0.0007 gr/dscf by the maximum volumetric air flow rate of 4000 acfm and converting to pounds/hour by multiplying by 60 min/hr and dividing by 7000 gr/lb. If required, the permittee shall demonstrate compliance by testing in accordance with Method 5, 40 CFR 60, Appendix A.

   The annual PE limitation was developed by multiplying the hourly PE limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

   b. <u>Emission Limitations:</u>
   0.15 lb OC/hr & 0.66 ton OC/yr

Applicable Compliance Method:
The permittee may demonstrate compliance with this emissions limitation by multiplying the outlet grain loading emission factor of 0.0044 gr/wscf by the maximum volumetric air flow rate of 4000 wscf and converting to pounds/hour by multiplying by 60 min/hr and dividing by 7000 gr/lb. Compliance shall be demonstrated by the monitoring and recordkeeping specified in A.III.2

The annual OC limitation was developed by multiplying the hourly OC limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

c. Emission Limitation:
Visible particulate emissions shall not exceed 10% opacity, as a six-minute average.

Applicable Compliance Method:
If required, compliance with the visible emission limitation specified above shall be determined in accordance with Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60.

VI. Miscellaneous Requirements

None

B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P081 - Engine machining operation with oil mist collection system (MC-9).	None	See B.III.

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

1. The permit to install for this emissions unit was evaluated based on the actual materials (metal working fluids) and the design parameters of the emissions unit's exhaust system, as specified by the permittee in the permit to install application. The Ohio EPA's "Review of New Sources of Air Toxic Emissions" policy ("Air Toxic Policy") was applied for each pollutant emitted by this emissions unit using data from the permit to install application and the SCREEN 3.0 model (or other Ohio EPA approved model). The predicted 1-hour maximum ground-level concentration from the use of the SCREEN 3.0 model was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC). The following summarizes the results of the modeling for the "worst case" pollutant(s):

   Pollutant: petroleum distillates (stoddard solvent)

   TLV (mg/m3): 342,300 mg/m3

   Maximum Hourly Emission Rate (lbs/hr): 8.11*

   Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 897.4

MAGLC (ug/m3): 13,633.3

*The hourly emission rate is a combined limit from all of the oil mist collectors that were installed at the Ford Motor Company in 1994 (P079, P085, P086, P087, P088, P089, P090, P091, P092, and P093). This limit reflects the largest annual increase of VOC from the oil mist collectors contained in this PTI.

2. Physical changes to or changes in the method of operation of the emissions unit after its installation or modification could affect the parameters used to determine whether or not the "Air Toxic Policy" is satisfied. Consequently, prior to making a change that could impact such parameters, the permittee shall conduct an evaluation to determine that the "Air Toxic Policy" will still be satisfied. If, upon evaluation, the permittee determines that the "Air Toxic Policy" will not be satisfied, the permittee will not make the change. Changes that can affect the parameters used in applying the "Air Toxic Policy" include the following:

   a. changes in the composition of the materials used (coatings or cleanup materials), or the use of new materials, that would result in the emission of a compound with a lower Threshold Limit Value (TLV), as indicated in the most recent version of the handbook entitled "American Conference of Governmental Industrial Hygienists (ACGIH)," than the lowest TLV value previously modeled;

   b. changes in the composition of the materials, or use of new materials, that would result in an increase in emissions of any pollutant with a listed TLV that was proposed in the application and modeled; and

   c. physical changes to the emissions unit or its exhaust parameters (e.g., increased/ decreased exhaust flow, changes in stack height, changes in stack diameter, etc.).

   If the permittee determines that the "Air Toxic Policy" will be satisfied for the above changes, the Ohio EPA will not consider the change(s) to be a "modification" under OAC rule 3745-31-01(VV)(1)(a)(ii), and a modification of the existing permit to install will not be required. If the change(s) is (are) defined as a modification under other provisions of the modification definition (other than (VV)(1)(a)(ii)), then the permittee shall obtain a final permit to install prior to the change.

3. The permittee shall collect, record, and retain the following information when it conducts evaluations to determine that the changed emissions unit will still satisfy the "Air Toxic Policy:"

   a. a description of the parameters changed (composition of materials, new pollutants emitted, change in stack/exhaust parameters, etc.);

b. documentation of its evaluation and determination that the changed emissions unit still satisfies the "Air Toxic Policy"; and

c. where computer modeling is performed, a copy of the resulting computer model runs that show the results of the application of the "Air Toxic Policy" for the change.

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P082 - Engine machining operation with oil mist collection system (MC-10).	OAC rule 3745-31-05(A)(3)	0.20 lb particulate emissions (PE)/hr 0.88 ton PE/yr 1.28 lbs organic compounds (OC)/hr 5.61 tons OC/yr 10% opacity, as a six-minute average see A.I.2.a.
	OAC rule 3745-17-07(A)	see A.I.2.b.
	OAC rule 3745-17-11(B)(1)	see A.I.2.b.
	OAC rule 3745-21-07(G)(2)	see A.II.1.

2. Additional Terms and Conditions

2.a Best Available Technology (BAT) for this emissions unit has been determined to be a maximum outlet grain loading of 0.0007 gr PE/dscf and 0.0044 gr VOC/wscf.

2.b The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

II. Operational Restrictions

1. The use of photochemically reactive materials, as defined in OAC rule 3745-21-01(C)(5), in this emissions unit is prohibited.

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain monthly records of the following information for this emissions unit:

   a. the company identification for each metal working fluid employed in this emissions unit; and,

   b. documentation on whether or not each metal working fluid employed is a photochemically reactive material.

2. The permittee shall perform daily checks, Monday through Friday, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

   a. the color of the emissions;
   b. whether the emissions are representative of normal operations;
   c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
   d. the total duration of any visible emission incident; and
   e. any corrective actions taken to eliminate the abnormal visible emissions.

3. Notwithstanding the frequency of the monitoring and record keeping requirements specified in section A.III.2., the permittee may reduce the visual observations from daily readings to weekly readings if the following conditions are met:

   a. for 1 full quarter the facility's daily visual observations indicate no abnormal visible emissions; and

   b. the permittee continues to comply with all the record keeping and monitoring requirements specified in section A.III.1., on a weekly basis.

   The permittee shall revert to daily readings if any abnormal visible emissions are observed. The daily readings shall continue for one full quarter. If abnormal visible emissions are observed during this time, the permittee shall continue daily readings until such time that no abnormal visible emissions have been observed for a period of three consecutive months.

4. The permit to install for this emissions unit was evaluated based on information contained in the permit to install application. Prior to any physical change or change in the method of operation

involving the engine machining operation and/or oil collection system associated with this emissions unit, the permittee shall conduct an evaluation to determine if the change would constitute a "modification" as defined in OAC rule 3745-31-01 (VV). If any physical change in, or change(s) in the method of operation is (are) defined as a modification, then the permittee shall obtain a final permit to install modification prior to performing such change. The permittee shall collect, record and retain all evaluation information and the final determination when modification evaluations are performed.

IV. Reporting Requirements

1. The permittee shall notify the Director (the appropriate Ohio EPA District Office) in writing of any daily record showing the use of any photochemically reactive material in this emissions unit. The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office) within 45 days after the event occurs.

2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from this emissions unit, and (b) describe any corrective actions taken to eliminate the abnormal visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

V. Testing Requirements

1. Compliance with the emission limitation(s) in section A.I. of the terms and conditions of this permit shall be determined in accordance with the following method(s):

   a. <u>Emission Limitations:</u>
   0.20 lb PE/hr & 0.88 ton PE/yr

   <u>Applicable Compliance Method:</u>
   The permittee may demonstrate compliance with this emission limitation by multiplying the outlet grain loading emission factor of 0.0007 gr/dscf by the maximum volumetric air flow rate of 34000 acfm and converting to pounds/hour by multiplying by 60 min/hr and dividing by 7000 gr/lb. If required, the permittee shall demonstrate compliance by testing in accordance with Method 5, 40 CFR 60, Appendix A.

   The annual PE limitation was developed by multiplying the hourly PE limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

   b. <u>Emission Limitations:</u>
   1.28 lbs OC/hr & 5.61 tons OC/yr

Applicable Compliance Method:
The permittee may demonstrate compliance with this emissions limitation by multiplying the outlet grain loading emission factor of 0.0044 gr/wscf by the maximum volumetric air flow rate of 34000 wscf and converting to pounds/hour by multiplying by 60 min/hr and dividing by 7000 gr/lb. Compliance shall be demonstrated by the monitoring and recordkeeping specified in A.III.2

The annual OC limitation was developed by multiplying the hourly OC limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

c. Emission Limitation:
Visible particulate emissions shall not exceed 10% opacity, as a six-minute average.

Applicable Compliance Method:
If required, compliance with the visible emission limitation specified above shall be determined in accordance with Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60.

VI. Miscellaneous Requirements

None

B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P082 - Engine machining operation with oil mist collection system (MC-10).	None	See B.III.

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

1. The permit to install for this emissions unit was evaluated based on the actual materials (metal working fluids) and the design parameters of the emissions unit's exhaust system, as specified by the permittee in the permit to install application. The Ohio EPA's "Review of New Sources of Air Toxic Emissions" policy ("Air Toxic Policy") was applied for each pollutant emitted by this emissions unit using data from the permit to install application and the SCREEN 3.0 model (or other Ohio EPA approved model). The predicted 1-hour maximum ground-level concentration from the use of the SCREEN 3.0 model was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC). The following summarizes the results of the modeling for the "worst case" pollutant(s):

   Pollutant: petroleum distillates (stoddard solvent)

   TLV (mg/m3): 342,300 mg/m3

   Maximum Hourly Emission Rate (lbs/hr): 8.11*

   Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 897.4

MAGLC (ug/m3): 13,633.3

*The hourly emission rate is a combined limit from all of the oil mist collectors that were installed at the Ford Motor Company in 1994 (P079, P085, P086, P087, P088, P089, P090, P091, P092, and P093). This limit reflects the largest annual increase of VOC from the oil mist collectors contained in this PTI.

2. Physical changes to or changes in the method of operation of the emissions unit after its installation or modification could affect the parameters used to determine whether or not the "Air Toxic Policy" is satisfied. Consequently, prior to making a change that could impact such parameters, the permittee shall conduct an evaluation to determine that the "Air Toxic Policy" will still be satisfied. If, upon evaluation, the permittee determines that the "Air Toxic Policy" will not be satisfied, the permittee will not make the change. Changes that can affect the parameters used in applying the "Air Toxic Policy" include the following:

   a. changes in the composition of the materials used (coatings or cleanup materials), or the use of new materials, that would result in the emission of a compound with a lower Threshold Limit Value (TLV), as indicated in the most recent version of the handbook entitled "American Conference of Governmental Industrial Hygienists (ACGIH)," than the lowest TLV value previously modeled;

   b. changes in the composition of the materials, or use of new materials, that would result in an increase in emissions of any pollutant with a listed TLV that was proposed in the application and modeled; and

   c. physical changes to the emissions unit or its exhaust parameters (e.g., increased/ decreased exhaust flow, changes in stack height, changes in stack diameter, etc.).

   If the permittee determines that the "Air Toxic Policy" will be satisfied for the above changes, the Ohio EPA will not consider the change(s) to be a "modification" under OAC rule 3745-31-01(VV)(1)(a)(ii), and a modification of the existing permit to install will not be required. If the change(s) is (are) defined as a modification under other provisions of the modification definition (other than (VV)(1)(a)(ii)), then the permittee shall obtain a final permit to install prior to the change.

3. The permittee shall collect, record, and retain the following information when it conducts evaluations to determine that the changed emissions unit will still satisfy the "Air Toxic Policy:"

   a. a description of the parameters changed (composition of materials, new pollutants emitted, change in stack/exhaust parameters, etc.);

b. documentation of its evaluation and determination that the changed emissions unit still satisfies the "Air Toxic Policy"; and

c. where computer modeling is performed, a copy of the resulting computer model runs that show the results of the application of the "Air Toxic Policy" for the change.

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P083 - Engine machining operation with oil mist collection system (MC-12).	OAC rule 3745-31-05(A)(3)	0.15 lb particulate emissions (PE)/hr 0.66 ton PE/yr 0.94 lb organic compounds (OC)/hr 4.12 tons OC/yr 10% opacity, as a six-minute average see A.I.2.a.
	OAC rule 3745-17-07(A)	see A.I.2.b.
	OAC rule 3745-17-11(B)(1)	see A.I.2.b.
	OAC rule 3745-21-07(G)(2)	see A.II.1.

2. Additional Terms and Conditions

2.a Best Available Technology (BAT) for this emissions unit has been determined to be a maximum outlet grain loading of 0.0007 gr PE/dscf and 0.0044 gr VOC/wscf.

2.b The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

II. Operational Restrictions

1. The use of photochemically reactive materials, as defined in OAC rule 3745-21-01(C)(5), in this emissions unit is prohibited.

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain monthly records of the following information for this emissions unit:

   a. the company identification for each metal working fluid employed in this emissions unit; and,

   b. documentation on whether or not each metal working fluid employed is a photochemically reactive material.

2. The permittee shall perform daily checks, Monday through Friday, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

   a. the color of the emissions;
   b. whether the emissions are representative of normal operations;
   c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
   d. the total duration of any visible emission incident; and
   e. any corrective actions taken to eliminate the abnormal visible emissions.

3. Notwithstanding the frequency of the monitoring and record keeping requirements specified in section A.III.2., the permittee may reduce the visual observations from daily readings to weekly readings if the following conditions are met:

   a. for 1 full quarter the facility's daily visual observations indicate no abnormal visible emissions; and

   b. the permittee continues to comply with all the record keeping and monitoring requirements specified in section A.III.1., on a weekly basis.

   The permittee shall revert to daily readings if any abnormal visible emissions are observed. The daily readings shall continue for one full quarter. If abnormal visible emissions are observed during this time, the permittee shall continue daily readings until such time that no abnormal visible emissions have been observed for a period of three consecutive months.

4. The permit to install for this emissions unit was evaluated based on information contained in the permit to install application. Prior to any physical change or change in the method of operation

involving the engine machining operation and/or oil collection system associated with this emissions unit, the permittee shall conduct an evaluation to determine if the change would constitute a "modification" as defined in OAC rule 3745-31-01 (VV). If any physical change in, or change(s) in the method of operation is (are) defined as a modification, then the permittee shall obtain a final permit to install modification prior to performing such change. The permittee shall collect, record and retain all evaluation information and the final determination when modification evaluations are performed.

IV. Reporting Requirements

1. The permittee shall notify the Director (the appropriate Ohio EPA District Office) in writing of any daily record showing the use of any photochemically reactive material in this emissions unit. The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office) within 45 days after the event occurs.

2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from this emissions unit, and (b) describe any corrective actions taken to eliminate the abnormal visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

V. Testing Requirements

1. Compliance with the emission limitation(s) in section A.I. of the terms and conditions of this permit shall be determined in accordance with the following method(s):

   a. <u>Emission Limitations:</u>
   0.15 lb PE/hr & 0.66 ton PE/yr

   <u>Applicable Compliance Method:</u>
   The permittee may demonstrate compliance with this emission limitation by multiplying the outlet grain loading emission factor of 0.0007 gr/dscf by the maximum volumetric air flow rate of 25000 acfm and converting to pounds/hour by multiplying by 60 min/hr and dividing by 7000 gr/lb. If required, the permittee shall demonstrate compliance by testing in accordance with Method 5, 40 CFR 60, Appendix A.

   The annual PE limitation was developed by multiplying the hourly PE limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

   b. <u>Emission Limitations:</u>
   0.94 lb OC/hr & 4.12 tons OC/yr

Applicable Compliance Method:
The permittee may demonstrate compliance with this emissions limitation by multiplying the outlet grain loading emission factor of 0.0044 gr/wscf by the maximum volumetric air flow rate of 25000 wscf and converting to pounds/hour by multiplying by 60 min/hr and dividing by 7000 gr/lb. Compliance shall be demonstrated by the monitoring and recordkeeping specified in A.III.2

The annual OC limitation was developed by multiplying the hourly OC limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

c. Emission Limitation:
Visible particulate emissions shall not exceed 10% opacity, as a six-minute average.

Applicable Compliance Method:
If required, compliance with the visible emission limitation specified above shall be determined in accordance with Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60.

VI. Miscellaneous Requirements

None

B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P083 - Engine machining operation with oil mist collection system (MC-12).	None	See B.III.

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

1. The permit to install for this emissions unit was evaluated based on the actual materials (metal working fluids) and the design parameters of the emissions unit's exhaust system, as specified by the permittee in the permit to install application. The Ohio EPA's "Review of New Sources of Air Toxic Emissions" policy ("Air Toxic Policy") was applied for each pollutant emitted by this emissions unit using data from the permit to install application and the SCREEN 3.0 model (or other Ohio EPA approved model). The predicted 1-hour maximum ground-level concentration from the use of the SCREEN 3.0 model was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC). The following summarizes the results of the modeling for the "worst case" pollutant(s):

Pollutant: petroleum distillates (stoddard solvent)

TLV (mg/m3): 342,300 mg/m3

Emissions Unit ID: P083

Maximum Hourly Emission Rate (lbs/hr): 8.11*

Predicted 1-Hour Maximum Ground-Level
Concentration (ug/m3): 897.4

MAGLC (ug/m3): 13,633.3

*The hourly emission rate is a combined limit from all of the oil mist collectors that were installed at the Ford Motor Company in 1994 (P079, P085, P086, P087, P088, P089, P090, P091, P092, and P093). This limit reflects the largest annual increase of VOC from the oil mist collectors contained in this PTI.

2. Physical changes to or changes in the method of operation of the emissions unit after its installation or modification could affect the parameters used to determine whether or not the "Air Toxic Policy" is satisfied. Consequently, prior to making a change that could impact such parameters, the permittee shall conduct an evaluation to determine that the "Air Toxic Policy" will still be satisfied. If, upon evaluation, the permittee determines that the "Air Toxic Policy" will not be satisfied, the permittee will not make the change. Changes that can affect the parameters used in applying the "Air Toxic Policy" include the following:

   a. changes in the composition of the materials used (coatings or cleanup materials), or the use of new materials, that would result in the emission of a compound with a lower Threshold Limit Value (TLV), as indicated in the most recent version of the handbook entitled "American Conference of Governmental Industrial Hygienists (ACGIH)," than the lowest TLV value previously modeled;

   b. changes in the composition of the materials, or use of new materials, that would result in an increase in emissions of any pollutant with a listed TLV that was proposed in the application and modeled; and

   c. physical changes to the emissions unit or its exhaust parameters (e.g., increased/ decreased exhaust flow, changes in stack height, changes in stack diameter, etc.).

   If the permittee determines that the "Air Toxic Policy" will be satisfied for the above changes, the Ohio EPA will not consider the change(s) to be a "modification" under OAC rule 3745-31-01(VV)(1)(a)(ii), and a modification of the existing permit to install will not be required. If the change(s) is (are) defined as a modification under other provisions of the modification definition (other than (VV)(1)(a)(ii)), then the permittee shall obtain a final permit to install prior to the change.

3. The permittee shall collect, record, and retain the following information when it conducts evaluations to determine that the changed emissions unit will still satisfy the "Air Toxic Policy:"

   a. a description of the parameters changed (composition of materials, new pollutants emitted, change in stack/exhaust parameters, etc.);

b. documentation of its evaluation and determination that the changed emissions unit still satisfies the "Air Toxic Policy"; and

c. where computer modeling is performed, a copy of the resulting computer model runs that show the results of the application of the "Air Toxic Policy" for the change.

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P084 - Engine machining operation with oil mist collection system (MC-13).	OAC rule 3745-31-05(A)(3)	0.12 lb particulate emissions (PE)/hr 0.53 ton PE/yr 0.75 lb organic compounds (OC)/hr 3.29 tons OC/yr 10% opacity, as a six-minute average see A.I.2.a.
	OAC rule 3745-17-07(A)	see A.I.2.b.
	OAC rule 3745-17-11(B)(1)	see A.I.2.b.
	OAC rule 3745-21-07(G)(2)	see A.II.1.

2. Additional Terms and Conditions

2.a Best Available Technology (BAT) for this emissions unit has been determined to be a maximum outlet grain loading of 0.0007 gr PE/dscf and 0.0044 gr VOC/wscf.

2.b The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

II. Operational Restrictions

1. The use of photochemically reactive materials, as defined in OAC rule 3745-21-01(C)(5), in this emissions unit is prohibited.

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain monthly records of the following information for this emissions unit:

   a. the company identification for each metal working fluid employed in this emissions unit; and,

   b. documentation on whether or not each metal working fluid employed is a photochemically reactive material.

2. The permittee shall perform daily checks, Monday through Friday, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

   a. the color of the emissions;
   b. whether the emissions are representative of normal operations;
   c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
   d. the total duration of any visible emission incident; and
   e. any corrective actions taken to eliminate the abnormal visible emissions.

3. Notwithstanding the frequency of the monitoring and record keeping requirements specified in section A.III.2., the permittee may reduce the visual observations from daily readings to weekly readings if the following conditions are met:

   a. for 1 full quarter the facility's daily visual observations indicate no abnormal visible emissions; and

   b. the permittee continues to comply with all the record keeping and monitoring requirements specified in section A.III.1., on a weekly basis.

   The permittee shall revert to daily readings if any abnormal visible emissions are observed. The daily readings shall continue for one full quarter. If abnormal visible emissions are observed during this time, the permittee shall continue daily readings until such time that no abnormal visible emissions have been observed for a period of three consecutive months.

4. The permit to install for this emissions unit was evaluated based on information contained in the permit to install application. Prior to any physical change or change in the method of operation

involving the engine machining operation and/or oil collection system associated with this emissions unit, the permittee shall conduct an evaluation to determine if the change would constitute a "modification" as defined in OAC rule 3745-31-01 (VV). If any physical change in, or change(s) in the method of operation is (are) defined as a modification, then the permittee shall obtain a final permit to install modification prior to performing such change. The permittee shall collect, record and retain all evaluation information and the final determination when modification evaluations are performed.

IV. Reporting Requirements

1. The permittee shall notify the Director (the appropriate Ohio EPA District Office) in writing of any daily record showing the use of any photochemically reactive material in this emissions unit. The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office) within 45 days after the event occurs.

2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from this emissions unit, and (b) describe any corrective actions taken to eliminate the abnormal visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

V. Testing Requirements

1. Compliance with the emission limitation(s) in section A.I. of the terms and conditions of this permit shall be determined in accordance with the following method(s):

   a. <u>Emission Limitations:</u>
   0.12 lb PE/hr & 0.53 ton PE/yr

   <u>Applicable Compliance Method:</u>
   The permittee may demonstrate compliance with this emission limitation by multiplying the outlet grain loading emission factor of 0.0007 gr/dscf by the maximum volumetric air flow rate of 20000 acfm and converting to pounds/hour by multiplying by 60 min/hr and dividing by 7000 gr/lb. If required, the permittee shall demonstrate compliance by testing in accordance with Method 5, 40 CFR 60, Appendix A.

   The annual PE limitation was developed by multiplying the hourly PE limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

b. Emission Limitations:
0.75 lb OC/hr & 3.29 tons OC/yr

Applicable Compliance Method:
The permittee may demonstrate compliance with this emissions limitation by multiplying the outlet grain loading emission factor of 0.0044 gr/wscf by the maximum volumetric air flow rate of 20000 wscf and converting to pounds/hour by multiplying by 60 min/hr and dividing by 7000 gr/lb. Compliance shall be demonstrated by the monitoring and recordkeeping specified in A.III.2

The annual OC limitation was developed by multiplying the hourly OC limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

c. Emission Limitation:
Visible particulate emissions shall not exceed 10% opacity, as a six-minute average.

Applicable Compliance Method:
If required, compliance with the visible emission limitation specified above shall be determined in accordance with Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60.

VI. Miscellaneous Requirements

None

B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P084 - Engine machining operation with oil mist collection system (MC-13).	None	See B.III.

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

1. The permit to install for this emissions unit was evaluated based on the actual materials (metal working fluids) and the design parameters of the emissions unit's exhaust system, as specified by the permittee in the permit to install application. The Ohio EPA's "Review of New Sources of Air Toxic Emissions" policy ("Air Toxic Policy") was applied for each pollutant emitted by this emissions unit using data from the permit to install application and the SCREEN 3.0 model (or other Ohio EPA approved model). The predicted 1-hour maximum ground-level concentration from the use of the SCREEN 3.0 model was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC). The following summarizes the results of the modeling for the "worst case" pollutant(s):

   Pollutant: petroleum distillates (stoddard solvent)

   TLV (mg/m3): 342,300 mg/m3

Maximum Hourly Emission Rate (lbs/hr): 8.11*

Predicted 1-Hour Maximum Ground-Level
Concentration (ug/m3): 897.4

MAGLC (ug/m3): 13,633.3

*The hourly emission rate is a combined limit from all of the oil mist collectors that were installed at the Ford Motor Company in 1994 (P079, P085, P086, P087, P088, P089, P090, P091, P092, and P093). This limit reflects the largest annual increase of VOC from the oil mist collectors contained in this PTI.

2. Physical changes to or changes in the method of operation of the emissions unit after its installation or modification could affect the parameters used to determine whether or not the "Air Toxic Policy" is satisfied. Consequently, prior to making a change that could impact such parameters, the permittee shall conduct an evaluation to determine that the "Air Toxic Policy" will still be satisfied. If, upon evaluation, the permittee determines that the "Air Toxic Policy" will not be satisfied, the permittee will not make the change. Changes that can affect the parameters used in applying the "Air Toxic Policy" include the following:

   a. changes in the composition of the materials used (coatings or cleanup materials), or the use of new materials, that would result in the emission of a compound with a lower Threshold Limit Value (TLV), as indicated in the most recent version of the handbook entitled "American Conference of Governmental Industrial Hygienists (ACGIH)," than the lowest TLV value previously modeled;

   b. changes in the composition of the materials, or use of new materials, that would result in an increase in emissions of any pollutant with a listed TLV that was proposed in the application and modeled; and

   c. physical changes to the emissions unit or its exhaust parameters (e.g., increased/ decreased exhaust flow, changes in stack height, changes in stack diameter, etc.).

   If the permittee determines that the "Air Toxic Policy" will be satisfied for the above changes, the Ohio EPA will not consider the change(s) to be a "modification" under OAC rule 3745-31-01(VV)(1)(a)(ii), and a modification of the existing permit to install will not be required. If the change(s) is (are) defined as a modification under other provisions of the modification definition (other than (VV)(1)(a)(ii)), then the permittee shall obtain a final permit to install prior to the change.

3. The permittee shall collect, record, and retain the following information when it conducts evaluations to determine that the changed emissions unit will still satisfy the "Air Toxic Policy:"

   a. a description of the parameters changed (composition of materials, new pollutants emitted, change in stack/exhaust parameters, etc.);

b. documentation of its evaluation and determination that the changed emissions unit still satisfies the "Air Toxic Policy"; and

c. where computer modeling is performed, a copy of the resulting computer model runs that show the results of the application of the "Air Toxic Policy" for the change.

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P085 - Engine machining operation with oil mist collection system (MC-14).	OAC rule 3745-31-05(A)(3)	0.15 lb particulate emissions (PE)/hr 0.66 ton PE/yr 0.94 lb organic compounds (OC)/hr 4.12 tons OC/yr 10% opacity, as a six-minute average see A.I.2.a.
	OAC rule 3745-17-07(A)	see A.I.2.b.
	OAC rule 3745-17-11(B)(1)	see A.I.2.b.
	OAC rule 3745-21-07(G)(2)	see A.II.1.

2. Additional Terms and Conditions

2.a Best Available Technology (BAT) for this emissions unit has been determined to be a maximum outlet grain loading of 0.0007 gr PE/dscf and 0.0044 gr VOC/wscf.

2.b The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

II. Operational Restrictions

1. The use of photochemically reactive materials, as defined in OAC rule 3745-21-01(C)(5), in this emissions unit is prohibited.

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain monthly records of the following information for this emissions unit:

   a. the company identification for each metal working fluid employed in this emissions unit; and,

   b. documentation on whether or not each metal working fluid employed is a photochemically reactive material.

2. The permittee shall perform daily checks, Monday through Friday, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

   a. the color of the emissions;
   b. whether the emissions are representative of normal operations;
   c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
   d. the total duration of any visible emission incident; and
   e. any corrective actions taken to eliminate the abnormal visible emissions.

3. Notwithstanding the frequency of the monitoring and record keeping requirements specified in section A.III.2., the permittee may reduce the visual observations from daily readings to weekly readings if the following conditions are met:

   a. for 1 full quarter the facility's daily visual observations indicate no abnormal visible emissions; and

   b. the permittee continues to comply with all the record keeping and monitoring requirements specified in section A.III.1., on a weekly basis.

   The permittee shall revert to daily readings if any abnormal visible emissions are observed. The daily readings shall continue for one full quarter. If abnormal visible emissions are observed during this time, the permittee shall continue daily readings until such time that no abnormal visible emissions have been observed for a period of three consecutive months.

4. The permit to install for this emissions unit was evaluated based on information contained in the permit to install application. Prior to any physical change or change in the method of operation

involving the engine machining operation and/or oil collection system associated with this emissions unit, the permittee shall conduct an evaluation to determine if the change would constitute a "modification" as defined in OAC rule 3745-31-01 (VV). If any physical change in, or change(s) in the method of operation is (are) defined as a modification, then the permittee shall obtain a final permit to install modification prior to performing such change. The permittee shall collect, record and retain all evaluation information and the final determination when modification evaluations are performed.

IV. Reporting Requirements

1. The permittee shall notify the Director (the appropriate Ohio EPA District Office) in writing of any daily record showing the use of any photochemically reactive material in this emissions unit. The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office) within 45 days after the event occurs.

2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from this emissions unit, and (b) describe any corrective actions taken to eliminate the abnormal visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

V. Testing Requirements

1. Compliance with the emission limitation(s) in section A.I. of the terms and conditions of this permit shall be determined in accordance with the following method(s):

   a. <u>Emission Limitations:</u>
   0.15 lb PE/hr & 0.66 ton PE/yr

   <u>Applicable Compliance Method:</u>
   The permittee may demonstrate compliance with this emission limitation by multiplying the outlet grain loading emission factor of 0.0007 gr/dscf by the maximum volumetric air flow rate of 25000 acfm and converting to pounds/hour by multiplying by 60 min/hr and dividing by 7000 gr/lb. If required, the permittee shall demonstrate compliance by testing in accordance with Method 5, 40 CFR 60, Appendix A.

   The annual PE limitation was developed by multiplying the hourly PE limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

b. Emission Limitations:
0.94 lb OC/hr & 4.12 tons OC/yr

Applicable Compliance Method:
The permittee may demonstrate compliance with this emissions limitation by multiplying the outlet grain loading emission factor of 0.0044 gr/wscf by the maximum volumetric air flow rate of 25000 wscf and converting to pounds/hour by multiplying by 60 min/hr and dividing by 7000 gr/lb. Compliance shall be demonstrated by the monitoring and recordkeeping specified in A.III.2

The annual OC limitation was developed by multiplying the hourly OC limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

c. Emission Limitation:
Visible particulate emissions shall not exceed 10% opacity, as a six-minute average.

Applicable Compliance Method:
If required, compliance with the visible emission limitation specified above shall be determined in accordance with Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60.

VI. Miscellaneous Requirements

None

B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P085 - Engine machining operation with oil mist collection system (MC-14).	None	See B.III.

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

1. The permit to install for this emissions unit was evaluated based on the actual materials (metal working fluids) and the design parameters of the emissions unit's exhaust system, as specified by the permittee in the permit to install application. The Ohio EPA's "Review of New Sources of Air Toxic Emissions" policy ("Air Toxic Policy") was applied for each pollutant emitted by this emissions unit using data from the permit to install application and the SCREEN 3.0 model (or other Ohio EPA approved model). The predicted 1-hour maximum ground-level concentration from the use of the SCREEN 3.0 model was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC). The following summarizes the results of the modeling for the "worst case" pollutant(s):

   Pollutant: petroleum distillates (stoddard solvent)

   TLV (mg/m3): 342,300 mg/m3

Maximum Hourly Emission Rate (lbs/hr): 8.11*

Predicted 1-Hour Maximum Ground-Level
Concentration (ug/m3): 897.4

MAGLC (ug/m3): 13,633.3

*The hourly emission rate is a combined limit from all of the oil mist collectors that were installed at the Ford Motor Company in 1994 (P079, P085, P086, P087, P088, P089, P090, P091, P092, and P093). This limit reflects the largest annual increase of VOC from the oil mist collectors contained in this PTI.

2. Physical changes to or changes in the method of operation of the emissions unit after its installation or modification could affect the parameters used to determine whether or not the "Air Toxic Policy" is satisfied. Consequently, prior to making a change that could impact such parameters, the permittee shall conduct an evaluation to determine that the "Air Toxic Policy" will still be satisfied. If, upon evaluation, the permittee determines that the "Air Toxic Policy" will not be satisfied, the permittee will not make the change. Changes that can affect the parameters used in applying the "Air Toxic Policy" include the following:

   a. changes in the composition of the materials used (coatings or cleanup materials), or the use of new materials, that would result in the emission of a compound with a lower Threshold Limit Value (TLV), as indicated in the most recent version of the handbook entitled "American Conference of Governmental Industrial Hygienists (ACGIH)," than the lowest TLV value previously modeled;

   b. changes in the composition of the materials, or use of new materials, that would result in an increase in emissions of any pollutant with a listed TLV that was proposed in the application and modeled; and

   c. physical changes to the emissions unit or its exhaust parameters (e.g., increased/ decreased exhaust flow, changes in stack height, changes in stack diameter, etc.).

   If the permittee determines that the "Air Toxic Policy" will be satisfied for the above changes, the Ohio EPA will not consider the change(s) to be a "modification" under OAC rule 3745-31-01(VV)(1)(a)(ii), and a modification of the existing permit to install will not be required. If the change(s) is (are) defined as a modification under other provisions of the modification definition (other than (VV)(1)(a)(ii)), then the permittee shall obtain a final permit to install prior to the change.

3. The permittee shall collect, record, and retain the following information when it conducts evaluations to determine that the changed emissions unit will still satisfy the "Air Toxic Policy:"

   a. a description of the parameters changed (composition of materials, new pollutants emitted, change in stack/exhaust parameters, etc.);

b. documentation of its evaluation and determination that the changed emissions unit still satisfies the "Air Toxic Policy"; and

c. where computer modeling is performed, a copy of the resulting computer model runs that show the results of the application of the "Air Toxic Policy" for the change.

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P086 - Engine machining operation with oil mist collection system (MC-15).	OAC rule 3745-31-05(A)(3)	0.21 lb particulate emissions (PE)/hr 0.92 ton PE/yr 1.32 lbs organic compounds (OC)/hr 5.78 tons OC/yr 10% opacity, as a six-minute average see A.I.2.a.
	OAC rule 3745-17-07(A)	see A.I.2.b.
	OAC rule 3745-17-11(B)(1)	see A.I.2.b.
	OAC rule 3745-21-07(G)(2)	see A.II.1.

2. Additional Terms and Conditions

2.a Best Available Technology (BAT) for this emissions unit has been determined to be a maximum outlet grain loading of 0.0007 gr PE/dscf and 0.0044 gr VOC/wscf.

2.b The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

II. Operational Restrictions

1. The use of photochemically reactive materials, as defined in OAC rule 3745-21-01(C)(5), in this emissions unit is prohibited.

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain monthly records of the following information for this emissions unit:

   a. the company identification for each metal working fluid employed in this emissions unit; and,

   b. documentation on whether or not each metal working fluid employed is a photochemically reactive material.

2. The permittee shall perform daily checks, Monday through Friday, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

   a. the color of the emissions;
   b. whether the emissions are representative of normal operations;
   c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
   d. the total duration of any visible emission incident; and
   e. any corrective actions taken to eliminate the abnormal visible emissions.

3. Notwithstanding the frequency of the monitoring and record keeping requirements specified in section A.III.2., the permittee may reduce the visual observations from daily readings to weekly readings if the following conditions are met:

   a. for 1 full quarter the facility's daily visual observations indicate no abnormal visible emissions; and

   b. the permittee continues to comply with all the record keeping and monitoring requirements specified in section A.III.1., on a weekly basis.

   The permittee shall revert to daily readings if any abnormal visible emissions are observed. The daily readings shall continue for one full quarter. If abnormal visible emissions are observed during this time, the permittee shall continue daily readings until such time that no abnormal visible emissions have been observed for a period of three consecutive months.

4. The permit to install for this emissions unit was evaluated based on information contained in the permit to install application. Prior to any physical change or change in the method of operation

involving the engine machining operation and/or oil collection system associated with this emissions unit, the permittee shall conduct an evaluation to determine if the change would constitute a "modification" as defined in OAC rule 3745-31-01 (VV). If any physical change in, or change(s) in the method of operation is (are) defined as a modification, then the permittee shall obtain a final permit to install modification prior to performing such change. The permittee shall collect, record and retain all evaluation information and the final determination when modification evaluations are performed.

IV. Reporting Requirements

1. The permittee shall notify the Director (the appropriate Ohio EPA District Office) in writing of any daily record showing the use of any photochemically reactive material in this emissions unit. The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office) within 45 days after the event occurs.

2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from this emissions unit, and (b) describe any corrective actions taken to eliminate the abnormal visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

V. Testing Requirements

1. Compliance with the emission limitation(s) in section A.I. of the terms and conditions of this permit shall be determined in accordance with the following method(s):

   a. <u>Emission Limitations:</u>
   0.21 lb PE/hr & 0.92 ton PE/yr

   <u>Applicable Compliance Method:</u>
   The permittee may demonstrate compliance with this emission limitation by multiplying the outlet grain loading emission factor of 0.0007 gr/dscf by the maximum volumetric air flow rate of 35000 acfm and converting to pounds/hour by multiplying by 60 min/hr and dividing by 7000 gr/lb. If required, the permittee shall demonstrate compliance by testing in accordance with Method 5, 40 CFR 60, Appendix A.

   The annual PE limitation was developed by multiplying the hourly PE limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

b. Emission Limitations:
1.32 lbs OC/hr & 5.78 tons OC/yr

Applicable Compliance Method:
The permittee may demonstrate compliance with this emissions limitation by multiplying the outlet grain loading emission factor of 0.0044 gr/wscf by the maximum volumetric air flow rate of 35000 wscf and converting to pounds/hour by multiplying by 60 min/hr and dividing by 7000 gr/lb. Compliance shall be demonstrated by the monitoring and recordkeeping specified in A.III.2

The annual OC limitation was developed by multiplying the hourly OC limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

c. Emission Limitation:
Visible particulate emissions shall not exceed 10% opacity, as a six-minute average.

Applicable Compliance Method:
If required, compliance with the visible emission limitation specified above shall be determined in accordance with Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60.

VI. Miscellaneous Requirements

None

B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P086 - Engine machining operation with oil mist collection system (MC-15).	None	See B.III.

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

1. The permit to install for this emissions unit was evaluated based on the actual materials (metal working fluids) and the design parameters of the emissions unit's exhaust system, as specified by the permittee in the permit to install application. The Ohio EPA's "Review of New Sources of Air Toxic Emissions" policy ("Air Toxic Policy") was applied for each pollutant emitted by this emissions unit using data from the permit to install application and the SCREEN 3.0 model (or other Ohio EPA approved model). The predicted 1-hour maximum ground-level concentration from the use of the SCREEN 3.0 model was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC). The following summarizes the results of the modeling for the "worst case" pollutant(s):

   Pollutant: petroleum distillates (stoddard solvent)

   TLV (mg/m3): 342,300 mg/m3

Maximum Hourly Emission Rate (lbs/hr): 8.11*

Predicted 1-Hour Maximum Ground-Level
Concentration (ug/m3): 897.4

MAGLC (ug/m3): 13,633.3

*The hourly emission rate is a combined limit from all of the oil mist collectors that were installed at the Ford Motor Company in 1994 (P079, P085, P086, P087, P088, P089, P090, P091, P092, and P093). This limit reflects the largest annual increase of VOC from the oil mist collectors contained in this PTI.

2. Physical changes to or changes in the method of operation of the emissions unit after its installation or modification could affect the parameters used to determine whether or not the "Air Toxic Policy" is satisfied. Consequently, prior to making a change that could impact such parameters, the permittee shall conduct an evaluation to determine that the "Air Toxic Policy" will still be satisfied. If, upon evaluation, the permittee determines that the "Air Toxic Policy" will not be satisfied, the permittee will not make the change. Changes that can affect the parameters used in applying the "Air Toxic Policy" include the following:

   a. changes in the composition of the materials used (coatings or cleanup materials), or the use of new materials, that would result in the emission of a compound with a lower Threshold Limit Value (TLV), as indicated in the most recent version of the handbook entitled "American Conference of Governmental Industrial Hygienists (ACGIH)," than the lowest TLV value previously modeled;

   b. changes in the composition of the materials, or use of new materials, that would result in an increase in emissions of any pollutant with a listed TLV that was proposed in the application and modeled; and

   c. physical changes to the emissions unit or its exhaust parameters (e.g., increased/ decreased exhaust flow, changes in stack height, changes in stack diameter, etc.).

   If the permittee determines that the "Air Toxic Policy" will be satisfied for the above changes, the Ohio EPA will not consider the change(s) to be a "modification" under OAC rule 3745-31-01(VV)(1)(a)(ii), and a modification of the existing permit to install will not be required. If the change(s) is (are) defined as a modification under other provisions of the modification definition (other than (VV)(1)(a)(ii)), then the permittee shall obtain a final permit to install prior to the change.

3. The permittee shall collect, record, and retain the following information when it conducts evaluations to determine that the changed emissions unit will still satisfy the "Air Toxic Policy:"

   a. a description of the parameters changed (composition of materials, new pollutants emitted, change in stack/exhaust parameters, etc.);

b. documentation of its evaluation and determination that the changed emissions unit still satisfies the "Air Toxic Policy"; and

c. where computer modeling is performed, a copy of the resulting computer model runs that show the results of the application of the "Air Toxic Policy" for the change.

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P087 - Engine machining operation with oil mist collection system (MC-16).	OAC rule 3745-31-05(A)(3)	0.03 lb particulate emissions (PE)/hr 0.13 ton PE/yr 0.19 lb organic compounds (OC)/hr 0.83 ton OC/yr 10% opacity, as a six-minute average see A.I.2.a.
	OAC rule 3745-17-07(A)	see A.I.2.b.
	OAC rule 3745-17-11(B)(1)	see A.I.2.b.
	OAC rule 3745-21-07(G)(2)	see A.II.1.

2. Additional Terms and Conditions

2.a Best Available Technology (BAT) for this emissions unit has been determined to be a maximum outlet grain loading of 0.0007 gr PE/dscf and 0.0044 gr VOC/wscf.

2.b The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

II. Operational Restrictions

1. The use of photochemically reactive materials, as defined in OAC rule 3745-21-01(C)(5), in this emissions unit is prohibited.

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain monthly records of the following information for this emissions unit:

   a. the company identification for each metal working fluid employed in this emissions unit; and,

   b. documentation on whether or not each metal working fluid employed is a photochemically reactive material.

2. The permittee shall perform daily checks, Monday through Friday, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

   a. the color of the emissions;
   b. whether the emissions are representative of normal operations;
   c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
   d. the total duration of any visible emission incident; and
   e. any corrective actions taken to eliminate the abnormal visible emissions.

3. Notwithstanding the frequency of the monitoring and record keeping requirements specified in section A.III.2., the permittee may reduce the visual observations from daily readings to weekly readings if the following conditions are met:

   a. for 1 full quarter the facility's daily visual observations indicate no abnormal visible emissions; and

   b. the permittee continues to comply with all the record keeping and monitoring requirements specified in section A.III.1., on a weekly basis.

   The permittee shall revert to daily readings if any abnormal visible emissions are observed. The daily readings shall continue for one full quarter. If abnormal visible emissions are observed during this time, the permittee shall continue daily readings until such time that no abnormal visible emissions have been observed for a period of three consecutive months.

4. The permit to install for this emissions unit was evaluated based on information contained in the permit to install application. Prior to any physical change or change in the method of operation

involving the engine machining operation and/or oil collection system associated with this emissions unit, the permittee shall conduct an evaluation to determine if the change would constitute a "modification" as defined in OAC rule 3745-31-01 (VV). If any physical change in, or change(s) in the method of operation is (are) defined as a modification, then the permittee shall obtain a final permit to install modification prior to performing such change. The permittee shall collect, record and retain all evaluation information and the final determination when modification evaluations are performed.

IV. Reporting Requirements

1. The permittee shall notify the Director (the appropriate Ohio EPA District Office) in writing of any daily record showing the use of any photochemically reactive material in this emissions unit. The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office) within 45 days after the event occurs.

2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from this emissions unit, and (b) describe any corrective actions taken to eliminate the abnormal visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

V. Testing Requirements

1. Compliance with the emission limitation(s) in section A.I. of the terms and conditions of this permit shall be determined in accordance with the following method(s):

   a. <u>Emission Limitations:</u>
   0.03 lb PE/hr & 0.13 ton PE/yr

   <u>Applicable Compliance Method:</u>
   The permittee may demonstrate compliance with this emission limitation by multiplying the outlet grain loading emission factor of 0.0007 gr/dscf by the maximum volumetric air flow rate of 5000 acfm and converting to pounds/hour by multiplying by 60 min/hr and dividing by 7000 gr/lb. If required, the permittee shall demonstrate compliance by testing in accordance with Method 5, 40 CFR 60, Appendix A.

   The annual PE limitation was developed by multiplying the hourly PE limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

   b. <u>Emission Limitations:</u>
   0.19 lb OC/hr & 0.83 ton OC/yr

Applicable Compliance Method:
The permittee may demonstrate compliance with this emissions limitation by multiplying the outlet grain loading emission factor of 0.0044 gr/wscf by the maximum volumetric air flow rate of 5000 wscf and converting to pounds/hour by multiplying by 60 min/hr and dividing by 7000 gr/lb. Compliance shall be demonstrated by the monitoring and recordkeeping specified in A.III.2

The annual OC limitation was developed by multiplying the hourly OC limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

c. Emission Limitation:
Visible particulate emissions shall not exceed 10% opacity, as a six-minute average.

Applicable Compliance Method:
If required, compliance with the visible emission limitation specified above shall be determined in accordance with Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60.

VI. Miscellaneous Requirements

None

B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P087 - Engine machining operation with oil mist collection system (MC-16).	None	See B.III.

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

1. The permit to install for this emissions unit was evaluated based on the actual materials (metal working fluids) and the design parameters of the emissions unit's exhaust system, as specified by the permittee in the permit to install application. The Ohio EPA's "Review of New Sources of Air Toxic Emissions" policy ("Air Toxic Policy") was applied for each pollutant emitted by this emissions unit using data from the permit to install application and the SCREEN 3.0 model (or other Ohio EPA approved model). The predicted 1-hour maximum ground-level concentration from the use of the SCREEN 3.0 model was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC). The following summarizes the results of the modeling for the "worst case" pollutant(s):

   Pollutant: petroleum distillates (stoddard solvent)

   TLV (mg/m3): 342,300 mg/m3

   Maximum Hourly Emission Rate (lbs/hr): 8.11*

   Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 897.4

MAGLC (ug/m3): 13,633.3

*The hourly emission rate is a combined limit from all of the oil mist collectors that were installed at the Ford Motor Company in 1994 (P079, P085, P086, P087, P088, P089, P090, P091, P092, and P093). This limit reflects the largest annual increase of VOC from the oil mist collectors contained in this PTI.

2. Physical changes to or changes in the method of operation of the emissions unit after its installation or modification could affect the parameters used to determine whether or not the "Air Toxic Policy" is satisfied. Consequently, prior to making a change that could impact such parameters, the permittee shall conduct an evaluation to determine that the "Air Toxic Policy" will still be satisfied. If, upon evaluation, the permittee determines that the "Air Toxic Policy" will not be satisfied, the permittee will not make the change. Changes that can affect the parameters used in applying the "Air Toxic Policy" include the following:

   a. changes in the composition of the materials used (coatings or cleanup materials), or the use of new materials, that would result in the emission of a compound with a lower Threshold Limit Value (TLV), as indicated in the most recent version of the handbook entitled "American Conference of Governmental Industrial Hygienists (ACGIH)," than the lowest TLV value previously modeled;

   b. changes in the composition of the materials, or use of new materials, that would result in an increase in emissions of any pollutant with a listed TLV that was proposed in the application and modeled; and

   c. physical changes to the emissions unit or its exhaust parameters (e.g., increased/ decreased exhaust flow, changes in stack height, changes in stack diameter, etc.).

   If the permittee determines that the "Air Toxic Policy" will be satisfied for the above changes, the Ohio EPA will not consider the change(s) to be a "modification" under OAC rule 3745-31-01(VV)(1)(a)(ii), and a modification of the existing permit to install will not be required. If the change(s) is (are) defined as a modification under other provisions of the modification definition (other than (VV)(1)(a)(ii)), then the permittee shall obtain a final permit to install prior to the change.

3. The permittee shall collect, record, and retain the following information when it conducts evaluations to determine that the changed emissions unit will still satisfy the "Air Toxic Policy:"

   a. a description of the parameters changed (composition of materials, new pollutants emitted, change in stack/exhaust parameters, etc.);

b. documentation of its evaluation and determination that the changed emissions unit still satisfies the "Air Toxic Policy"; and

c. where computer modeling is performed, a copy of the resulting computer model runs that show the results of the application of the "Air Toxic Policy" for the change.

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P088 - Engine machining operation with oil mist collection system (MC-17).	OAC rule 3745-31-05(A)(3)	0.05 lb particulate emissions (PE)/hr 0.22 ton PE/yr 0.30 lb organic compounds (OC)/hr 1.31 tons OC/yr 10% opacity, as a six-minute average see A.I.2.a.
	OAC rule 3745-17-07(A)	see A.I.2.b.
	OAC rule 3745-17-11(B)(1)	see A.I.2.b.
	OAC rule 3745-21-07(G)(2)	see A.II.1.

2. Additional Terms and Conditions

2.a Best Available Technology (BAT) for this emissions unit has been determined to be a maximum outlet grain loading of 0.0007 gr PE/dscf and 0.0044 gr VOC/wscf.

2.b The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

II. Operational Restrictions

1. The use of photochemically reactive materials, as defined in OAC rule 3745-21-01(C)(5), in this emissions unit is prohibited.

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain monthly records of the following information for this emissions unit:

   a. the company identification for each metal working fluid employed in this emissions unit; and,

   b. documentation on whether or not each metal working fluid employed is a photochemically reactive material.

2. The permittee shall perform daily checks, Monday through Friday, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

   a. the color of the emissions;
   b. whether the emissions are representative of normal operations;
   c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
   d. the total duration of any visible emission incident; and
   e. any corrective actions taken to eliminate the abnormal visible emissions.

3. Notwithstanding the frequency of the monitoring and record keeping requirements specified in section A.III.2., the permittee may reduce the visual observations from daily readings to weekly readings if the following conditions are met:

   a. for 1 full quarter the facility's daily visual observations indicate no abnormal visible emissions; and

   b. the permittee continues to comply with all the record keeping and monitoring requirements specified in section A.III.1., on a weekly basis.

   The permittee shall revert to daily readings if any abnormal visible emissions are observed. The daily readings shall continue for one full quarter. If abnormal visible emissions are observed during this time, the permittee shall continue daily readings until such time that no abnormal visible emissions have been observed for a period of three consecutive months.

4. The permit to install for this emissions unit was evaluated based on information contained in the permit to install application. Prior to any physical change or change in the method of operation

involving the engine machining operation and/or oil collection system associated with this emissions unit, the permittee shall conduct an evaluation to determine if the change would constitute a "modification" as defined in OAC rule 3745-31-01 (VV). If any physical change in, or change(s) in the method of operation is (are) defined as a modification, then the permittee shall obtain a final permit to install modification prior to performing such change. The permittee shall collect, record and retain all evaluation information and the final determination when modification evaluations are performed.

IV. Reporting Requirements

1. The permittee shall notify the Director (the appropriate Ohio EPA District Office) in writing of any daily record showing the use of any photochemically reactive material in this emissions unit. The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office) within 45 days after the event occurs.

2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from this emissions unit, and (b) describe any corrective actions taken to eliminate the abnormal visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

V. Testing Requirements

1. Compliance with the emission limitation(s) in section A.I. of the terms and conditions of this permit shall be determined in accordance with the following method(s):

   a. <u>Emission Limitations:</u>
   0.05 lb PE/hr & 0.22 ton PE/yr

   <u>Applicable Compliance Method:</u>
   The permittee may demonstrate compliance with this emission limitation by multiplying the outlet grain loading emission factor of 0.0007 gr/dscf by the maximum volumetric air flow rate of 8000 acfm and converting to pounds/hour by multiplying by 60 min/hr and dividing by 7000 gr/lb. If required, the permittee shall demonstrate compliance by testing in accordance with Method 5, 40 CFR 60, Appendix A.

   The annual PE limitation was developed by multiplying the hourly PE limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

   b. <u>Emission Limitations:</u>
   0.30 lb OC/hr & 1.31 tons OC/yr

Applicable Compliance Method:
The permittee may demonstrate compliance with this emissions limitation by multiplying the outlet grain loading emission factor of 0.0044 gr/wscf by the maximum volumetric air flow rate of 8000 wscf and converting to pounds/hour by multiplying by 60 min/hr and dividing by 7000 gr/lb. Compliance shall be demonstrated by the monitoring and recordkeeping specified in A.III.2

The annual OC limitation was developed by multiplying the hourly OC limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

c. Emission Limitation:
Visible particulate emissions shall not exceed 10% opacity, as a six-minute average.

Applicable Compliance Method:
If required, compliance with the visible emission limitation specified above shall be determined in accordance with Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60.

VI. Miscellaneous Requirements

None

B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P088 - Engine machining operation with oil mist collection system (MC-17).	None	See B.III.

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

1. The permit to install for this emissions unit was evaluated based on the actual materials (metal working fluids) and the design parameters of the emissions unit's exhaust system, as specified by the permittee in the permit to install application. The Ohio EPA's "Review of New Sources of Air Toxic Emissions" policy ("Air Toxic Policy") was applied for each pollutant emitted by this emissions unit using data from the permit to install application and the SCREEN 3.0 model (or other Ohio EPA approved model). The predicted 1-hour maximum ground-level concentration from the use of the SCREEN 3.0 model was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC). The following summarizes the results of the modeling for the "worst case" pollutant(s):

   Pollutant: petroleum distillates (stoddard solvent)

   TLV (mg/m3): 342,300 mg/m3

   Maximum Hourly Emission Rate (lbs/hr): 8.11*

   Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 897.4

MAGLC (ug/m3): 13,633.3

*The hourly emission rate is a combined limit from all of the oil mist collectors that were installed at the Ford Motor Company in 1994 (P079, P085, P086, P087, P088, P089, P090, P091, P092, and P093). This limit reflects the largest annual increase of VOC from the oil mist collectors contained in this PTI.

2. Physical changes to or changes in the method of operation of the emissions unit after its installation or modification could affect the parameters used to determine whether or not the "Air Toxic Policy" is satisfied. Consequently, prior to making a change that could impact such parameters, the permittee shall conduct an evaluation to determine that the "Air Toxic Policy" will still be satisfied. If, upon evaluation, the permittee determines that the "Air Toxic Policy" will not be satisfied, the permittee will not make the change. Changes that can affect the parameters used in applying the "Air Toxic Policy" include the following:

   a. changes in the composition of the materials used (coatings or cleanup materials), or the use of new materials, that would result in the emission of a compound with a lower Threshold Limit Value (TLV), as indicated in the most recent version of the handbook entitled "American Conference of Governmental Industrial Hygienists (ACGIH)," than the lowest TLV value previously modeled;

   b. changes in the composition of the materials, or use of new materials, that would result in an increase in emissions of any pollutant with a listed TLV that was proposed in the application and modeled; and

   c. physical changes to the emissions unit or its exhaust parameters (e.g., increased/ decreased exhaust flow, changes in stack height, changes in stack diameter, etc.).

   If the permittee determines that the "Air Toxic Policy" will be satisfied for the above changes, the Ohio EPA will not consider the change(s) to be a "modification" under OAC rule 3745-31-01(VV)(1)(a)(ii), and a modification of the existing permit to install will not be required. If the change(s) is (are) defined as a modification under other provisions of the modification definition (other than (VV)(1)(a)(ii)), then the permittee shall obtain a final permit to install prior to the change.

3. The permittee shall collect, record, and retain the following information when it conducts evaluations to determine that the changed emissions unit will still satisfy the "Air Toxic Policy:"

   a. a description of the parameters changed (composition of materials, new pollutants emitted, change in stack/exhaust parameters, etc.);

b. documentation of its evaluation and determination that the changed emissions unit still satisfies the "Air Toxic Policy"; and

c. where computer modeling is performed, a copy of the resulting computer model runs that show the results of the application of the "Air Toxic Policy" for the change.

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P089 - Engine machining operation with oil mist collection system (MC-18).	OAC rule 3745-31-05(A)(3)	0.16 lb particulate emissions (PE)/hr 0.70 ton PE/yr 0.98 lb organic compounds (OC)/hr 4.29 tons OC/yr 10% opacity, as a six-minute average see A.I.2.a.
	OAC rule 3745-17-07(A)	see A.I.2.b.
	OAC rule 3745-17-11(B)(1)	see A.I.2.b.
	OAC rule 3745-21-07(G)(2)	see A.II.1.

2. Additional Terms and Conditions

2.a Best Available Technology (BAT) for this emissions unit has been determined to be a maximum outlet grain loading of 0.0007 gr PE/dscf and 0.0044 gr VOC/wscf.

2.b The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

II. Operational Restrictions

1. The use of photochemically reactive materials, as defined in OAC rule 3745-21-01(C)(5), in this emissions unit is prohibited.

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain monthly records of the following information for this emissions unit:

   a. the company identification for each metal working fluid employed in this emissions unit; and,

   b. documentation on whether or not each metal working fluid employed is a photochemically reactive material.

2. The permittee shall perform daily checks, Monday through Friday, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

   a. the color of the emissions;
   b. whether the emissions are representative of normal operations;
   c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
   d. the total duration of any visible emission incident; and
   e. any corrective actions taken to eliminate the abnormal visible emissions.

3. Notwithstanding the frequency of the monitoring and record keeping requirements specified in section A.III.2., the permittee may reduce the visual observations from daily readings to weekly readings if the following conditions are met:

   a. for 1 full quarter the facility's daily visual observations indicate no abnormal visible emissions; and

   b. the permittee continues to comply with all the record keeping and monitoring requirements specified in section A.III.1., on a weekly basis.

   The permittee shall revert to daily readings if any abnormal visible emissions are observed. The daily readings shall continue for one full quarter. If abnormal visible emissions are observed during this time, the permittee shall continue daily readings until such time that no abnormal visible emissions have been observed for a period of three consecutive months.

4. The permit to install for this emissions unit was evaluated based on information contained in the permit to install application. Prior to any physical change or change in the method of operation

involving the engine machining operation and/or oil collection system associated with this emissions unit, the permittee shall conduct an evaluation to determine if the change would constitute a "modification" as defined in OAC rule 3745-31-01 (VV). If any physical change in, or change(s) in the method of operation is (are) defined as a modification, then the permittee shall obtain a final permit to install modification prior to performing such change. The permittee shall collect, record and retain all evaluation information and the final determination when modification evaluations are performed.

IV. Reporting Requirements

1. The permittee shall notify the Director (the appropriate Ohio EPA District Office) in writing of any daily record showing the use of any photochemically reactive material in this emissions unit. The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office) within 45 days after the event occurs.

2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from this emissions unit, and (b) describe any corrective actions taken to eliminate the abnormal visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

V. Testing Requirements

1. Compliance with the emission limitation(s) in section A.I. of the terms and conditions of this permit shall be determined in accordance with the following method(s):

   a. <u>Emission Limitations:</u>
   0.16 lb PE/hr & 0.70 ton PE/yr

   <u>Applicable Compliance Method:</u>
   The permittee may demonstrate compliance with this emission limitation by multiplying the outlet grain loading emission factor of 0.0007 gr/dscf by the maximum volumetric air flow rate of 26000 acfm and converting to pounds/hour by multiplying by 60 min/hr and dividing by 7000 gr/lb. If required, the permittee shall demonstrate compliance by testing in accordance with Method 5, 40 CFR 60, Appendix A.

   The annual PE limitation was developed by multiplying the hourly PE limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

   b. <u>Emission Limitations:</u>
   0.98 lb OC/hr & 4.29 tons OC/yr

Applicable Compliance Method:
The permittee may demonstrate compliance with this emissions limitation by multiplying the outlet grain loading emission factor of 0.0044 gr/wscf by the maximum volumetric air flow rate of 26000 wscf and converting to pounds/hour by multiplying by 60 min/hr and dividing by 7000 gr/lb. Compliance shall be demonstrated by the monitoring and recordkeeping specified in A.III.2

The annual OC limitation was developed by multiplying the hourly OC limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

c. Emission Limitation:
Visible particulate emissions shall not exceed 10% opacity, as a six-minute average.

Applicable Compliance Method:
If required, compliance with the visible emission limitation specified above shall be determined in accordance with Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60.

VI. Miscellaneous Requirements

None

B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P089 - Engine machining operation with oil mist collection system (MC-18).	None	See B.III.

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

1. The permit to install for this emissions unit was evaluated based on the actual materials (metal working fluids) and the design parameters of the emissions unit's exhaust system, as specified by the permittee in the permit to install application. The Ohio EPA's "Review of New Sources of Air Toxic Emissions" policy ("Air Toxic Policy") was applied for each pollutant emitted by this emissions unit using data from the permit to install application and the SCREEN 3.0 model (or other Ohio EPA approved model). The predicted 1-hour maximum ground-level concentration from the use of the SCREEN 3.0 model was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC). The following summarizes the results of the modeling for the "worst case" pollutant(s):

   Pollutant: petroleum distillates (stoddard solvent)

   TLV (mg/m3): 342,300 mg/m3

Emissions Unit ID: P089

Maximum Hourly Emission Rate (lbs/hr): 8.11*

Predicted 1-Hour Maximum Ground-Level
Concentration (ug/m3): 897.4

MAGLC (ug/m3): 13,633.3

*The hourly emission rate is a combined limit from all of the oil mist collectors that were installed at the Ford Motor Company in 1994 (P079, P085, P086, P087, P088, P089, P090, P091, P092, and P093). This limit reflects the largest annual increase of VOC from the oil mist collectors contained in this PTI.

2. Physical changes to or changes in the method of operation of the emissions unit after its installation or modification could affect the parameters used to determine whether or not the "Air Toxic Policy" is satisfied. Consequently, prior to making a change that could impact such parameters, the permittee shall conduct an evaluation to determine that the "Air Toxic Policy" will still be satisfied. If, upon evaluation, the permittee determines that the "Air Toxic Policy" will not be satisfied, the permittee will not make the change. Changes that can affect the parameters used in applying the "Air Toxic Policy" include the following:

   a. changes in the composition of the materials used (coatings or cleanup materials), or the use of new materials, that would result in the emission of a compound with a lower Threshold Limit Value (TLV), as indicated in the most recent version of the handbook entitled "American Conference of Governmental Industrial Hygienists (ACGIH)," than the lowest TLV value previously modeled;

   b. changes in the composition of the materials, or use of new materials, that would result in an increase in emissions of any pollutant with a listed TLV that was proposed in the application and modeled; and

   c. physical changes to the emissions unit or its exhaust parameters (e.g., increased/ decreased exhaust flow, changes in stack height, changes in stack diameter, etc.).

   If the permittee determines that the "Air Toxic Policy" will be satisfied for the above changes, the Ohio EPA will not consider the change(s) to be a "modification" under OAC rule 3745-31-01(VV)(1)(a)(ii), and a modification of the existing permit to install will not be required. If the change(s) is (are) defined as a modification under other provisions of the modification definition (other than (VV)(1)(a)(ii)), then the permittee shall obtain a final permit to install prior to the change.

3. The permittee shall collect, record, and retain the following information when it conducts evaluations to determine that the changed emissions unit will still satisfy the "Air Toxic Policy:"

   a. a description of the parameters changed (composition of materials, new pollutants emitted, change in stack/exhaust parameters, etc.);

b. documentation of its evaluation and determination that the changed emissions unit still satisfies the "Air Toxic Policy"; and

c. where computer modeling is performed, a copy of the resulting computer model runs that show the results of the application of the "Air Toxic Policy" for the change.

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P090 - Engine machining operation with oil mist collection system (MC-19).	OAC rule 3745-31-05(A)(3)	0.14 lb particulate emissions (PE)/hr 0.61 ton PE/yr 0.91 lb organic compounds (OC)/hr 3.99 tons OC/yr 10% opacity, as a six-minute average see A.I.2.a.
	OAC rule 3745-17-07(A)	see A.I.2.b.
	OAC rule 3745-17-11(B)(1)	see A.I.2.b.
	OAC rule 3745-21-07(G)(2)	see A.II.1.

2. Additional Terms and Conditions

2.a Best Available Technology (BAT) for this emissions unit has been determined to be a maximum outlet grain loading of 0.0007 gr PE/dscf and 0.0044 gr VOC/wscf.

2.b The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

II. Operational Restrictions

1. The use of photochemically reactive materials, as defined in OAC rule 3745-21-01(C)(5), in this emissions unit is prohibited.

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain monthly records of the following information for this emissions unit:

   a. the company identification for each metal working fluid employed in this emissions unit; and,

   b. documentation on whether or not each metal working fluid employed is a photochemically reactive material.

2. The permittee shall perform daily checks, Monday through Friday, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

   a. the color of the emissions;
   b. whether the emissions are representative of normal operations;
   c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
   d. the total duration of any visible emission incident; and
   e. any corrective actions taken to eliminate the abnormal visible emissions.

3. Notwithstanding the frequency of the monitoring and record keeping requirements specified in section A.III.2., the permittee may reduce the visual observations from daily readings to weekly readings if the following conditions are met:

   a. for 1 full quarter the facility's daily visual observations indicate no abnormal visible emissions; and

   b. the permittee continues to comply with all the record keeping and monitoring requirements specified in section A.III.1., on a weekly basis.

   The permittee shall revert to daily readings if any abnormal visible emissions are observed. The daily readings shall continue for one full quarter. If abnormal visible emissions are observed during this time, the permittee shall continue daily readings until such time that no abnormal visible emissions have been observed for a period of three consecutive months.

4. The permit to install for this emissions unit was evaluated based on information contained in the permit to install application. Prior to any physical change or change in the method of operation

involving the engine machining operation and/or oil collection system associated with this emissions unit, the permittee shall conduct an evaluation to determine if the change would constitute a "modification" as defined in OAC rule 3745-31-01 (VV). If any physical change in, or change(s) in the method of operation is (are) defined as a modification, then the permittee shall obtain a final permit to install modification prior to performing such change. The permittee shall collect, record and retain all evaluation information and the final determination when modification evaluations are performed.

IV. Reporting Requirements

1. The permittee shall notify the Director (the appropriate Ohio EPA District Office) in writing of any daily record showing the use of any photochemically reactive material in this emissions unit. The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office) within 45 days after the event occurs.

2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from this emissions unit, and (b) describe any corrective actions taken to eliminate the abnormal visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

V. Testing Requirements

1. Compliance with the emission limitation(s) in section A.I. of the terms and conditions of this permit shall be determined in accordance with the following method(s):

   a. <u>Emission Limitations:</u>
   0.14 lb PE/hr & 0.61 ton PE/yr

   <u>Applicable Compliance Method:</u>
   The permittee may demonstrate compliance with this emission limitation by multiplying the outlet grain loading emission factor of 0.0007 gr/dscf by the maximum volumetric air flow rate of 24000 acfm and converting to pounds/hour by multiplying by 60 min/hr and dividing by 7000 gr/lb. If required, the permittee shall demonstrate compliance by testing in accordance with Method 5, 40 CFR 60, Appendix A.

   The annual PE limitation was developed by multiplying the hourly PE limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

b. Emission Limitations:
0.91 lb OC/hr & 3.99 tons OC/yr

Applicable Compliance Method:
The permittee may demonstrate compliance with this emissions limitation by multiplying the outlet grain loading emission factor of 0.0044 gr/wscf by the maximum volumetric air flow rate of 24000 wscf and converting to pounds/hour by multiplying by 60 min/hr and dividing by 7000 gr/lb. Compliance shall be demonstrated by the monitoring and recordkeeping specified in A.III.2

The annual OC limitation was developed by multiplying the hourly OC limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

c. Emission Limitation:
Visible particulate emissions shall not exceed 10% opacity, as a six-minute average.

Applicable Compliance Method:
If required, compliance with the visible emission limitation specified above shall be determined in accordance with Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60.

VI. Miscellaneous Requirements

None

B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P090 - Engine machining operation with oil mist collection system (MC-19).	None	See B.III.

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

1. The permit to install for this emissions unit was evaluated based on the actual materials (metal working fluids) and the design parameters of the emissions unit's exhaust system, as specified by the permittee in the permit to install application. The Ohio EPA's "Review of New Sources of Air Toxic Emissions" policy ("Air Toxic Policy") was applied for each pollutant emitted by this emissions unit using data from the permit to install application and the SCREEN 3.0 model (or other Ohio EPA approved model). The predicted 1-hour maximum ground-level concentration from the use of the SCREEN 3.0 model was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC). The following summarizes the results of the modeling for the "worst case" pollutant(s):

Pollutant: petroleum distillates (stoddard solvent)

TLV (mg/m3): 342,300 mg/m3

Emissions Unit ID: P090

Maximum Hourly Emission Rate (lbs/hr): 8.11*

Predicted 1-Hour Maximum Ground-Level
Concentration (ug/m3): 897.4

MAGLC (ug/m3): 13,633.3

*The hourly emission rate is a combined limit from all of the oil mist collectors that were installed at the Ford Motor Company in 1994 (P079, P085, P086, P087, P088, P089, P090, P091, P092, and P093). This limit reflects the largest annual increase of VOC from the oil mist collectors contained in this PTI.

2. Physical changes to or changes in the method of operation of the emissions unit after its installation or modification could affect the parameters used to determine whether or not the "Air Toxic Policy" is satisfied. Consequently, prior to making a change that could impact such parameters, the permittee shall conduct an evaluation to determine that the "Air Toxic Policy" will still be satisfied. If, upon evaluation, the permittee determines that the "Air Toxic Policy" will not be satisfied, the permittee will not make the change. Changes that can affect the parameters used in applying the "Air Toxic Policy" include the following:

   a. changes in the composition of the materials used (coatings or cleanup materials), or the use of new materials, that would result in the emission of a compound with a lower Threshold Limit Value (TLV), as indicated in the most recent version of the handbook entitled "American Conference of Governmental Industrial Hygienists (ACGIH)," than the lowest TLV value previously modeled;

   b. changes in the composition of the materials, or use of new materials, that would result in an increase in emissions of any pollutant with a listed TLV that was proposed in the application and modeled; and

   c. physical changes to the emissions unit or its exhaust parameters (e.g., increased/ decreased exhaust flow, changes in stack height, changes in stack diameter, etc.).

   If the permittee determines that the "Air Toxic Policy" will be satisfied for the above changes, the Ohio EPA will not consider the change(s) to be a "modification" under OAC rule 3745-31-01(VV)(1)(a)(ii), and a modification of the existing permit to install will not be required. If the change(s) is (are) defined as a modification under other provisions of the modification definition (other than (VV)(1)(a)(ii)), then the permittee shall obtain a final permit to install prior to the change.

3. The permittee shall collect, record, and retain the following information when it conducts evaluations to determine that the changed emissions unit will still satisfy the "Air Toxic Policy:"

   a. a description of the parameters changed (composition of materials, new pollutants emitted, change in stack/exhaust parameters, etc.);

b. documentation of its evaluation and determination that the changed emissions unit still satisfies the "Air Toxic Policy"; and

c. where computer modeling is performed, a copy of the resulting computer model runs that show the results of the application of the "Air Toxic Policy" for the change.

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P091 - Engine machining operation with oil mist collection system (MC-21).	OAC rule 3745-31-05(A)(3)	0.21 lb particulate emissions (PE)/hr 0.92 ton PE/yr 1.32 lbs organic compounds (OC)/hr 5.78 tons OC/yr 10% opacity, as a six-minute average see A.I.2.a.
	OAC rule 3745-17-07(A)	see A.I.2.b.
	OAC rule 3745-17-11(B)(1)	see A.I.2.b.
	OAC rule 3745-21-07(G)(2)	see A.II.1.

2. Additional Terms and Conditions

2.a Best Available Technology (BAT) for this emissions unit has been determined to be a maximum outlet grain loading of 0.0007 gr PE/dscf and 0.0044 gr VOC/wscf.

2.b The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

II. Operational Restrictions

1. The use of photochemically reactive materials, as defined in OAC rule 3745-21-01(C)(5), in this emissions unit is prohibited.

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain monthly records of the following information for this emissions unit:

   a. the company identification for each metal working fluid employed in this emissions unit; and,

   b. documentation on whether or not each metal working fluid employed is a photochemically reactive material.

2. The permittee shall perform daily checks, Monday through Friday, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

   a. the color of the emissions;
   b. whether the emissions are representative of normal operations;
   c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
   d. the total duration of any visible emission incident; and
   e. any corrective actions taken to eliminate the abnormal visible emissions.

3. Notwithstanding the frequency of the monitoring and record keeping requirements specified in section A.III.2., the permittee may reduce the visual observations from daily readings to weekly readings if the following conditions are met:

   a. for 1 full quarter the facility's daily visual observations indicate no abnormal visible emissions; and

   b. the permittee continues to comply with all the record keeping and monitoring requirements specified in section A.III.1., on a weekly basis.

   The permittee shall revert to daily readings if any abnormal visible emissions are observed. The daily readings shall continue for one full quarter. If abnormal visible emissions are observed during this time, the permittee shall continue daily readings until such time that no abnormal visible emissions have been observed for a period of three consecutive months.

4. The permit to install for this emissions unit was evaluated based on information contained in the permit to install application. Prior to any physical change or change in the method of operation

involving the engine machining operation and/or oil collection system associated with this emissions unit, the permittee shall conduct an evaluation to determine if the change would constitute a "modification" as defined in OAC rule 3745-31-01 (VV). If any physical change in, or change(s) in the method of operation is (are) defined as a modification, then the permittee shall obtain a final permit to install modification prior to performing such change. The permittee shall collect, record and retain all evaluation information and the final determination when modification evaluations are performed.

IV. Reporting Requirements

1. The permittee shall notify the Director (the appropriate Ohio EPA District Office) in writing of any daily record showing the use of any photochemically reactive material in this emissions unit. The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office) within 45 days after the event occurs.

2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from this emissions unit, and (b) describe any corrective actions taken to eliminate the abnormal visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

V. Testing Requirements

1. Compliance with the emission limitation(s) in section A.I. of the terms and conditions of this permit shall be determined in accordance with the following method(s):

   a. <u>Emission Limitations:</u>
   0.21 lb PE/hr & 0.92 ton PE/yr

   <u>Applicable Compliance Method:</u>
   The permittee may demonstrate compliance with this emission limitation by multiplying the outlet grain loading emission factor of 0.0007 gr/dscf by the maximum volumetric air flow rate of 35000 acfm and converting to pounds/hour by multiplying by 60 min/hr and dividing by 7000 gr/lb. If required, the permittee shall demonstrate compliance by testing in accordance with Method 5, 40 CFR 60, Appendix A.

   The annual PE limitation was developed by multiplying the hourly PE limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

b. Emission Limitations:
1.32 lbs OC/hr & 5.78 tons OC/yr

Applicable Compliance Method:
The permittee may demonstrate compliance with this emissions limitation by multiplying the outlet grain loading emission factor of 0.0044 gr/wscf by the maximum volumetric air flow rate of 35000 wscf and converting to pounds/hour by multiplying by 60 min/hr and dividing by 7000 gr/lb. Compliance shall be demonstrated by the monitoring and recordkeeping specified in A.III.2

The annual OC limitation was developed by multiplying the hourly OC limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

c. Emission Limitation:
Visible particulate emissions shall not exceed 10% opacity, as a six-minute average.

Applicable Compliance Method:
If required, compliance with the visible emission limitation specified above shall be determined in accordance with Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60.

VI. Miscellaneous Requirements

None

B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P091 - Engine machining operation with oil mist collection system (MC-21).	None	See B.III.

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

1. The permit to install for this emissions unit was evaluated based on the actual materials (metal working fluids) and the design parameters of the emissions unit's exhaust system, as specified by the permittee in the permit to install application. The Ohio EPA's "Review of New Sources of Air Toxic Emissions" policy ("Air Toxic Policy") was applied for each pollutant emitted by this emissions unit using data from the permit to install application and the SCREEN 3.0 model (or other Ohio EPA approved model). The predicted 1-hour maximum ground-level concentration from the use of the SCREEN 3.0 model was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC). The following summarizes the results of the modeling for the "worst case" pollutant(s):

Pollutant: petroleum distillates (stoddard solvent)

TLV (mg/m3): 342,300 mg/m3

Maximum Hourly Emission Rate (lbs/hr): 8.11*

Predicted 1-Hour Maximum Ground-Level
Concentration (ug/m3): 897.4

MAGLC (ug/m3): 13,633.3

*The hourly emission rate is a combined limit from all of the oil mist collectors that were installed at the Ford Motor Company in 1994 (P079, P085, P086, P087, P088, P089, P090, P091, P092, and P093). This limit reflects the largest annual increase of VOC from the oil mist collectors contained in this PTI.

2. Physical changes to or changes in the method of operation of the emissions unit after its installation or modification could affect the parameters used to determine whether or not the "Air Toxic Policy" is satisfied. Consequently, prior to making a change that could impact such parameters, the permittee shall conduct an evaluation to determine that the "Air Toxic Policy" will still be satisfied. If, upon evaluation, the permittee determines that the "Air Toxic Policy" will not be satisfied, the permittee will not make the change. Changes that can affect the parameters used in applying the "Air Toxic Policy" include the following:

   a. changes in the composition of the materials used (coatings or cleanup materials), or the use of new materials, that would result in the emission of a compound with a lower Threshold Limit Value (TLV), as indicated in the most recent version of the handbook entitled "American Conference of Governmental Industrial Hygienists (ACGIH)," than the lowest TLV value previously modeled;

   b. changes in the composition of the materials, or use of new materials, that would result in an increase in emissions of any pollutant with a listed TLV that was proposed in the application and modeled; and

   c. physical changes to the emissions unit or its exhaust parameters (e.g., increased/ decreased exhaust flow, changes in stack height, changes in stack diameter, etc.).

   If the permittee determines that the "Air Toxic Policy" will be satisfied for the above changes, the Ohio EPA will not consider the change(s) to be a "modification" under OAC rule 3745-31-01(VV)(1)(a)(ii), and a modification of the existing permit to install will not be required. If the change(s) is (are) defined as a modification under other provisions of the modification definition (other than (VV)(1)(a)(ii)), then the permittee shall obtain a final permit to install prior to the change.

3. The permittee shall collect, record, and retain the following information when it conducts evaluations to determine that the changed emissions unit will still satisfy the "Air Toxic Policy:"

   a. a description of the parameters changed (composition of materials, new pollutants emitted, change in stack/exhaust parameters, etc.);

b. documentation of its evaluation and determination that the changed emissions unit still satisfies the "Air Toxic Policy"; and

c. where computer modeling is performed, a copy of the resulting computer model runs that show the results of the application of the "Air Toxic Policy" for the change.

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P092 - Engine machining operation with oil mist collection system (MC-22).	OAC rule 3745-31-05(A)(3)	0.12 lb particulate emissions (PE)/hr 0.53 ton PE/yr 0.75 lb organic compounds (OC)/hr 3.29 tons OC/yr 10% opacity, as a six-minute average see A.I.2.a.
	OAC rule 3745-17-07(A)	see A.I.2.b.
	OAC rule 3745-17-11(B)(1)	see A.I.2.b.
	OAC rule 3745-21-07(G)(2)	see A.II.1.

2. Additional Terms and Conditions

2.a Best Available Technology (BAT) for this emissions unit has been determined to be a maximum outlet grain loading of 0.0007 gr PE/dscf and 0.0044 gr VOC/wscf.

2.b The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

II. Operational Restrictions

1. The use of photochemically reactive materials, as defined in OAC rule 3745-21-01(C)(5), in this emissions unit is prohibited.

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain monthly records of the following information for this emissions unit:

   a. the company identification for each metal working fluid employed in this emissions unit; and,

   b. documentation on whether or not each metal working fluid employed is a photochemically reactive material.

2. The permittee shall perform daily checks, Monday through Friday, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

   a. the color of the emissions;
   b. whether the emissions are representative of normal operations;
   c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
   d. the total duration of any visible emission incident; and
   e. any corrective actions taken to eliminate the abnormal visible emissions.

3. Notwithstanding the frequency of the monitoring and record keeping requirements specified in section A.III.2., the permittee may reduce the visual observations from daily readings to weekly readings if the following conditions are met:

   a. for 1 full quarter the facility's daily visual observations indicate no abnormal visible emissions; and

   b. the permittee continues to comply with all the record keeping and monitoring requirements specified in section A.III.1., on a weekly basis.

   The permittee shall revert to daily readings if any abnormal visible emissions are observed. The daily readings shall continue for one full quarter. If abnormal visible emissions are observed during this time, the permittee shall continue daily readings until such time that no abnormal visible emissions have been observed for a period of three consecutive months.

4. The permit to install for this emissions unit was evaluated based on information contained in the permit to install application. Prior to any physical change or change in the method of operation

involving the engine machining operation and/or oil collection system associated with this emissions unit, the permittee shall conduct an evaluation to determine if the change would constitute a "modification" as defined in OAC rule 3745-31-01 (VV). If any physical change in, or change(s) in the method of operation is (are) defined as a modification, then the permittee shall obtain a final permit to install modification prior to performing such change. The permittee shall collect, record and retain all evaluation information and the final determination when modification evaluations are performed.

IV. Reporting Requirements

1. The permittee shall notify the Director (the appropriate Ohio EPA District Office) in writing of any daily record showing the use of any photochemically reactive material in this emissions unit. The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office) within 45 days after the event occurs.

2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from this emissions unit, and (b) describe any corrective actions taken to eliminate the abnormal visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

V. Testing Requirements

1. Compliance with the emission limitation(s) in section A.I. of the terms and conditions of this permit shall be determined in accordance with the following method(s):

   a. <u>Emission Limitations:</u>
   0.12 lb PE/hr & 0.53 ton PE/yr

   <u>Applicable Compliance Method:</u>
   The permittee may demonstrate compliance with this emission limitation by multiplying the outlet grain loading emission factor of 0.0007 gr/dscf by the maximum volumetric air flow rate of 20000 acfm and converting to pounds/hour by multiplying by 60 min/hr and dividing by 7000 gr/lb. If required, the permittee shall demonstrate compliance by testing in accordance with Method 5, 40 CFR 60, Appendix A.

   The annual PE limitation was developed by multiplying the hourly PE limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

b. Emission Limitations:
0.75 lb OC/hr & 3.29 tons OC/yr

Applicable Compliance Method:
The permittee may demonstrate compliance with this emissions limitation by multiplying the outlet grain loading emission factor of 0.0044 gr/wscf by the maximum volumetric air flow rate of 20000 wscf and converting to pounds/hour by multiplying by 60 min/hr and dividing by 7000 gr/lb. Compliance shall be demonstrated by the monitoring and recordkeeping specified in A.III.2

The annual OC limitation was developed by multiplying the hourly OC limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

c. Emission Limitation:
Visible particulate emissions shall not exceed 10% opacity, as a six-minute average.

Applicable Compliance Method:
If required, compliance with the visible emission limitation specified above shall be determined in accordance with Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60.

VI. Miscellaneous Requirements

None

B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P092 - Engine machining operation with oil mist collection system (MC-22).	None	See B.III.

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

1. The permit to install for this emissions unit was evaluated based on the actual materials (metal working fluids) and the design parameters of the emissions unit's exhaust system, as specified by the permittee in the permit to install application. The Ohio EPA's "Review of New Sources of Air Toxic Emissions" policy ("Air Toxic Policy") was applied for each pollutant emitted by this emissions unit using data from the permit to install application and the SCREEN 3.0 model (or other Ohio EPA approved model). The predicted 1-hour maximum ground-level concentration from the use of the SCREEN 3.0 model was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC). The following summarizes the results of the modeling for the "worst case" pollutant(s):

Pollutant: petroleum distillates (stoddard solvent)

TLV (mg/m3): 342,300 mg/m3

Maximum Hourly Emission Rate (lbs/hr): 8.11*

Predicted 1-Hour Maximum Ground-Level
Concentration (ug/m3): 897.4

MAGLC (ug/m3): 13,633.3

*The hourly emission rate is a combined limit from all of the oil mist collectors that were installed at the Ford Motor Company in 1994 (P079, P085, P086, P087, P088, P089, P090, P091, P092, and P093). This limit reflects the largest annual increase of VOC from the oil mist collectors contained in this PTI.

2. Physical changes to or changes in the method of operation of the emissions unit after its installation or modification could affect the parameters used to determine whether or not the "Air Toxic Policy" is satisfied. Consequently, prior to making a change that could impact such parameters, the permittee shall conduct an evaluation to determine that the "Air Toxic Policy" will still be satisfied. If, upon evaluation, the permittee determines that the "Air Toxic Policy" will not be satisfied, the permittee will not make the change. Changes that can affect the parameters used in applying the "Air Toxic Policy" include the following:

   a. changes in the composition of the materials used (coatings or cleanup materials), or the use of new materials, that would result in the emission of a compound with a lower Threshold Limit Value (TLV), as indicated in the most recent version of the handbook entitled "American Conference of Governmental Industrial Hygienists (ACGIH)," than the lowest TLV value previously modeled;

   b. changes in the composition of the materials, or use of new materials, that would result in an increase in emissions of any pollutant with a listed TLV that was proposed in the application and modeled; and

   c. physical changes to the emissions unit or its exhaust parameters (e.g., increased/ decreased exhaust flow, changes in stack height, changes in stack diameter, etc.).

   If the permittee determines that the "Air Toxic Policy" will be satisfied for the above changes, the Ohio EPA will not consider the change(s) to be a "modification" under OAC rule 3745-31-01(VV)(1)(a)(ii), and a modification of the existing permit to install will not be required. If the change(s) is (are) defined as a modification under other provisions of the modification definition (other than (VV)(1)(a)(ii)), then the permittee shall obtain a final permit to install prior to the change.

3. The permittee shall collect, record, and retain the following information when it conducts evaluations to determine that the changed emissions unit will still satisfy the "Air Toxic Policy:"

   a. a description of the parameters changed (composition of materials, new pollutants emitted, change in stack/exhaust parameters, etc.);

b. documentation of its evaluation and determination that the changed emissions unit still satisfies the "Air Toxic Policy"; and

c. where computer modeling is performed, a copy of the resulting computer model runs that show the results of the application of the "Air Toxic Policy" for the change.

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P093 - Engine machining operation with oil mist collection system (MC-24).	OAC rule 3745-31-05(A)(3)	0.07 lb particulate emissions (PE)/hr 0.31 ton PE/yr 1.03 lbs organic compounds (OC)/hr 4.51 tons OC/yr 10% opacity, as a six-minute average see A.I.2.a.
	OAC rule 3745-17-07(A)	see A.I.2.b.
	OAC rule 3745-17-11(B)(1)	see A.I.2.b.
	OAC rule 3745-21-07(G)(2)	see A.II.1.

2. Additional Terms and Conditions

2.a Best Available Technology (BAT) for this emissions unit has been determined to be a maximum outlet grain loading of 0.0007 gr PE/dscf and 0.01 gr VOC/wscf.

2.b The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

II. Operational Restrictions

1. The use of photochemically reactive materials, as defined in OAC rule 3745-21-01(C)(5), in this emissions unit is prohibited.

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain monthly records of the following information for this emissions unit:

   a. the company identification for each metal working fluid employed in this emissions unit; and,

   b. documentation on whether or not each metal working fluid employed is a photochemically reactive material.

2. The permittee shall perform daily checks, Monday through Friday, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

   a. the color of the emissions;
   b. whether the emissions are representative of normal operations;
   c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
   d. the total duration of any visible emission incident; and
   e. any corrective actions taken to eliminate the abnormal visible emissions.

3. Notwithstanding the frequency of the monitoring and record keeping requirements specified in section A.III.2., the permittee may reduce the visual observations from daily readings to weekly readings if the following conditions are met:

   a. for 1 full quarter the facility's daily visual observations indicate no abnormal visible emissions; and

   b. the permittee continues to comply with all the record keeping and monitoring requirements specified in section A.III.1., on a weekly basis.

   The permittee shall revert to daily readings if any abnormal visible emissions are observed. The daily readings shall continue for one full quarter. If abnormal visible emissions are observed during this time, the permittee shall continue daily readings until such time that no abnormal visible emissions have been observed for a period of three consecutive months.

4. The permit to install for this emissions unit was evaluated based on information contained in the permit to install application. Prior to any physical change or change in the method of operation

involving the engine machining operation and/or oil collection system associated with this emissions unit, the permittee shall conduct an evaluation to determine if the change would constitute a "modification" as defined in OAC rule 3745-31-01 (VV). If any physical change in, or change(s) in the method of operation is (are) defined as a modification, then the permittee shall obtain a final permit to install modification prior to performing such change. The permittee shall collect, record and retain all evaluation information and the final determination when modification evaluations are performed.

IV. Reporting Requirements

1. The permittee shall notify the Director (the appropriate Ohio EPA District Office) in writing of any daily record showing the use of any photochemically reactive material in this emissions unit. The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office) within 45 days after the event occurs.

2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from this emissions unit, and (b) describe any corrective actions taken to eliminate the abnormal visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

V. Testing Requirements

1. Compliance with the emission limitation(s) in section A.I. of the terms and conditions of this permit shall be determined in accordance with the following method(s):

   a. <u>Emission Limitations:</u>
   0.07 lb PE/hr & 0.31 ton PE/yr

   <u>Applicable Compliance Method:</u>
   The permittee may demonstrate compliance with this emission limitation by multiplying the outlet grain loading emission factor of 0.0007 gr/dscf by the maximum volumetric air flow rate of 12000 acfm and converting to pounds/hour by multiplying by 60 min/hr and dividing by 7000 gr/lb. If required, the permittee shall demonstrate compliance by testing in accordance with Method 5, 40 CFR 60, Appendix A.

   The annual PE limitation was developed by multiplying the hourly PE limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

   b. <u>Emission Limitations:</u>
   1.03 lbs OC/hr & 4.51 tons OC/yr

Applicable Compliance Method:
The permittee may demonstrate compliance with this emissions limitation by multiplying the outlet grain loading emission factor of 0.01 gr/wscf by the maximum volumetric air flow rate of 12000 wscf and converting to pounds/hour by multiplying by 60 min/hr and dividing by 7000 gr/lb. Compliance shall be demonstrated by the monitoring and recordkeeping specified in A.III.2

The annual OC limitation was developed by multiplying the hourly OC limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

c. Emission Limitation:
Visible particulate emissions shall not exceed 10% opacity, as a six-minute average.

Applicable Compliance Method:
If required, compliance with the visible emission limitation specified above shall be determined in accordance with Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60.

VI. Miscellaneous Requirements

None

B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P093 - Engine machining operation with oil mist collection system (MC-24).	None	See B.III.

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

1. The permit to install for this emissions unit was evaluated based on the actual materials (metal working fluids) and the design parameters of the emissions unit's exhaust system, as specified by the permittee in the permit to install application. The Ohio EPA's "Review of New Sources of Air Toxic Emissions" policy ("Air Toxic Policy") was applied for each pollutant emitted by this emissions unit using data from the permit to install application and the SCREEN 3.0 model (or other Ohio EPA approved model). The predicted 1-hour maximum ground-level concentration from the use of the SCREEN 3.0 model was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC). The following summarizes the results of the modeling for the "worst case" pollutant(s):

   Pollutant: petroleum distillates (stoddard solvent)

   TLV (mg/m3): 342,300 mg/m3

   Maximum Hourly Emission Rate (lbs/hr): 8.11*

   Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 897.4

MAGLC (ug/m3): 13,633.3

*The hourly emission rate is a combined limit from all of the oil mist collectors that were installed at the Ford Motor Company in 1994 (P079, P085, P086, P087, P088, P089, P090, P091, P092, and P093). This limit reflects the largest annual increase of VOC from the oil mist collectors contained in this PTI.

2. Physical changes to or changes in the method of operation of the emissions unit after its installation or modification could affect the parameters used to determine whether or not the "Air Toxic Policy" is satisfied. Consequently, prior to making a change that could impact such parameters, the permittee shall conduct an evaluation to determine that the "Air Toxic Policy" will still be satisfied. If, upon evaluation, the permittee determines that the "Air Toxic Policy" will not be satisfied, the permittee will not make the change. Changes that can affect the parameters used in applying the "Air Toxic Policy" include the following:

   a. changes in the composition of the materials used (coatings or cleanup materials), or the use of new materials, that would result in the emission of a compound with a lower Threshold Limit Value (TLV), as indicated in the most recent version of the handbook entitled "American Conference of Governmental Industrial Hygienists (ACGIH)," than the lowest TLV value previously modeled;

   b. changes in the composition of the materials, or use of new materials, that would result in an increase in emissions of any pollutant with a listed TLV that was proposed in the application and modeled; and

   c. physical changes to the emissions unit or its exhaust parameters (e.g., increased/ decreased exhaust flow, changes in stack height, changes in stack diameter, etc.).

   If the permittee determines that the "Air Toxic Policy" will be satisfied for the above changes, the Ohio EPA will not consider the change(s) to be a "modification" under OAC rule 3745-31-01(VV)(1)(a)(ii), and a modification of the existing permit to install will not be required. If the change(s) is (are) defined as a modification under other provisions of the modification definition (other than (VV)(1)(a)(ii)), then the permittee shall obtain a final permit to install prior to the change.

3. The permittee shall collect, record, and retain the following information when it conducts evaluations to determine that the changed emissions unit will still satisfy the "Air Toxic Policy:"

   a. a description of the parameters changed (composition of materials, new pollutants emitted, change in stack/exhaust parameters, etc.);

b. documentation of its evaluation and determination that the changed emissions unit still satisfies the "Air Toxic Policy"; and

c. where computer modeling is performed, a copy of the resulting computer model runs that show the results of the application of the "Air Toxic Policy" for the change.

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P094 - Engine machining operation with oil mist collection system (MC-25).	OAC rule 3745-31-05(A)(3)	0.03 lb particulate emissions (PE)/hr 0.13 ton PE/yr 0.17 lb organic compounds (OC)/hr 0.74 ton OC/yr 10% opacity, as a six-minute average see A.I.2.a.
	OAC rule 3745-17-07(A)	see A.I.2.b.
	OAC rule 3745-17-11(B)(1)	see A.I.2.b.
	OAC rule 3745-21-07(G)(2)	see A.II.1.

2. Additional Terms and Conditions

2.a Best Available Technology (BAT) for this emissions unit has been determined to be a maximum outlet grain loading of 0.0007 gr PE/dscf and 0.0044 gr VOC/wscf.

2.b The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

II. Operational Restrictions

1. The use of photochemically reactive materials, as defined in OAC rule 3745-21-01(C)(5), in this emissions unit is prohibited.

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain monthly records of the following information for this emissions unit:

   a. the company identification for each metal working fluid employed in this emissions unit; and,

   b. documentation on whether or not each metal working fluid employed is a photochemically reactive material.

2. The permittee shall perform daily checks, Monday through Friday, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

   a. the color of the emissions;
   b. whether the emissions are representative of normal operations;
   c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
   d. the total duration of any visible emission incident; and
   e. any corrective actions taken to eliminate the abnormal visible emissions.

3. Notwithstanding the frequency of the monitoring and record keeping requirements specified in section A.III.2., the permittee may reduce the visual observations from daily readings to weekly readings if the following conditions are met:

   a. for 1 full quarter the facility's daily visual observations indicate no abnormal visible emissions; and

   b. the permittee continues to comply with all the record keeping and monitoring requirements specified in section A.III.1., on a weekly basis.

   The permittee shall revert to daily readings if any abnormal visible emissions are observed. The daily readings shall continue for one full quarter. If abnormal visible emissions are observed during this time, the permittee shall continue daily readings until such time that no abnormal visible emissions have been observed for a period of three consecutive months.

4. The permit to install for this emissions unit was evaluated based on information contained in the permit to install application. Prior to any physical change or change in the method of operation

involving the engine machining operation and/or oil collection system associated with this emissions unit, the permittee shall conduct an evaluation to determine if the change would constitute a "modification" as defined in OAC rule 3745-31-01 (VV). If any physical change in, or change(s) in the method of operation is (are) defined as a modification, then the permittee shall obtain a final permit to install modification prior to performing such change. The permittee shall collect, record and retain all evaluation information and the final determination when modification evaluations are performed.

IV. Reporting Requirements

1. The permittee shall notify the Director (the appropriate Ohio EPA District Office) in writing of any daily record showing the use of any photochemically reactive material in this emissions unit. The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office) within 45 days after the event occurs.

2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from this emissions unit, and (b) describe any corrective actions taken to eliminate the abnormal visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

V. Testing Requirements

1. Compliance with the emission limitation(s) in section A.I. of the terms and conditions of this permit shall be determined in accordance with the following method(s):

   a. <u>Emission Limitations:</u>
   0.03 lb PE/hr & 0.13 ton PE/yr

   <u>Applicable Compliance Method:</u>
   The permittee may demonstrate compliance with this emission limitation by multiplying the outlet grain loading emission factor of 0.0007 gr/dscf by the maximum volumetric air flow rate of 4500 acfm and converting to pounds/hour by multiplying by 60 min/hr and dividing by 7000 gr/lb. If required, the permittee shall demonstrate compliance by testing in accordance with Method 5, 40 CFR 60, Appendix A.

   The annual PE limitation was developed by multiplying the hourly PE limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

   b. <u>Emission Limitations:</u>
   0.17 lb OC/hr & 0.74 ton OC/yr

Applicable Compliance Method:
The permittee may demonstrate compliance with this emissions limitation by multiplying the outlet grain loading emission factor of 0.0044 gr/wscf by the maximum volumetric air flow rate of 4500 wscf and converting to pounds/hour by multiplying by 60 min/hr and dividing by 7000 gr/lb. Compliance shall be demonstrated by the monitoring and recordkeeping specified in A.III.2

The annual OC limitation was developed by multiplying the hourly OC limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

c. Emission Limitation:
Visible particulate emissions shall not exceed 10% opacity, as a six-minute average.

Applicable Compliance Method:
If required, compliance with the visible emission limitation specified above shall be determined in accordance with Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60.

VI. Miscellaneous Requirements

None

B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P094 - Engine machining operation with oil mist collection system (MC-25).	None	See B.III.

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

1. The permit to install for this emissions unit was evaluated based on the actual materials (metal working fluids) and the design parameters of the emissions unit's exhaust system, as specified by the permittee in the permit to install application. The Ohio EPA's "Review of New Sources of Air Toxic Emissions" policy ("Air Toxic Policy") was applied for each pollutant emitted by this emissions unit using data from the permit to install application and the SCREEN 3.0 model (or other Ohio EPA approved model). The predicted 1-hour maximum ground-level concentration from the use of the SCREEN 3.0 model was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC). The following summarizes the results of the modeling for the "worst case" pollutant(s):

   Pollutant: petroleum distillates (stoddard solvent)

   TLV (mg/m3): 342,300 mg/m3

   Maximum Hourly Emission Rate (lbs/hr): 8.11*

   Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 897.4

MAGLC (ug/m3): 13,633.3

*The hourly emission rate is a combined limit from all of the oil mist collectors that were installed at the Ford Motor Company in 1994 (P079, P085, P086, P087, P088, P089, P090, P091, P092, and P093). This limit reflects the largest annual increase of VOC from the oil mist collectors contained in this PTI.

2. Physical changes to or changes in the method of operation of the emissions unit after its installation or modification could affect the parameters used to determine whether or not the "Air Toxic Policy" is satisfied. Consequently, prior to making a change that could impact such parameters, the permittee shall conduct an evaluation to determine that the "Air Toxic Policy" will still be satisfied. If, upon evaluation, the permittee determines that the "Air Toxic Policy" will not be satisfied, the permittee will not make the change. Changes that can affect the parameters used in applying the "Air Toxic Policy" include the following:

   a. changes in the composition of the materials used (coatings or cleanup materials), or the use of new materials, that would result in the emission of a compound with a lower Threshold Limit Value (TLV), as indicated in the most recent version of the handbook entitled "American Conference of Governmental Industrial Hygienists (ACGIH)," than the lowest TLV value previously modeled;

   b. changes in the composition of the materials, or use of new materials, that would result in an increase in emissions of any pollutant with a listed TLV that was proposed in the application and modeled; and

   c. physical changes to the emissions unit or its exhaust parameters (e.g., increased/ decreased exhaust flow, changes in stack height, changes in stack diameter, etc.).

   If the permittee determines that the "Air Toxic Policy" will be satisfied for the above changes, the Ohio EPA will not consider the change(s) to be a "modification" under OAC rule 3745-31-01(VV)(1)(a)(ii), and a modification of the existing permit to install will not be required. If the change(s) is (are) defined as a modification under other provisions of the modification definition (other than (VV)(1)(a)(ii)), then the permittee shall obtain a final permit to install prior to the change.

3. The permittee shall collect, record, and retain the following information when it conducts evaluations to determine that the changed emissions unit will still satisfy the "Air Toxic Policy:"

   a. a description of the parameters changed (composition of materials, new pollutants emitted, change in stack/exhaust parameters, etc.);

b. documentation of its evaluation and determination that the changed emissions unit still satisfies the "Air Toxic Policy"; and

c. where computer modeling is performed, a copy of the resulting computer model runs that show the results of the application of the "Air Toxic Policy" for the change.

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P095 - Engine machining operation with oil mist collection system (MC-26).	OAC rule 3745-31-05(A)(3)	0.11 lb particulate emissions (PE)/hr 0.48 ton PE/yr 0.68 lb organic compounds (OC)/hr 2.98 tons OC/yr 10% opacity, as a six-minute average see A.I.2.a.
	OAC rule 3745-17-07(A)	see A.I.2.b.
	OAC rule 3745-17-11(B)(1)	see A.I.2.b.
	OAC rule 3745-21-07(G)(2)	see A.II.1.

2. Additional Terms and Conditions

2.a Best Available Technology (BAT) for this emissions unit has been determined to be a maximum outlet grain loading of 0.0007 gr PE/dscf and 0.0044 gr VOC/wscf.

2.b The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

II. Operational Restrictions

1. The use of photochemically reactive materials, as defined in OAC rule 3745-21-01(C)(5), in this emissions unit is prohibited.

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain monthly records of the following information for this emissions unit:

   a. the company identification for each metal working fluid employed in this emissions unit; and,

   b. documentation on whether or not each metal working fluid employed is a photochemically reactive material.

2. The permittee shall perform daily checks, Monday through Friday, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

   a. the color of the emissions;
   b. whether the emissions are representative of normal operations;
   c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
   d. the total duration of any visible emission incident; and
   e. any corrective actions taken to eliminate the abnormal visible emissions.

3. Notwithstanding the frequency of the monitoring and record keeping requirements specified in section A.III.2., the permittee may reduce the visual observations from daily readings to weekly readings if the following conditions are met:

   a. for 1 full quarter the facility's daily visual observations indicate no abnormal visible emissions; and

   b. the permittee continues to comply with all the record keeping and monitoring requirements specified in section A.III.1., on a weekly basis.

   The permittee shall revert to daily readings if any abnormal visible emissions are observed. The daily readings shall continue for one full quarter. If abnormal visible emissions are observed during this time, the permittee shall continue daily readings until such time that no abnormal visible emissions have been observed for a period of three consecutive months.

4. The permit to install for this emissions unit was evaluated based on information contained in the permit to install application. Prior to any physical change or change in the method of operation

involving the engine machining operation and/or oil collection system associated with this emissions unit, the permittee shall conduct an evaluation to determine if the change would constitute a "modification" as defined in OAC rule 3745-31-01 (VV). If any physical change in, or change(s) in the method of operation is (are) defined as a modification, then the permittee shall obtain a final permit to install modification prior to performing such change. The permittee shall collect, record and retain all evaluation information and the final determination when modification evaluations are performed.

IV. Reporting Requirements

1. The permittee shall notify the Director (the appropriate Ohio EPA District Office) in writing of any daily record showing the use of any photochemically reactive material in this emissions unit. The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office) within 45 days after the event occurs.

2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from this emissions unit, and (b) describe any corrective actions taken to eliminate the abnormal visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

V. Testing Requirements

1. Compliance with the emission limitation(s) in section A.I. of the terms and conditions of this permit shall be determined in accordance with the following method(s):

   a. <u>Emission Limitations:</u>
   0.11 lb PE/hr & 0.48 ton PE/yr

   <u>Applicable Compliance Method:</u>
   The permittee may demonstrate compliance with this emission limitation by multiplying the outlet grain loading emission factor of 0.0007 gr/dscf by the maximum volumetric air flow rate of 18000 acfm and converting to pounds/hour by multiplying by 60 min/hr and dividing by 7000 gr/lb. If required, the permittee shall demonstrate compliance by testing in accordance with Method 5, 40 CFR 60, Appendix A.

   The annual PE limitation was developed by multiplying the hourly PE limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

   b. <u>Emission Limitations:</u>
   0.68 lb OC/hr & 2.98 tons OC/yr

Applicable Compliance Method:
The permittee may demonstrate compliance with this emissions limitation by multiplying the outlet grain loading emission factor of 0.0044 gr/wscf by the maximum volumetric air flow rate of 18000 wscf and converting to pounds/hour by multiplying by 60 min/hr and dividing by 7000 gr/lb. Compliance shall be demonstrated by the monitoring and recordkeeping specified in A.III.2

The annual OC limitation was developed by multiplying the hourly OC limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

c. Emission Limitation:
Visible particulate emissions shall not exceed 10% opacity, as a six-minute average.

Applicable Compliance Method:
If required, compliance with the visible emission limitation specified above shall be determined in accordance with Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60.

VI. Miscellaneous Requirements

None

B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P095 - Engine machining operation with oil mist collection system (MC-26).	None	See B.III.

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

1. The permit to install for this emissions unit was evaluated based on the actual materials (metal working fluids) and the design parameters of the emissions unit's exhaust system, as specified by the permittee in the permit to install application. The Ohio EPA's "Review of New Sources of Air Toxic Emissions" policy ("Air Toxic Policy") was applied for each pollutant emitted by this emissions unit using data from the permit to install application and the SCREEN 3.0 model (or other Ohio EPA approved model). The predicted 1-hour maximum ground-level concentration from the use of the SCREEN 3.0 model was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC). The following summarizes the results of the modeling for the "worst case" pollutant(s):

Pollutant: petroleum distillates (stoddard solvent)

TLV (mg/m3): 342,300 mg/m3

Maximum Hourly Emission Rate (lbs/hr): 8.11*

Predicted 1-Hour Maximum Ground-Level
Concentration (ug/m3): 897.4

MAGLC (ug/m3): 13,633.3

*The hourly emission rate is a combined limit from all of the oil mist collectors that were installed at the Ford Motor Company in 1994 (P079, P085, P086, P087, P088, P089, P090, P091, P092, and P093). This limit reflects the largest annual increase of VOC from the oil mist collectors contained in this PTI.

2. Physical changes to or changes in the method of operation of the emissions unit after its installation or modification could affect the parameters used to determine whether or not the "Air Toxic Policy" is satisfied. Consequently, prior to making a change that could impact such parameters, the permittee shall conduct an evaluation to determine that the "Air Toxic Policy" will still be satisfied. If, upon evaluation, the permittee determines that the "Air Toxic Policy" will not be satisfied, the permittee will not make the change. Changes that can affect the parameters used in applying the "Air Toxic Policy" include the following:

   a. changes in the composition of the materials used (coatings or cleanup materials), or the use of new materials, that would result in the emission of a compound with a lower Threshold Limit Value (TLV), as indicated in the most recent version of the handbook entitled "American Conference of Governmental Industrial Hygienists (ACGIH)," than the lowest TLV value previously modeled;

   b. changes in the composition of the materials, or use of new materials, that would result in an increase in emissions of any pollutant with a listed TLV that was proposed in the application and modeled; and

   c. physical changes to the emissions unit or its exhaust parameters (e.g., increased/ decreased exhaust flow, changes in stack height, changes in stack diameter, etc.).

   If the permittee determines that the "Air Toxic Policy" will be satisfied for the above changes, the Ohio EPA will not consider the change(s) to be a "modification" under OAC rule 3745-31-01(VV)(1)(a)(ii), and a modification of the existing permit to install will not be required. If the change(s) is (are) defined as a modification under other provisions of the modification definition (other than (VV)(1)(a)(ii)), then the permittee shall obtain a final permit to install prior to the change.

3. The permittee shall collect, record, and retain the following information when it conducts evaluations to determine that the changed emissions unit will still satisfy the "Air Toxic Policy:"

   a. a description of the parameters changed (composition of materials, new pollutants emitted, change in stack/exhaust parameters, etc.);

b. documentation of its evaluation and determination that the changed emissions unit still satisfies the "Air Toxic Policy"; and

c. where computer modeling is performed, a copy of the resulting computer model runs that show the results of the application of the "Air Toxic Policy" for the change.

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P096 - Engine machining operation with oil mist collection system (MC-28).	OAC rule 3745-31-05(A)(3)	0.11 lb particulate emissions (PE)/hr 0.48 ton PE/yr 0.68 lb organic compounds (OC)/hr 2.98 tons OC/yr 10% opacity, as a six-minute average see A.I.2.a.
	OAC rule 3745-17-07(A)	see A.I.2.b.
	OAC rule 3745-17-11(B)(1)	see A.I.2.b.
	OAC rule 3745-21-07(G)(2)	see A.II.1.

2. Additional Terms and Conditions

2.a Best Available Technology (BAT) for this emissions unit has been determined to be a maximum outlet grain loading of 0.0007 gr PE/dscf and 0.0044 gr VOC/wscf.

2.b The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

II. Operational Restrictions

1. The use of photochemically reactive materials, as defined in OAC rule 3745-21-01(C)(5), in this emissions unit is prohibited.

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain monthly records of the following information for this emissions unit:

   a. the company identification for each metal working fluid employed in this emissions unit; and,

   b. documentation on whether or not each metal working fluid employed is a photochemically reactive material.

2. The permittee shall perform daily checks, Monday through Friday, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

   a. the color of the emissions;
   b. whether the emissions are representative of normal operations;
   c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
   d. the total duration of any visible emission incident; and
   e. any corrective actions taken to eliminate the abnormal visible emissions.

3. Notwithstanding the frequency of the monitoring and record keeping requirements specified in section A.III.2., the permittee may reduce the visual observations from daily readings to weekly readings if the following conditions are met:

   a. for 1 full quarter the facility's daily visual observations indicate no abnormal visible emissions; and

   b. the permittee continues to comply with all the record keeping and monitoring requirements specified in section A.III.1., on a weekly basis.

   The permittee shall revert to daily readings if any abnormal visible emissions are observed. The daily readings shall continue for one full quarter. If abnormal visible emissions are observed during this time, the permittee shall continue daily readings until such time that no abnormal visible emissions have been observed for a period of three consecutive months.

4. The permit to install for this emissions unit was evaluated based on information contained in the permit to install application. Prior to any physical change or change in the method of operation

involving the engine machining operation and/or oil collection system associated with this emissions unit, the permittee shall conduct an evaluation to determine if the change would constitute a "modification" as defined in OAC rule 3745-31-01 (VV). If any physical change in, or change(s) in the method of operation is (are) defined as a modification, then the permittee shall obtain a final permit to install modification prior to performing such change. The permittee shall collect, record and retain all evaluation information and the final determination when modification evaluations are performed.

IV. Reporting Requirements

1. The permittee shall notify the Director (the appropriate Ohio EPA District Office) in writing of any daily record showing the use of any photochemically reactive material in this emissions unit. The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office) within 45 days after the event occurs.

2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from this emissions unit, and (b) describe any corrective actions taken to eliminate the abnormal visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

V. Testing Requirements

1. Compliance with the emission limitation(s) in section A.I. of the terms and conditions of this permit shall be determined in accordance with the following method(s):

   a. <u>Emission Limitations:</u>
   0.11 lb PE/hr & 0.48 ton PE/yr

   <u>Applicable Compliance Method:</u>
   The permittee may demonstrate compliance with this emission limitation by multiplying the outlet grain loading emission factor of 0.0007 gr/dscf by the maximum volumetric air flow rate of 18000 acfm and converting to pounds/hour by multiplying by 60 min/hr and dividing by 7000 gr/lb. If required, the permittee shall demonstrate compliance by testing in accordance with Method 5, 40 CFR 60, Appendix A.

   The annual PE limitation was developed by multiplying the hourly PE limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

b. Emission Limitations:
0.68 lb OC/hr & 2.98 tons OC/yr

Applicable Compliance Method:
The permittee may demonstrate compliance with this emissions limitation by multiplying the outlet grain loading emission factor of 0.0044 gr/wscf by the maximum volumetric air flow rate of 18000 wscf and converting to pounds/hour by multiplying by 60 min/hr and dividing by 7000 gr/lb. Compliance shall be demonstrated by the monitoring and recordkeeping specified in A.III.2

The annual OC limitation was developed by multiplying the hourly OC limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

c. Emission Limitation:
Visible particulate emissions shall not exceed 10% opacity, as a six-minute average.

Applicable Compliance Method:
If required, compliance with the visible emission limitation specified above shall be determined in accordance with Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60.

VI. Miscellaneous Requirements

None

B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P096 - Engine machining operation with oil mist collection system (MC-28).	None	See B.III.

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

1. The permit to install for this emissions unit was evaluated based on the actual materials (metal working fluids) and the design parameters of the emissions unit's exhaust system, as specified by the permittee in the permit to install application. The Ohio EPA's "Review of New Sources of Air Toxic Emissions" policy ("Air Toxic Policy") was applied for each pollutant emitted by this emissions unit using data from the permit to install application and the SCREEN 3.0 model (or other Ohio EPA approved model). The predicted 1-hour maximum ground-level concentration from the use of the SCREEN 3.0 model was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC). The following summarizes the results of the modeling for the "worst case" pollutant(s):

Pollutant: petroleum distillates (stoddard solvent)

TLV (mg/m3): 342,300 mg/m3

Maximum Hourly Emission Rate (lbs/hr): 8.11*

Predicted 1-Hour Maximum Ground-Level
Concentration (ug/m3): 897.4

MAGLC (ug/m3): 13,633.3

*The hourly emission rate is a combined limit from all of the oil mist collectors that were installed at the Ford Motor Company in 1994 (P079, P085, P086, P087, P088, P089, P090, P091, P092, and P093). This limit reflects the largest annual increase of VOC from the oil mist collectors contained in this PTI.

2. Physical changes to or changes in the method of operation of the emissions unit after its installation or modification could affect the parameters used to determine whether or not the "Air Toxic Policy" is satisfied. Consequently, prior to making a change that could impact such parameters, the permittee shall conduct an evaluation to determine that the "Air Toxic Policy" will still be satisfied. If, upon evaluation, the permittee determines that the "Air Toxic Policy" will not be satisfied, the permittee will not make the change. Changes that can affect the parameters used in applying the "Air Toxic Policy" include the following:

   a. changes in the composition of the materials used (coatings or cleanup materials), or the use of new materials, that would result in the emission of a compound with a lower Threshold Limit Value (TLV), as indicated in the most recent version of the handbook entitled "American Conference of Governmental Industrial Hygienists (ACGIH)," than the lowest TLV value previously modeled;

   b. changes in the composition of the materials, or use of new materials, that would result in an increase in emissions of any pollutant with a listed TLV that was proposed in the application and modeled; and

   c. physical changes to the emissions unit or its exhaust parameters (e.g., increased/ decreased exhaust flow, changes in stack height, changes in stack diameter, etc.).

   If the permittee determines that the "Air Toxic Policy" will be satisfied for the above changes, the Ohio EPA will not consider the change(s) to be a "modification" under OAC rule 3745-31-01(VV)(1)(a)(ii), and a modification of the existing permit to install will not be required. If the change(s) is (are) defined as a modification under other provisions of the modification definition (other than (VV)(1)(a)(ii)), then the permittee shall obtain a final permit to install prior to the change.

3. The permittee shall collect, record, and retain the following information when it conducts evaluations to determine that the changed emissions unit will still satisfy the "Air Toxic Policy:"

   a. a description of the parameters changed (composition of materials, new pollutants emitted, change in stack/exhaust parameters, etc.);

b. documentation of its evaluation and determination that the changed emissions unit still satisfies the "Air Toxic Policy"; and

c. where computer modeling is performed, a copy of the resulting computer model runs that show the results of the application of the "Air Toxic Policy" for the change.

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P097 - Engine machining operation with oil mist collection system (MC-29).	OAC rule 3745-31-05(A)(3)	0.11 lb particulate emissions (PE)/hr 0.48 ton PE/yr 0.68 lb organic compounds (OC)/hr 2.98 tons OC/yr 10% opacity, as a six-minute average see A.I.2.a.
	OAC rule 3745-17-07(A)	see A.I.2.b.
	OAC rule 3745-17-11(B)(1)	see A.I.2.b.
	OAC rule 3745-21-07(G)(2)	see A.II.1.

2. Additional Terms and Conditions

2.a Best Available Technology (BAT) for this emissions unit has been determined to be a maximum outlet grain loading of 0.0007 gr PE/dscf and 0.0044 gr VOC/wscf.

2.b The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

II. Operational Restrictions

1. The use of photochemically reactive materials, as defined in OAC rule 3745-21-01(C)(5), in this emissions unit is prohibited.

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain monthly records of the following information for this emissions unit:

   a. the company identification for each metal working fluid employed in this emissions unit; and,

   b. documentation on whether or not each metal working fluid employed is a photochemically reactive material.

2. The permittee shall perform daily checks, Monday through Friday, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

   a. the color of the emissions;
   b. whether the emissions are representative of normal operations;
   c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
   d. the total duration of any visible emission incident; and
   e. any corrective actions taken to eliminate the abnormal visible emissions.

3. Notwithstanding the frequency of the monitoring and record keeping requirements specified in section A.III.2., the permittee may reduce the visual observations from daily readings to weekly readings if the following conditions are met:

   a. for 1 full quarter the facility's daily visual observations indicate no abnormal visible emissions; and

   b. the permittee continues to comply with all the record keeping and monitoring requirements specified in section A.III.1., on a weekly basis.

   The permittee shall revert to daily readings if any abnormal visible emissions are observed. The daily readings shall continue for one full quarter. If abnormal visible emissions are observed during this time, the permittee shall continue daily readings until such time that no abnormal visible emissions have been observed for a period of three consecutive months.

4. The permit to install for this emissions unit was evaluated based on information contained in the permit to install application. Prior to any physical change or change in the method of operation

involving the engine machining operation and/or oil collection system associated with this emissions unit, the permittee shall conduct an evaluation to determine if the change would constitute a "modification" as defined in OAC rule 3745-31-01 (VV). If any physical change in, or change(s) in the method of operation is (are) defined as a modification, then the permittee shall obtain a final permit to install modification prior to performing such change. The permittee shall collect, record and retain all evaluation information and the final determination when modification evaluations are performed.

IV. Reporting Requirements

1. The permittee shall notify the Director (the appropriate Ohio EPA District Office) in writing of any daily record showing the use of any photochemically reactive material in this emissions unit. The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office) within 45 days after the event occurs.

2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from this emissions unit, and (b) describe any corrective actions taken to eliminate the abnormal visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

V. Testing Requirements

1. Compliance with the emission limitation(s) in section A.I. of the terms and conditions of this permit shall be determined in accordance with the following method(s):

   a. Emission Limitations:
   0.11 lb PE/hr & 0.48 ton PE/yr

   Applicable Compliance Method:
   The permittee may demonstrate compliance with this emission limitation by multiplying the outlet grain loading emission factor of 0.0007 gr/dscf by the maximum volumetric air flow rate of 18000 acfm and converting to pounds/hour by multiplying by 60 min/hr and dividing by 7000 gr/lb. If required, the permittee shall demonstrate compliance by testing in accordance with Method 5, 40 CFR 60, Appendix A.

   The annual PE limitation was developed by multiplying the hourly PE limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

b. Emission Limitations:
0.68 lb OC/hr & 2.98 tons OC/yr

Applicable Compliance Method:
The permittee may demonstrate compliance with this emissions limitation by multiplying the outlet grain loading emission factor of 0.0044 gr/wscf by the maximum volumetric air flow rate of 18000 wscf and converting to pounds/hour by multiplying by 60 min/hr and dividing by 7000 gr/lb. Compliance shall be demonstrated by the monitoring and recordkeeping specified in A.III.2

The annual OC limitation was developed by multiplying the hourly OC limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

c. Emission Limitation:
Visible particulate emissions shall not exceed 10% opacity, as a six-minute average.

Applicable Compliance Method:
If required, compliance with the visible emission limitation specified above shall be determined in accordance with Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60.

VI. Miscellaneous Requirements

None

B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P097 - Engine machining operation with oil mist collection system (MC-29).	None	See B.III.

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

1. The permit to install for this emissions unit was evaluated based on the actual materials (metal working fluids) and the design parameters of the emissions unit's exhaust system, as specified by the permittee in the permit to install application. The Ohio EPA's "Review of New Sources of Air Toxic Emissions" policy ("Air Toxic Policy") was applied for each pollutant emitted by this emissions unit using data from the permit to install application and the SCREEN 3.0 model (or other Ohio EPA approved model). The predicted 1-hour maximum ground-level concentration from the use of the SCREEN 3.0 model was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC). The following summarizes the results of the modeling for the "worst case" pollutant(s):

Pollutant: petroleum distillates (stoddard solvent)

TLV (mg/m3): 342,300 mg/m3

Maximum Hourly Emission Rate (lbs/hr): 8.11*

Predicted 1-Hour Maximum Ground-Level
Concentration (ug/m3): 897.4

MAGLC (ug/m3): 13,633.3

*The hourly emission rate is a combined limit from all of the oil mist collectors that were installed at the Ford Motor Company in 1994 (P079, P085, P086, P087, P088, P089, P090, P091, P092, and P093). This limit reflects the largest annual increase of VOC from the oil mist collectors contained in this PTI.

2. Physical changes to or changes in the method of operation of the emissions unit after its installation or modification could affect the parameters used to determine whether or not the "Air Toxic Policy" is satisfied. Consequently, prior to making a change that could impact such parameters, the permittee shall conduct an evaluation to determine that the "Air Toxic Policy" will still be satisfied. If, upon evaluation, the permittee determines that the "Air Toxic Policy" will not be satisfied, the permittee will not make the change. Changes that can affect the parameters used in applying the "Air Toxic Policy" include the following:

   a. changes in the composition of the materials used (coatings or cleanup materials), or the use of new materials, that would result in the emission of a compound with a lower Threshold Limit Value (TLV), as indicated in the most recent version of the handbook entitled "American Conference of Governmental Industrial Hygienists (ACGIH)," than the lowest TLV value previously modeled;

   b. changes in the composition of the materials, or use of new materials, that would result in an increase in emissions of any pollutant with a listed TLV that was proposed in the application and modeled; and

   c. physical changes to the emissions unit or its exhaust parameters (e.g., increased/ decreased exhaust flow, changes in stack height, changes in stack diameter, etc.).

   If the permittee determines that the "Air Toxic Policy" will be satisfied for the above changes, the Ohio EPA will not consider the change(s) to be a "modification" under OAC rule 3745-31-01(VV)(1)(a)(ii), and a modification of the existing permit to install will not be required. If the change(s) is (are) defined as a modification under other provisions of the modification definition (other than (VV)(1)(a)(ii)), then the permittee shall obtain a final permit to install prior to the change.

3. The permittee shall collect, record, and retain the following information when it conducts evaluations to determine that the changed emissions unit will still satisfy the "Air Toxic Policy:"

   a. a description of the parameters changed (composition of materials, new pollutants emitted, change in stack/exhaust parameters, etc.);

b. documentation of its evaluation and determination that the changed emissions unit still satisfies the "Air Toxic Policy"; and

c. where computer modeling is performed, a copy of the resulting computer model runs that show the results of the application of the "Air Toxic Policy" for the change.

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P098 - Engine machining operation with oil mist collection system (MC-30).	OAC rule 3745-31-05(A)(3)	0.14 lb particulate emissions (PE)/hr 0.61 ton PE/yr 0.91 lb organic compounds (OC)/hr 3.99 tons OC/yr 10% opacity, as a six-minute average see A.I.2.a.
	OAC rule 3745-17-07(A)	see A.I.2.b.
	OAC rule 3745-17-11(B)(1)	see A.I.2.b.
	OAC rule 3745-21-07(G)(2)	see A.II.1.

2. Additional Terms and Conditions

2.a Best Available Technology (BAT) for this emissions unit has been determined to be a maximum outlet grain loading of 0.0007 gr PE/dscf and 0.0044 gr VOC/wscf.

2.b The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

II. Operational Restrictions

1. The use of photochemically reactive materials, as defined in OAC rule 3745-21-01(C)(5), in this emissions unit is prohibited.

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain monthly records of the following information for this emissions unit:

   a. the company identification for each metal working fluid employed in this emissions unit; and,

   b. documentation on whether or not each metal working fluid employed is a photochemically reactive material.

2. The permittee shall perform daily checks, Monday through Friday, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

   a. the color of the emissions;
   b. whether the emissions are representative of normal operations;
   c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
   d. the total duration of any visible emission incident; and
   e. any corrective actions taken to eliminate the abnormal visible emissions.

3. Notwithstanding the frequency of the monitoring and record keeping requirements specified in section A.III.2., the permittee may reduce the visual observations from daily readings to weekly readings if the following conditions are met:

   a. for 1 full quarter the facility's daily visual observations indicate no abnormal visible emissions; and

   b. the permittee continues to comply with all the record keeping and monitoring requirements specified in section A.III.1., on a weekly basis.

   The permittee shall revert to daily readings if any abnormal visible emissions are observed. The daily readings shall continue for one full quarter. If abnormal visible emissions are observed during this time, the permittee shall continue daily readings until such time that no abnormal visible emissions have been observed for a period of three consecutive months.

4. The permit to install for this emissions unit was evaluated based on information contained in the permit to install application. Prior to any physical change or change in the method of operation

involving the engine machining operation and/or oil collection system associated with this emissions unit, the permittee shall conduct an evaluation to determine if the change would constitute a "modification" as defined in OAC rule 3745-31-01 (VV). If any physical change in, or change(s) in the method of operation is (are) defined as a modification, then the permittee shall obtain a final permit to install modification prior to performing such change. The permittee shall collect, record and retain all evaluation information and the final determination when modification evaluations are performed.

IV. Reporting Requirements

1. The permittee shall notify the Director (the appropriate Ohio EPA District Office) in writing of any daily record showing the use of any photochemically reactive material in this emissions unit. The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office) within 45 days after the event occurs.

2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from this emissions unit, and (b) describe any corrective actions taken to eliminate the abnormal visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

V. Testing Requirements

1. Compliance with the emission limitation(s) in section A.I. of the terms and conditions of this permit shall be determined in accordance with the following method(s):

   a. <u>Emission Limitations:</u>
   0.14 lb PE/hr & 0.61 ton PE/yr

   <u>Applicable Compliance Method:</u>
   The permittee may demonstrate compliance with this emission limitation by multiplying the outlet grain loading emission factor of 0.0007 gr/dscf by the maximum volumetric air flow rate of 24000 acfm and converting to pounds/hour by multiplying by 60 min/hr and dividing by 7000 gr/lb. If required, the permittee shall demonstrate compliance by testing in accordance with Method 5, 40 CFR 60, Appendix A.

   The annual PE limitation was developed by multiplying the hourly PE limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

b. Emission Limitations:
0.91 lb OC/hr & 3.99 tons OC/yr

Applicable Compliance Method:
The permittee may demonstrate compliance with this emissions limitation by multiplying the outlet grain loading emission factor of 0.0044 gr/wscf by the maximum volumetric air flow rate of 24000 wscf and converting to pounds/hour by multiplying by 60 min/hr and dividing by 7000 gr/lb. Compliance shall be demonstrated by the monitoring and recordkeeping specified in A.III.2

The annual OC limitation was developed by multiplying the hourly OC limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

c. Emission Limitation:
Visible particulate emissions shall not exceed 10% opacity, as a six-minute average.

Applicable Compliance Method:
If required, compliance with the visible emission limitation specified above shall be determined in accordance with Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60.

VI. Miscellaneous Requirements

None

B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P098 - Engine machining operation with oil mist collection system (MC-30).	None	See B.III.

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

1. The permit to install for this emissions unit was evaluated based on the actual materials (metal working fluids) and the design parameters of the emissions unit's exhaust system, as specified by the permittee in the permit to install application. The Ohio EPA's "Review of New Sources of Air Toxic Emissions" policy ("Air Toxic Policy") was applied for each pollutant emitted by this emissions unit using data from the permit to install application and the SCREEN 3.0 model (or other Ohio EPA approved model). The predicted 1-hour maximum ground-level concentration from the use of the SCREEN 3.0 model was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC). The following summarizes the results of the modeling for the "worst case" pollutant(s):

   Pollutant: petroleum distillates (stoddard solvent)

   TLV (mg/m3): 342,300 mg/m3

Maximum Hourly Emission Rate (lbs/hr): 8.11*

Predicted 1-Hour Maximum Ground-Level
Concentration (ug/m3): 897.4

MAGLC (ug/m3): 13,633.3

*The hourly emission rate is a combined limit from all of the oil mist collectors that were installed at the Ford Motor Company in 1994 (P079, P085, P086, P087, P088, P089, P090, P091, P092, and P093). This limit reflects the largest annual increase of VOC from the oil mist collectors contained in this PTI.

2. Physical changes to or changes in the method of operation of the emissions unit after its installation or modification could affect the parameters used to determine whether or not the "Air Toxic Policy" is satisfied. Consequently, prior to making a change that could impact such parameters, the permittee shall conduct an evaluation to determine that the "Air Toxic Policy" will still be satisfied. If, upon evaluation, the permittee determines that the "Air Toxic Policy" will not be satisfied, the permittee will not make the change. Changes that can affect the parameters used in applying the "Air Toxic Policy" include the following:

   a. changes in the composition of the materials used (coatings or cleanup materials), or the use of new materials, that would result in the emission of a compound with a lower Threshold Limit Value (TLV), as indicated in the most recent version of the handbook entitled "American Conference of Governmental Industrial Hygienists (ACGIH)," than the lowest TLV value previously modeled;

   b. changes in the composition of the materials, or use of new materials, that would result in an increase in emissions of any pollutant with a listed TLV that was proposed in the application and modeled; and

   c. physical changes to the emissions unit or its exhaust parameters (e.g., increased/ decreased exhaust flow, changes in stack height, changes in stack diameter, etc.).

   If the permittee determines that the "Air Toxic Policy" will be satisfied for the above changes, the Ohio EPA will not consider the change(s) to be a "modification" under OAC rule 3745-31-01(VV)(1)(a)(ii), and a modification of the existing permit to install will not be required. If the change(s) is (are) defined as a modification under other provisions of the modification definition (other than (VV)(1)(a)(ii)), then the permittee shall obtain a final permit to install prior to the change.

3. The permittee shall collect, record, and retain the following information when it conducts evaluations to determine that the changed emissions unit will still satisfy the "Air Toxic Policy:"

   a. a description of the parameters changed (composition of materials, new pollutants emitted, change in stack/exhaust parameters, etc.);

b. documentation of its evaluation and determination that the changed emissions unit still satisfies the "Air Toxic Policy"; and

c. where computer modeling is performed, a copy of the resulting computer model runs that show the results of the application of the "Air Toxic Policy" for the change.

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P099 - Engine machining operation with oil mist collection system (MC-31).	OAC rule 3745-31-05(A)(3)	0.24 lb particulate emissions (PE)/hr 1.05 tons PE/yr 1.51 lbs organic compounds (OC)/hr 6.61 tons OC/yr 10% opacity, as a six-minute average see A.I.2.a.
	OAC rule 3745-17-07(A)	see A.I.2.b.
	OAC rule 3745-17-11(B)(1)	see A.I.2.b.
	OAC rule 3745-21-07(G)(2)	see A.II.1.

2. Additional Terms and Conditions

2.a Best Available Technology (BAT) for this emissions unit has been determined to be a maximum outlet grain loading of 0.0007 gr PE/dscf and 0.0044 gr VOC/wscf.

2.b The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

II. Operational Restrictions

1. The use of photochemically reactive materials, as defined in OAC rule 3745-21-01(C)(5), in this emissions unit is prohibited.

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain monthly records of the following information for this emissions unit:

   a. the company identification for each metal working fluid employed in this emissions unit; and,

   b. documentation on whether or not each metal working fluid employed is a photochemically reactive material.

2. The permittee shall perform daily checks, Monday through Friday, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

   a. the color of the emissions;
   b. whether the emissions are representative of normal operations;
   c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
   d. the total duration of any visible emission incident; and
   e. any corrective actions taken to eliminate the abnormal visible emissions.

3. Notwithstanding the frequency of the monitoring and record keeping requirements specified in section A.III.2., the permittee may reduce the visual observations from daily readings to weekly readings if the following conditions are met:

   a. for 1 full quarter the facility's daily visual observations indicate no abnormal visible emissions; and

   b. the permittee continues to comply with all the record keeping and monitoring requirements specified in section A.III.1., on a weekly basis.

   The permittee shall revert to daily readings if any abnormal visible emissions are observed. The daily readings shall continue for one full quarter. If abnormal visible emissions are observed during this time, the permittee shall continue daily readings until such time that no abnormal visible emissions have been observed for a period of three consecutive months.

4. The permit to install for this emissions unit was evaluated based on information contained in the permit to install application. Prior to any physical change or change in the method of operation

involving the engine machining operation and/or oil collection system associated with this emissions unit, the permittee shall conduct an evaluation to determine if the change would constitute a "modification" as defined in OAC rule 3745-31-01 (VV). If any physical change in, or change(s) in the method of operation is (are) defined as a modification, then the permittee shall obtain a final permit to install modification prior to performing such change. The permittee shall collect, record and retain all evaluation information and the final determination when modification evaluations are performed.

IV. Reporting Requirements

1. The permittee shall notify the Director (the appropriate Ohio EPA District Office) in writing of any daily record showing the use of any photochemically reactive material in this emissions unit. The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office) within 45 days after the event occurs.

2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from this emissions unit, and (b) describe any corrective actions taken to eliminate the abnormal visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

V. Testing Requirements

1. Compliance with the emission limitation(s) in section A.I. of the terms and conditions of this permit shall be determined in accordance with the following method(s):

   a. <u>Emission Limitations:</u>
   0.24 lb PE/hr & 1.05 tons PE/yr

   <u>Applicable Compliance Method:</u>
   The permittee may demonstrate compliance with this emission limitation by multiplying the outlet grain loading emission factor of 0.0007 gr/dscf by the maximum volumetric air flow rate of 40000 acfm and converting to pounds/hour by multiplying by 60 min/hr and dividing by 7000 gr/lb. If required, the permittee shall demonstrate compliance by testing in accordance with Method 5, 40 CFR 60, Appendix A.

   The annual PE limitation was developed by multiplying the hourly PE limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

   b. <u>Emission Limitations:</u>
   1.51 lbs OC/hr & 6.61 tons OC/yr

Applicable Compliance Method:
The permittee may demonstrate compliance with this emissions limitation by multiplying the outlet grain loading emission factor of 0.0044 gr/wscf by the maximum volumetric air flow rate of 40000 wscf and converting to pounds/hour by multiplying by 60 min/hr and dividing by 7000 gr/lb. Compliance shall be demonstrated by the monitoring and recordkeeping specified in A.III.2

The annual OC limitation was developed by multiplying the hourly OC limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

c. Emission Limitation:
Visible particulate emissions shall not exceed 10% opacity, as a six-minute average.

Applicable Compliance Method:
If required, compliance with the visible emission limitation specified above shall be determined in accordance with Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60.

VI. Miscellaneous Requirements

None

B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P099 - Engine machining operation with oil mist collection system (MC-31).	None	See B.III.

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

1. The permit to install for this emissions unit was evaluated based on the actual materials (metal working fluids) and the design parameters of the emissions unit's exhaust system, as specified by the permittee in the permit to install application. The Ohio EPA's "Review of New Sources of Air Toxic Emissions" policy ("Air Toxic Policy") was applied for each pollutant emitted by this emissions unit using data from the permit to install application and the SCREEN 3.0 model (or other Ohio EPA approved model). The predicted 1-hour maximum ground-level concentration from the use of the SCREEN 3.0 model was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC). The following summarizes the results of the modeling for the "worst case" pollutant(s):

   Pollutant: petroleum distillates (stoddard solvent)

   TLV (mg/m3): 342,300 mg/m3

   Maximum Hourly Emission Rate (lbs/hr): 8.11*

   Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 897.4

MAGLC (ug/m3): 13,633.3

*The hourly emission rate is a combined limit from all of the oil mist collectors that were installed at the Ford Motor Company in 1994 (P079, P085, P086, P087, P088, P089, P090, P091, P092, and P093). This limit reflects the largest annual increase of VOC from the oil mist collectors contained in this PTI.

2. Physical changes to or changes in the method of operation of the emissions unit after its installation or modification could affect the parameters used to determine whether or not the "Air Toxic Policy" is satisfied. Consequently, prior to making a change that could impact such parameters, the permittee shall conduct an evaluation to determine that the "Air Toxic Policy" will still be satisfied. If, upon evaluation, the permittee determines that the "Air Toxic Policy" will not be satisfied, the permittee will not make the change. Changes that can affect the parameters used in applying the "Air Toxic Policy" include the following:

   a. changes in the composition of the materials used (coatings or cleanup materials), or the use of new materials, that would result in the emission of a compound with a lower Threshold Limit Value (TLV), as indicated in the most recent version of the handbook entitled "American Conference of Governmental Industrial Hygienists (ACGIH)," than the lowest TLV value previously modeled;

   b. changes in the composition of the materials, or use of new materials, that would result in an increase in emissions of any pollutant with a listed TLV that was proposed in the application and modeled; and

   c. physical changes to the emissions unit or its exhaust parameters (e.g., increased/ decreased exhaust flow, changes in stack height, changes in stack diameter, etc.).

   If the permittee determines that the "Air Toxic Policy" will be satisfied for the above changes, the Ohio EPA will not consider the change(s) to be a "modification" under OAC rule 3745-31-01(VV)(1)(a)(ii), and a modification of the existing permit to install will not be required. If the change(s) is (are) defined as a modification under other provisions of the modification definition (other than (VV)(1)(a)(ii)), then the permittee shall obtain a final permit to install prior to the change.

3. The permittee shall collect, record, and retain the following information when it conducts evaluations to determine that the changed emissions unit will still satisfy the "Air Toxic Policy:"

   a. a description of the parameters changed (composition of materials, new pollutants emitted, change in stack/exhaust parameters, etc.);

b. documentation of its evaluation and determination that the changed emissions unit still satisfies the "Air Toxic Policy"; and

c. where computer modeling is performed, a copy of the resulting computer model runs that show the results of the application of the "Air Toxic Policy" for the change.

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P100 - Engine machining operation with oil mist collection system (MC-32).	OAC rule 3745-31-05(A)(3)	0.19 lb particulate emissions (PE)/hr 0.83 ton PE/yr 1.21 lbs organic compounds (OC)/hr 5.30 tons OC/yr 10% opacity, as a six-minute average see A.I.2.a.
	OAC rule 3745-17-07(A)	see A.I.2.b.
	OAC rule 3745-17-11(B)(1)	see A.I.2.b.
	OAC rule 3745-21-07(G)(2)	see A.II.1.

2. Additional Terms and Conditions

2.a Best Available Technology (BAT) for this emissions unit has been determined to be a maximum outlet grain loading of 0.0007 gr PE/dscf and 0.0044 gr VOC/wscf.

2.b The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

II. Operational Restrictions

1. The use of photochemically reactive materials, as defined in OAC rule 3745-21-01(C)(5), in this emissions unit is prohibited.

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain monthly records of the following information for this emissions unit:

   a. the company identification for each metal working fluid employed in this emissions unit; and,

   b. documentation on whether or not each metal working fluid employed is a photochemically reactive material.

2. The permittee shall perform daily checks, Monday through Friday, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

   a. the color of the emissions;
   b. whether the emissions are representative of normal operations;
   c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
   d. the total duration of any visible emission incident; and
   e. any corrective actions taken to eliminate the abnormal visible emissions.

3. Notwithstanding the frequency of the monitoring and record keeping requirements specified in section A.III.2., the permittee may reduce the visual observations from daily readings to weekly readings if the following conditions are met:

   a. for 1 full quarter the facility's daily visual observations indicate no abnormal visible emissions; and

   b. the permittee continues to comply with all the record keeping and monitoring requirements specified in section A.III.1., on a weekly basis.

   The permittee shall revert to daily readings if any abnormal visible emissions are observed. The daily readings shall continue for one full quarter. If abnormal visible emissions are observed during this time, the permittee shall continue daily readings until such time that no abnormal visible emissions have been observed for a period of three consecutive months.

4. The permit to install for this emissions unit was evaluated based on information contained in the permit to install application. Prior to any physical change or change in the method of operation

involving the engine machining operation and/or oil collection system associated with this emissions unit, the permittee shall conduct an evaluation to determine if the change would constitute a "modification" as defined in OAC rule 3745-31-01 (VV). If any physical change in, or change(s) in the method of operation is (are) defined as a modification, then the permittee shall obtain a final permit to install modification prior to performing such change. The permittee shall collect, record and retain all evaluation information and the final determination when modification evaluations are performed.

IV. Reporting Requirements

1. The permittee shall notify the Director (the appropriate Ohio EPA District Office) in writing of any daily record showing the use of any photochemically reactive material in this emissions unit. The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office) within 45 days after the event occurs.

2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from this emissions unit, and (b) describe any corrective actions taken to eliminate the abnormal visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

V. Testing Requirements

1. Compliance with the emission limitation(s) in section A.I. of the terms and conditions of this permit shall be determined in accordance with the following method(s):

   a. <u>Emission Limitations:</u>
   0.19 lb PE/hr & 0.83 ton PE/yr

   <u>Applicable Compliance Method:</u>
   The permittee may demonstrate compliance with this emission limitation by multiplying the outlet grain loading emission factor of 0.0007 gr/dscf by the maximum volumetric air flow rate of 32000 acfm and converting to pounds/hour by multiplying by 60 min/hr and dividing by 7000 gr/lb. If required, the permittee shall demonstrate compliance by testing in accordance with Method 5, 40 CFR 60, Appendix A.

   The annual PE limitation was developed by multiplying the hourly PE limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

   b. <u>Emission Limitations:</u>
   1.21 lbs OC/hr & 5.30 tons OC/yr

Applicable Compliance Method:
The permittee may demonstrate compliance with this emissions limitation by multiplying the outlet grain loading emission factor of 0.0044 gr/wscf by the maximum volumetric air flow rate of 32000 wscf and converting to pounds/hour by multiplying by 60 min/hr and dividing by 7000 gr/lb. Compliance shall be demonstrated by the monitoring and recordkeeping specified in A.III.2

The annual OC limitation was developed by multiplying the hourly OC limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

c. Emission Limitation:
Visible particulate emissions shall not exceed 10% opacity, as a six-minute average.

Applicable Compliance Method:
If required, compliance with the visible emission limitation specified above shall be determined in accordance with Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60.

VI. Miscellaneous Requirements

None

B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P100 - Engine machining operation with oil mist collection system (MC-32).	None	See B.III.

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

1. The permit to install for this emissions unit was evaluated based on the actual materials (metal working fluids) and the design parameters of the emissions unit's exhaust system, as specified by the permittee in the permit to install application. The Ohio EPA's "Review of New Sources of Air Toxic Emissions" policy ("Air Toxic Policy") was applied for each pollutant emitted by this emissions unit using data from the permit to install application and the SCREEN 3.0 model (or other Ohio EPA approved model). The predicted 1-hour maximum ground-level concentration from the use of the SCREEN 3.0 model was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC). The following summarizes the results of the modeling for the "worst case" pollutant(s):

   Pollutant: petroleum distillates (stoddard solvent)

   TLV (mg/m3): 342,300 mg/m3

   Maximum Hourly Emission Rate (lbs/hr): 8.11*

   Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 897.4

MAGLC (ug/m3): 13,633.3

*The hourly emission rate is a combined limit from all of the oil mist collectors that were installed at the Ford Motor Company in 1994 (P079, P085, P086, P087, P088, P089, P090, P091, P092, and P093). This limit reflects the largest annual increase of VOC from the oil mist collectors contained in this PTI.

2. Physical changes to or changes in the method of operation of the emissions unit after its installation or modification could affect the parameters used to determine whether or not the "Air Toxic Policy" is satisfied. Consequently, prior to making a change that could impact such parameters, the permittee shall conduct an evaluation to determine that the "Air Toxic Policy" will still be satisfied. If, upon evaluation, the permittee determines that the "Air Toxic Policy" will not be satisfied, the permittee will not make the change. Changes that can affect the parameters used in applying the "Air Toxic Policy" include the following:

   a. changes in the composition of the materials used (coatings or cleanup materials), or the use of new materials, that would result in the emission of a compound with a lower Threshold Limit Value (TLV), as indicated in the most recent version of the handbook entitled "American Conference of Governmental Industrial Hygienists (ACGIH)," than the lowest TLV value previously modeled;

   b. changes in the composition of the materials, or use of new materials, that would result in an increase in emissions of any pollutant with a listed TLV that was proposed in the application and modeled; and

   c. physical changes to the emissions unit or its exhaust parameters (e.g., increased/ decreased exhaust flow, changes in stack height, changes in stack diameter, etc.).

   If the permittee determines that the "Air Toxic Policy" will be satisfied for the above changes, the Ohio EPA will not consider the change(s) to be a "modification" under OAC rule 3745-31-01(VV)(1)(a)(ii), and a modification of the existing permit to install will not be required. If the change(s) is (are) defined as a modification under other provisions of the modification definition (other than (VV)(1)(a)(ii)), then the permittee shall obtain a final permit to install prior to the change.

3. The permittee shall collect, record, and retain the following information when it conducts evaluations to determine that the changed emissions unit will still satisfy the "Air Toxic Policy:"

   a. a description of the parameters changed (composition of materials, new pollutants emitted, change in stack/exhaust parameters, etc.);

b. documentation of its evaluation and determination that the changed emissions unit still satisfies the "Air Toxic Policy"; and

c. where computer modeling is performed, a copy of the resulting computer model runs that show the results of the application of the "Air Toxic Policy" for the change.

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P101 - Engine machining operation with oil mist collection system (MC-33).	OAC rule 3745-31-05(A)(3)	0.04 lb particulate emissions (PE)/hr 0.18 ton PE/yr 0.23 lb organic compounds (OC)/hr 1.01 ton OC/yr 10% opacity, as a six-minute average see A.I.2.a.
	OAC rule 3745-17-07(A)	see A.I.2.b.
	OAC rule 3745-17-11(B)(1)	see A.I.2.b.
	OAC rule 3745-21-07(G)(2)	see A.II.1.

2. Additional Terms and Conditions

2.a Best Available Technology (BAT) for this emissions unit has been determined to be a maximum outlet grain loading of 0.0007 gr PE/dscf and 0.0044 gr VOC/wscf.

2.b The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

II. Operational Restrictions

1. The use of photochemically reactive materials, as defined in OAC rule 3745-21-01(C)(5), in this emissions unit is prohibited.

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain monthly records of the following information for this emissions unit:

   a. the company identification for each metal working fluid employed in this emissions unit; and,

   b. documentation on whether or not each metal working fluid employed is a photochemically reactive material.

2. The permittee shall perform daily checks, Monday through Friday, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

   a. the color of the emissions;
   b. whether the emissions are representative of normal operations;
   c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
   d. the total duration of any visible emission incident; and
   e. any corrective actions taken to eliminate the abnormal visible emissions.

3. Notwithstanding the frequency of the monitoring and record keeping requirements specified in section A.III.2., the permittee may reduce the visual observations from daily readings to weekly readings if the following conditions are met:

   a. for 1 full quarter the facility's daily visual observations indicate no abnormal visible emissions; and

   b. the permittee continues to comply with all the record keeping and monitoring requirements specified in section A.III.1., on a weekly basis.

   The permittee shall revert to daily readings if any abnormal visible emissions are observed. The daily readings shall continue for one full quarter. If abnormal visible emissions are observed during this time, the permittee shall continue daily readings until such time that no abnormal visible emissions have been observed for a period of three consecutive months.

4. The permit to install for this emissions unit was evaluated based on information contained in the permit to install application. Prior to any physical change or change in the method of operation

involving the engine machining operation and/or oil collection system associated with this emissions unit, the permittee shall conduct an evaluation to determine if the change would constitute a "modification" as defined in OAC rule 3745-31-01 (VV). If any physical change in, or change(s) in the method of operation is (are) defined as a modification, then the permittee shall obtain a final permit to install modification prior to performing such change. The permittee shall collect, record and retain all evaluation information and the final determination when modification evaluations are performed.

IV. Reporting Requirements

1. The permittee shall notify the Director (the appropriate Ohio EPA District Office) in writing of any daily record showing the use of any photochemically reactive material in this emissions unit. The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office) within 45 days after the event occurs.

2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from this emissions unit, and (b) describe any corrective actions taken to eliminate the abnormal visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

V. Testing Requirements

1. Compliance with the emission limitation(s) in section A.I. of the terms and conditions of this permit shall be determined in accordance with the following method(s):

   a. <u>Emission Limitations:</u>
   0.04 lb PE/hr & 0.18 ton PE/yr

   <u>Applicable Compliance Method:</u>
   The permittee may demonstrate compliance with this emission limitation by multiplying the outlet grain loading emission factor of 0.0007 gr/dscf by the maximum volumetric air flow rate of 6000 acfm and converting to pounds/hour by multiplying by 60 min/hr and dividing by 7000 gr/lb. If required, the permittee shall demonstrate compliance by testing in accordance with Method 5, 40 CFR 60, Appendix A.

   The annual PE limitation was developed by multiplying the hourly PE limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

   b. <u>Emission Limitations:</u>
   0.23 lb OC/hr & 1.01 ton OC/yr

Applicable Compliance Method:
The permittee may demonstrate compliance with this emissions limitation by multiplying the outlet grain loading emission factor of 0.0044 gr/wscf by the maximum volumetric air flow rate of 6000 wscf and converting to pounds/hour by multiplying by 60 min/hr and dividing by 7000 gr/lb. Compliance shall be demonstrated by the monitoring and recordkeeping specified in A.III.2

The annual OC limitation was developed by multiplying the hourly OC limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

c. Emission Limitation:
Visible particulate emissions shall not exceed 10% opacity, as a six-minute average.

Applicable Compliance Method:
If required, compliance with the visible emission limitation specified above shall be determined in accordance with Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60.

VI. Miscellaneous Requirements

None

B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P101 - Engine machining operation with oil mist collection system (MC-33).	None	See B.III.

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

1. The permit to install for this emissions unit was evaluated based on the actual materials (metal working fluids) and the design parameters of the emissions unit's exhaust system, as specified by the permittee in the permit to install application. The Ohio EPA's "Review of New Sources of Air Toxic Emissions" policy ("Air Toxic Policy") was applied for each pollutant emitted by this emissions unit using data from the permit to install application and the SCREEN 3.0 model (or other Ohio EPA approved model). The predicted 1-hour maximum ground-level concentration from the use of the SCREEN 3.0 model was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC). The following summarizes the results of the modeling for the "worst case" pollutant(s):

   Pollutant: petroleum distillates (stoddard solvent)

   TLV (mg/m3): 342,300 mg/m3

Emissions Unit ID: P101

Maximum Hourly Emission Rate (lbs/hr): 8.11*

Predicted 1-Hour Maximum Ground-Level
Concentration (ug/m3): 897.4

MAGLC (ug/m3): 13,633.3

*The hourly emission rate is a combined limit from all of the oil mist collectors that were installed at the Ford Motor Company in 1994 (P079, P085, P086, P087, P088, P089, P090, P091, P092, and P093). This limit reflects the largest annual increase of VOC from the oil mist collectors contained in this PTI.

2. Physical changes to or changes in the method of operation of the emissions unit after its installation or modification could affect the parameters used to determine whether or not the "Air Toxic Policy" is satisfied. Consequently, prior to making a change that could impact such parameters, the permittee shall conduct an evaluation to determine that the "Air Toxic Policy" will still be satisfied. If, upon evaluation, the permittee determines that the "Air Toxic Policy" will not be satisfied, the permittee will not make the change. Changes that can affect the parameters used in applying the "Air Toxic Policy" include the following:

   a. changes in the composition of the materials used (coatings or cleanup materials), or the use of new materials, that would result in the emission of a compound with a lower Threshold Limit Value (TLV), as indicated in the most recent version of the handbook entitled "American Conference of Governmental Industrial Hygienists (ACGIH)," than the lowest TLV value previously modeled;

   b. changes in the composition of the materials, or use of new materials, that would result in an increase in emissions of any pollutant with a listed TLV that was proposed in the application and modeled; and

   c. physical changes to the emissions unit or its exhaust parameters (e.g., increased/ decreased exhaust flow, changes in stack height, changes in stack diameter, etc.).

   If the permittee determines that the "Air Toxic Policy" will be satisfied for the above changes, the Ohio EPA will not consider the change(s) to be a "modification" under OAC rule 3745-31-01(VV)(1)(a)(ii), and a modification of the existing permit to install will not be required. If the change(s) is (are) defined as a modification under other provisions of the modification definition (other than (VV)(1)(a)(ii)), then the permittee shall obtain a final permit to install prior to the change.

3. The permittee shall collect, record, and retain the following information when it conducts evaluations to determine that the changed emissions unit will still satisfy the "Air Toxic Policy:"

   a. a description of the parameters changed (composition of materials, new pollutants emitted, change in stack/exhaust parameters, etc.);

b. documentation of its evaluation and determination that the changed emissions unit still satisfies the "Air Toxic Policy"; and

c. where computer modeling is performed, a copy of the resulting computer model runs that show the results of the application of the "Air Toxic Policy" for the change.

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P102 - Engine machining operation with oil mist collection system (MC-34).	OAC rule 3745-31-05(A)(3)	0.11 lb particulate emissions (PE)/hr 0.48 ton PE/yr 0.68 lb organic compounds (OC)/hr 2.98 tons OC/yr 10% opacity, as a six-minute average see A.I.2.a.
	OAC rule 3745-17-07(A)	see A.I.2.b.
	OAC rule 3745-17-11(B)(1)	see A.I.2.b.
	OAC rule 3745-21-07(G)(2)	see A.II.1.

2. Additional Terms and Conditions

2.a Best Available Technology (BAT) for this emissions unit has been determined to be a maximum outlet grain loading of 0.0007 gr PE/dscf and 0.0044 gr VOC/wscf.

2.b The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

II. Operational Restrictions

1. The use of photochemically reactive materials, as defined in OAC rule 3745-21-01(C)(5), in this emissions unit is prohibited.

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain monthly records of the following information for this emissions unit:

   a. the company identification for each metal working fluid employed in this emissions unit; and,

   b. documentation on whether or not each metal working fluid employed is a photochemically reactive material.

2. The permittee shall perform daily checks, Monday through Friday, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

   a. the color of the emissions;
   b. whether the emissions are representative of normal operations;
   c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
   d. the total duration of any visible emission incident; and
   e. any corrective actions taken to eliminate the abnormal visible emissions.

3. Notwithstanding the frequency of the monitoring and record keeping requirements specified in section A.III.2., the permittee may reduce the visual observations from daily readings to weekly readings if the following conditions are met:

   a. for 1 full quarter the facility's daily visual observations indicate no abnormal visible emissions; and

   b. the permittee continues to comply with all the record keeping and monitoring requirements specified in section A.III.1., on a weekly basis.

   The permittee shall revert to daily readings if any abnormal visible emissions are observed. The daily readings shall continue for one full quarter. If abnormal visible emissions are observed during this time, the permittee shall continue daily readings until such time that no abnormal visible emissions have been observed for a period of three consecutive months.

4. The permit to install for this emissions unit was evaluated based on information contained in the permit to install application. Prior to any physical change or change in the method of operation

involving the engine machining operation and/or oil collection system associated with this emissions unit, the permittee shall conduct an evaluation to determine if the change would constitute a "modification" as defined in OAC rule 3745-31-01 (VV). If any physical change in, or change(s) in the method of operation is (are) defined as a modification, then the permittee shall obtain a final permit to install modification prior to performing such change. The permittee shall collect, record and retain all evaluation information and the final determination when modification evaluations are performed.

IV. Reporting Requirements

1. The permittee shall notify the Director (the appropriate Ohio EPA District Office) in writing of any daily record showing the use of any photochemically reactive material in this emissions unit. The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office) within 45 days after the event occurs.

2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from this emissions unit, and (b) describe any corrective actions taken to eliminate the abnormal visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

V. Testing Requirements

1. Compliance with the emission limitation(s) in section A.I. of the terms and conditions of this permit shall be determined in accordance with the following method(s):

   a. Emission Limitations:
   0.11 lb PE/hr & 0.48 ton PE/yr

   Applicable Compliance Method:
   The permittee may demonstrate compliance with this emission limitation by multiplying the outlet grain loading emission factor of 0.0007 gr/dscf by the maximum volumetric air flow rate of 18000 acfm and converting to pounds/hour by multiplying by 60 min/hr and dividing by 7000 gr/lb. If required, the permittee shall demonstrate compliance by testing in accordance with Method 5, 40 CFR 60, Appendix A.

   The annual PE limitation was developed by multiplying the hourly PE limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

b. Emission Limitations:
0.68 lb OC/hr & 2.98 tons OC/yr

Applicable Compliance Method:
The permittee may demonstrate compliance with this emissions limitation by multiplying the outlet grain loading emission factor of 0.0044 gr/wscf by the maximum volumetric air flow rate of 18000 wscf and converting to pounds/hour by multiplying by 60 min/hr and dividing by 7000 gr/lb. Compliance shall be demonstrated by the monitoring and recordkeeping specified in A.III.2

The annual OC limitation was developed by multiplying the hourly OC limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

c. Emission Limitation:
Visible particulate emissions shall not exceed 10% opacity, as a six-minute average.

Applicable Compliance Method:
If required, compliance with the visible emission limitation specified above shall be determined in accordance with Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60.

VI. Miscellaneous Requirements

None

B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P102 - Engine machining operation with oil mist collection system (MC-34).	None	See B.III.

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

1. The permit to install for this emissions unit was evaluated based on the actual materials (metal working fluids) and the design parameters of the emissions unit's exhaust system, as specified by the permittee in the permit to install application. The Ohio EPA's "Review of New Sources of Air Toxic Emissions" policy ("Air Toxic Policy") was applied for each pollutant emitted by this emissions unit using data from the permit to install application and the SCREEN 3.0 model (or other Ohio EPA approved model). The predicted 1-hour maximum ground-level concentration from the use of the SCREEN 3.0 model was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC). The following summarizes the results of the modeling for the "worst case" pollutant(s):

Pollutant: petroleum distillates (stoddard solvent)

TLV (mg/m3): 342,300 mg/m3

Maximum Hourly Emission Rate (lbs/hr): 8.11*

Predicted 1-Hour Maximum Ground-Level
Concentration (ug/m3): 897.4

MAGLC (ug/m3): 13,633.3

*The hourly emission rate is a combined limit from all of the oil mist collectors that were installed at the Ford Motor Company in 1994 (P079, P085, P086, P087, P088, P089, P090, P091, P092, and P093). This limit reflects the largest annual increase of VOC from the oil mist collectors contained in this PTI.

2. Physical changes to or changes in the method of operation of the emissions unit after its installation or modification could affect the parameters used to determine whether or not the "Air Toxic Policy" is satisfied. Consequently, prior to making a change that could impact such parameters, the permittee shall conduct an evaluation to determine that the "Air Toxic Policy" will still be satisfied. If, upon evaluation, the permittee determines that the "Air Toxic Policy" will not be satisfied, the permittee will not make the change. Changes that can affect the parameters used in applying the "Air Toxic Policy" include the following:

   a. changes in the composition of the materials used (coatings or cleanup materials), or the use of new materials, that would result in the emission of a compound with a lower Threshold Limit Value (TLV), as indicated in the most recent version of the handbook entitled "American Conference of Governmental Industrial Hygienists (ACGIH)," than the lowest TLV value previously modeled;

   b. changes in the composition of the materials, or use of new materials, that would result in an increase in emissions of any pollutant with a listed TLV that was proposed in the application and modeled; and

   c. physical changes to the emissions unit or its exhaust parameters (e.g., increased/ decreased exhaust flow, changes in stack height, changes in stack diameter, etc.).

   If the permittee determines that the "Air Toxic Policy" will be satisfied for the above changes, the Ohio EPA will not consider the change(s) to be a "modification" under OAC rule 3745-31-01(VV)(1)(a)(ii), and a modification of the existing permit to install will not be required. If the change(s) is (are) defined as a modification under other provisions of the modification definition (other than (VV)(1)(a)(ii)), then the permittee shall obtain a final permit to install prior to the change.

3. The permittee shall collect, record, and retain the following information when it conducts evaluations to determine that the changed emissions unit will still satisfy the "Air Toxic Policy:"

   a. a description of the parameters changed (composition of materials, new pollutants emitted, change in stack/exhaust parameters, etc.);

b. documentation of its evaluation and determination that the changed emissions unit still satisfies the "Air Toxic Policy"; and

c. where computer modeling is performed, a copy of the resulting computer model runs that show the results of the application of the "Air Toxic Policy" for the change.

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P103 - Engine machining operation with oil mist collection system (MC-35).	OAC rule 3745-31-05(A)(3)	0.05 lb particulate emissions (PE)/hr 0.22 ton PE/yr 0.69 lb organic compounds (OC)/hr 3.02 tons OC/yr 10% opacity, as a six-minute average see A.I.2.a.
	OAC rule 3745-17-07(A)	see A.I.2.b.
	OAC rule 3745-17-11(B)(1)	see A.I.2.b.
	OAC rule 3745-21-07(G)(2)	see A.II.1.

2. Additional Terms and Conditions

2.a Best Available Technology (BAT) for this emissions unit has been determined to be a maximum outlet grain loading of 0.0007 gr PE/dscf and 0.01 gr VOC/wscf.

2.b The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

II. Operational Restrictions

1. The use of photochemically reactive materials, as defined in OAC rule 3745-21-01(C)(5), in this emissions unit is prohibited.

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain monthly records of the following information for this emissions unit:

   a. the company identification for each metal working fluid employed in this emissions unit; and,

   b. documentation on whether or not each metal working fluid employed is a photochemically reactive material.

2. The permittee shall perform daily checks, Monday through Friday, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

   a. the color of the emissions;
   b. whether the emissions are representative of normal operations;
   c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
   d. the total duration of any visible emission incident; and
   e. any corrective actions taken to eliminate the abnormal visible emissions.

3. Notwithstanding the frequency of the monitoring and record keeping requirements specified in section A.III.2., the permittee may reduce the visual observations from daily readings to weekly readings if the following conditions are met:

   a. for 1 full quarter the facility's daily visual observations indicate no abnormal visible emissions; and

   b. the permittee continues to comply with all the record keeping and monitoring requirements specified in section A.III.1., on a weekly basis.

   The permittee shall revert to daily readings if any abnormal visible emissions are observed. The daily readings shall continue for one full quarter. If abnormal visible emissions are observed during this time, the permittee shall continue daily readings until such time that no abnormal visible emissions have been observed for a period of three consecutive months.

4. The permit to install for this emissions unit was evaluated based on information contained in the permit to install application. Prior to any physical change or change in the method of operation

involving the engine machining operation and/or oil collection system associated with this emissions unit, the permittee shall conduct an evaluation to determine if the change would constitute a "modification" as defined in OAC rule 3745-31-01 (VV). If any physical change in, or change(s) in the method of operation is (are) defined as a modification, then the permittee shall obtain a final permit to install modification prior to performing such change. The permittee shall collect, record and retain all evaluation information and the final determination when modification evaluations are performed.

IV. Reporting Requirements

1. The permittee shall notify the Director (the appropriate Ohio EPA District Office) in writing of any daily record showing the use of any photochemically reactive material in this emissions unit. The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office) within 45 days after the event occurs.

2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from this emissions unit, and (b) describe any corrective actions taken to eliminate the abnormal visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

V. Testing Requirements

1. Compliance with the emission limitation(s) in section A.I. of the terms and conditions of this permit shall be determined in accordance with the following method(s):

   a. <u>Emission Limitations:</u>
   0.05 lb PE/hr & 0.22 ton PE/yr

   <u>Applicable Compliance Method:</u>
   The permittee may demonstrate compliance with this emission limitation by multiplying the outlet grain loading emission factor of 0.0007 gr/dscf by the maximum volumetric air flow rate of 8000 acfm and converting to pounds/hour by multiplying by 60 min/hr and dividing by 7000 gr/lb. If required, the permittee shall demonstrate compliance by testing in accordance with Method 5, 40 CFR 60, Appendix A.

   The annual PE limitation was developed by multiplying the hourly PE limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

b. Emission Limitations:
0.69 lb OC/hr & 3.02 tons OC/yr

Applicable Compliance Method:
The permittee may demonstrate compliance with this emissions limitation by multiplying the outlet grain loading emission factor of 0.01 gr/wscf by the maximum volumetric air flow rate of 8000 wscf and converting to pounds/hour by multiplying by 60 min/hr and dividing by 7000 gr/lb. Compliance shall be demonstrated by the monitoring and recordkeeping specified in A.III.2

The annual OC limitation was developed by multiplying the hourly OC limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

c. Emission Limitation:
Visible particulate emissions shall not exceed 10% opacity, as a six-minute average.

Applicable Compliance Method:
If required, compliance with the visible emission limitation specified above shall be determined in accordance with Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60.

VI. Miscellaneous Requirements

None

B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P103 - Engine machining operation with oil mist collection system (MC-35).	None	See B.III.

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

1. The permit to install for this emissions unit was evaluated based on the actual materials (metal working fluids) and the design parameters of the emissions unit's exhaust system, as specified by the permittee in the permit to install application. The Ohio EPA's "Review of New Sources of Air Toxic Emissions" policy ("Air Toxic Policy") was applied for each pollutant emitted by this emissions unit using data from the permit to install application and the SCREEN 3.0 model (or other Ohio EPA approved model). The predicted 1-hour maximum ground-level concentration from the use of the SCREEN 3.0 model was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC). The following summarizes the results of the modeling for the "worst case" pollutant(s):

Pollutant: petroleum distillates (stoddard solvent)

TLV (mg/m3): 342,300 mg/m3

Maximum Hourly Emission Rate (lbs/hr): 8.11*

Predicted 1-Hour Maximum Ground-Level
Concentration (ug/m3): 897.4

MAGLC (ug/m3): 13,633.3

*The hourly emission rate is a combined limit from all of the oil mist collectors that were installed at the Ford Motor Company in 1994 (P079, P085, P086, P087, P088, P089, P090, P091, P092, and P093). This limit reflects the largest annual increase of VOC from the oil mist collectors contained in this PTI.

2. Physical changes to or changes in the method of operation of the emissions unit after its installation or modification could affect the parameters used to determine whether or not the "Air Toxic Policy" is satisfied. Consequently, prior to making a change that could impact such parameters, the permittee shall conduct an evaluation to determine that the "Air Toxic Policy" will still be satisfied. If, upon evaluation, the permittee determines that the "Air Toxic Policy" will not be satisfied, the permittee will not make the change. Changes that can affect the parameters used in applying the "Air Toxic Policy" include the following:

   a. changes in the composition of the materials used (coatings or cleanup materials), or the use of new materials, that would result in the emission of a compound with a lower Threshold Limit Value (TLV), as indicated in the most recent version of the handbook entitled "American Conference of Governmental Industrial Hygienists (ACGIH)," than the lowest TLV value previously modeled;

   b. changes in the composition of the materials, or use of new materials, that would result in an increase in emissions of any pollutant with a listed TLV that was proposed in the application and modeled; and

   c. physical changes to the emissions unit or its exhaust parameters (e.g., increased/ decreased exhaust flow, changes in stack height, changes in stack diameter, etc.).

   If the permittee determines that the "Air Toxic Policy" will be satisfied for the above changes, the Ohio EPA will not consider the change(s) to be a "modification" under OAC rule 3745-31-01(VV)(1)(a)(ii), and a modification of the existing permit to install will not be required. If the change(s) is (are) defined as a modification under other provisions of the modification definition (other than (VV)(1)(a)(ii)), then the permittee shall obtain a final permit to install prior to the change.

3. The permittee shall collect, record, and retain the following information when it conducts evaluations to determine that the changed emissions unit will still satisfy the "Air Toxic Policy:"

   a. a description of the parameters changed (composition of materials, new pollutants emitted, change in stack/exhaust parameters, etc.);

b. documentation of its evaluation and determination that the changed emissions unit still satisfies the "Air Toxic Policy"; and

c. where computer modeling is performed, a copy of the resulting computer model runs that show the results of the application of the "Air Toxic Policy" for the change.

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P104 - Engine machining operation with oil mist collection system (MC-36).	OAC rule 3745-31-05(A)(3)	0.06 lb particulate emissions (PE)/hr 0.26 ton PE/yr 0.86 lb organic compounds (OC)/hr 3.77 tons OC/yr 10% opacity, as a six-minute average see A.I.2.a.
	OAC rule 3745-17-07(A)	see A.I.2.b.
	OAC rule 3745-17-11(B)(1)	see A.I.2.b.
	OAC rule 3745-21-07(G)(2)	see A.II.1.

2. Additional Terms and Conditions

2.a Best Available Technology (BAT) for this emissions unit has been determined to be a maximum outlet grain loading of 0.0007 gr PE/dscf and 0.01 gr VOC/wscf.

2.b The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

II. Operational Restrictions

1. The use of photochemically reactive materials, as defined in OAC rule 3745-21-01(C)(5), in this emissions unit is prohibited.

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain monthly records of the following information for this emissions unit:

   a. the company identification for each metal working fluid employed in this emissions unit; and,

   b. documentation on whether or not each metal working fluid employed is a photochemically reactive material.

2. The permittee shall perform daily checks, Monday through Friday, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

   a. the color of the emissions;
   b. whether the emissions are representative of normal operations;
   c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
   d. the total duration of any visible emission incident; and
   e. any corrective actions taken to eliminate the abnormal visible emissions.

3. Notwithstanding the frequency of the monitoring and record keeping requirements specified in section A.III.2., the permittee may reduce the visual observations from daily readings to weekly readings if the following conditions are met:

   a. for 1 full quarter the facility's daily visual observations indicate no abnormal visible emissions; and

   b. the permittee continues to comply with all the record keeping and monitoring requirements specified in section A.III.1., on a weekly basis.

   The permittee shall revert to daily readings if any abnormal visible emissions are observed. The daily readings shall continue for one full quarter. If abnormal visible emissions are observed during this time, the permittee shall continue daily readings until such time that no abnormal visible emissions have been observed for a period of three consecutive months.

4. The permit to install for this emissions unit was evaluated based on information contained in the permit to install application. Prior to any physical change or change in the method of operation

involving the engine machining operation and/or oil collection system associated with this emissions unit, the permittee shall conduct an evaluation to determine if the change would constitute a "modification" as defined in OAC rule 3745-31-01 (VV). If any physical change in, or change(s) in the method of operation is (are) defined as a modification, then the permittee shall obtain a final permit to install modification prior to performing such change. The permittee shall collect, record and retain all evaluation information and the final determination when modification evaluations are performed.

IV. Reporting Requirements

1. The permittee shall notify the Director (the appropriate Ohio EPA District Office) in writing of any daily record showing the use of any photochemically reactive material in this emissions unit. The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office) within 45 days after the event occurs.

2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from this emissions unit, and (b) describe any corrective actions taken to eliminate the abnormal visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

V. Testing Requirements

1. Compliance with the emission limitation(s) in section A.I. of the terms and conditions of this permit shall be determined in accordance with the following method(s):

   a. <u>Emission Limitations:</u>
   0.06 lb PE/hr & 0.26 ton PE/yr

   <u>Applicable Compliance Method:</u>
   The permittee may demonstrate compliance with this emission limitation by multiplying the outlet grain loading emission factor of 0.0007 gr/dscf by the maximum volumetric air flow rate of 10000 acfm and converting to pounds/hour by multiplying by 60 min/hr and dividing by 7000 gr/lb. If required, the permittee shall demonstrate compliance by testing in accordance with Method 5, 40 CFR 60, Appendix A.

   The annual PE limitation was developed by multiplying the hourly PE limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

b. Emission Limitations:
0.86 lb OC/hr & 3.77 tons OC/yr

Applicable Compliance Method:
The permittee may demonstrate compliance with this emissions limitation by multiplying the outlet grain loading emission factor of 0.01 gr/wscf by the maximum volumetric air flow rate of 10000 wscf and converting to pounds/hour by multiplying by 60 min/hr and dividing by 7000 gr/lb. Compliance shall be demonstrated by the monitoring and recordkeeping specified in A.III.2

The annual OC limitation was developed by multiplying the hourly OC limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

c. Emission Limitation:
Visible particulate emissions shall not exceed 10% opacity, as a six-minute average.

Applicable Compliance Method:
If required, compliance with the visible emission limitation specified above shall be determined in accordance with Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60.

VI. Miscellaneous Requirements

None

B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P104 - Engine machining operation with oil mist collection system (MC-36).	None	See B.III.

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

1. The permit to install for this emissions unit was evaluated based on the actual materials (metal working fluids) and the design parameters of the emissions unit's exhaust system, as specified by the permittee in the permit to install application. The Ohio EPA's "Review of New Sources of Air Toxic Emissions" policy ("Air Toxic Policy") was applied for each pollutant emitted by this emissions unit using data from the permit to install application and the SCREEN 3.0 model (or other Ohio EPA approved model). The predicted 1-hour maximum ground-level concentration from the use of the SCREEN 3.0 model was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC). The following summarizes the results of the modeling for the "worst case" pollutant(s):

   Pollutant: petroleum distillates (stoddard solvent)

   TLV (mg/m3): 342,300 mg/m3

Maximum Hourly Emission Rate (lbs/hr): 8.11*

Predicted 1-Hour Maximum Ground-Level
Concentration (ug/m3): 897.4

MAGLC (ug/m3): 13,633.3

*The hourly emission rate is a combined limit from all of the oil mist collectors that were installed at the Ford Motor Company in 1994 (P079, P085, P086, P087, P088, P089, P090, P091, P092, and P093). This limit reflects the largest annual increase of VOC from the oil mist collectors contained in this PTI.

2. Physical changes to or changes in the method of operation of the emissions unit after its installation or modification could affect the parameters used to determine whether or not the "Air Toxic Policy" is satisfied. Consequently, prior to making a change that could impact such parameters, the permittee shall conduct an evaluation to determine that the "Air Toxic Policy" will still be satisfied. If, upon evaluation, the permittee determines that the "Air Toxic Policy" will not be satisfied, the permittee will not make the change. Changes that can affect the parameters used in applying the "Air Toxic Policy" include the following:

   a. changes in the composition of the materials used (coatings or cleanup materials), or the use of new materials, that would result in the emission of a compound with a lower Threshold Limit Value (TLV), as indicated in the most recent version of the handbook entitled "American Conference of Governmental Industrial Hygienists (ACGIH)," than the lowest TLV value previously modeled;

   b. changes in the composition of the materials, or use of new materials, that would result in an increase in emissions of any pollutant with a listed TLV that was proposed in the application and modeled; and

   c. physical changes to the emissions unit or its exhaust parameters (e.g., increased/ decreased exhaust flow, changes in stack height, changes in stack diameter, etc.).

   If the permittee determines that the "Air Toxic Policy" will be satisfied for the above changes, the Ohio EPA will not consider the change(s) to be a "modification" under OAC rule 3745-31-01(VV)(1)(a)(ii), and a modification of the existing permit to install will not be required. If the change(s) is (are) defined as a modification under other provisions of the modification definition (other than (VV)(1)(a)(ii)), then the permittee shall obtain a final permit to install prior to the change.

3. The permittee shall collect, record, and retain the following information when it conducts evaluations to determine that the changed emissions unit will still satisfy the "Air Toxic Policy:"

   a. a description of the parameters changed (composition of materials, new pollutants emitted, change in stack/exhaust parameters, etc.);

b. documentation of its evaluation and determination that the changed emissions unit still satisfies the "Air Toxic Policy"; and

c. where computer modeling is performed, a copy of the resulting computer model runs that show the results of the application of the "Air Toxic Policy" for the change.

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P105 - Engine machining operation with oil mist collection system (MC-37).	OAC rule 3745-31-05(A)(3)	0.06 lb particulate emissions (PE)/hr 0.26 ton PE/yr 0.86 lb organic compounds (OC)/hr 3.77 tons OC/yr 10% opacity, as a six-minute average see A.I.2.a.
	OAC rule 3745-17-07(A)	see A.I.2.b.
	OAC rule 3745-17-11(B)(1)	see A.I.2.b.
	OAC rule 3745-21-07(G)(2)	see A.II.1.

2. Additional Terms and Conditions

2.a Best Available Technology (BAT) for this emissions unit has been determined to be a maximum outlet grain loading of 0.0007 gr PE/dscf and 0.01 gr VOC/wscf.

2.b The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

II. Operational Restrictions

1. The use of photochemically reactive materials, as defined in OAC rule 3745-21-01(C)(5), in this emissions unit is prohibited.

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain monthly records of the following information for this emissions unit:

   a. the company identification for each metal working fluid employed in this emissions unit; and,

   b. documentation on whether or not each metal working fluid employed is a photochemically reactive material.

2. The permittee shall perform daily checks, Monday through Friday, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from this emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

   a. the color of the emissions;
   b. whether the emissions are representative of normal operations;
   c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
   d. the total duration of any visible emission incident; and
   e. any corrective actions taken to eliminate the abnormal visible emissions.

3. Notwithstanding the frequency of the monitoring and record keeping requirements specified in section A.III.2., the permittee may reduce the visual observations from daily readings to weekly readings if the following conditions are met:

   a. for 1 full quarter the facility's daily visual observations indicate no abnormal visible emissions; and

   b. the permittee continues to comply with all the record keeping and monitoring requirements specified in section A.III.1., on a weekly basis.

   The permittee shall revert to daily readings if any abnormal visible emissions are observed. The daily readings shall continue for one full quarter. If abnormal visible emissions are observed during this time, the permittee shall continue daily readings until such time that no abnormal visible emissions have been observed for a period of three consecutive months.

4. The permit to install for this emissions unit was evaluated based on information contained in the permit to install application. Prior to any physical change or change in the method of operation

involving the engine machining operation and/or oil collection system associated with this emissions unit, the permittee shall conduct an evaluation to determine if the change would constitute a "modification" as defined in OAC rule 3745-31-01 (VV). If any physical change in, or change(s) in the method of operation is (are) defined as a modification, then the permittee shall obtain a final permit to install modification prior to performing such change. The permittee shall collect, record and retain all evaluation information and the final determination when modification evaluations are performed.

IV. Reporting Requirements

1. The permittee shall notify the Director (the appropriate Ohio EPA District Office) in writing of any daily record showing the use of any photochemically reactive material in this emissions unit. The notification shall include a copy of such record and shall be sent to the Director (the appropriate Ohio EPA District Office) within 45 days after the event occurs.

2. The permittee shall submit semiannual written reports that (a) identify all days during which any visible particulate emissions were observed from this emissions unit, and (b) describe any corrective actions taken to eliminate the abnormal visible particulate emissions. These reports shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) by January 31 and July 31 of each year and shall cover the previous 6-month period.

V. Testing Requirements

1. Compliance with the emission limitation(s) in section A.I. of the terms and conditions of this permit shall be determined in accordance with the following method(s):

   a. <u>Emission Limitations:</u>
   0.06 lb PE/hr & 0.26 ton PE/yr

   <u>Applicable Compliance Method:</u>
   The permittee may demonstrate compliance with this emission limitation by multiplying the outlet grain loading emission factor of 0.0007 gr/dscf by the maximum volumetric air flow rate of 10000 acfm and converting to pounds/hour by multiplying by 60 min/hr and dividing by 7000 gr/lb. If required, the permittee shall demonstrate compliance by testing in accordance with Method 5, 40 CFR 60, Appendix A.

   The annual PE limitation was developed by multiplying the hourly PE limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

   b. <u>Emission Limitations:</u>
   0.86 lb OC/hr & 3.77 tons OC/yr

Applicable Compliance Method:
The permittee may demonstrate compliance with this emissions limitation by multiplying the outlet grain loading emission factor of 0.01 gr/wscf by the maximum volumetric air flow rate of 10000 wscf and converting to pounds/hour by multiplying by 60 min/hr and dividing by 7000 gr/lb. Compliance shall be demonstrated by the monitoring and recordkeeping specified in A.III.2

The annual OC limitation was developed by multiplying the hourly OC limitation by the maximum operating schedule of 8760 hrs/yr, and dividing by 2000 lbs/ton. Therefore, provided compliance is shown with the hourly limitation, compliance will also be shown with the annual limitation.

c. Emission Limitation:
Visible particulate emissions shall not exceed 10% opacity, as a six-minute average.

Applicable Compliance Method:
If required, compliance with the visible emission limitation specified above shall be determined in accordance with Test Method 9 as set forth in "Appendix on Test Methods" in 40 CFR, Part 60.

VI. Miscellaneous Requirements

None

B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

1. The specific operations(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 specified in narrative form following the table.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
P105 - Engine machining operation with oil mist collection system (MC-37).	None	See B.III.

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

None

III. Monitoring and/or Recordkeeping Requirements

1. The permit to install for this emissions unit was evaluated based on the actual materials (metal working fluids) and the design parameters of the emissions unit's exhaust system, as specified by the permittee in the permit to install application. The Ohio EPA's "Review of New Sources of Air Toxic Emissions" policy ("Air Toxic Policy") was applied for each pollutant emitted by this emissions unit using data from the permit to install application and the SCREEN 3.0 model (or other Ohio EPA approved model). The predicted 1-hour maximum ground-level concentration from the use of the SCREEN 3.0 model was compared to the Maximum Acceptable Ground-Level Concentration (MAGLC). The following summarizes the results of the modeling for the "worst case" pollutant(s):

   Pollutant: petroleum distillates (stoddard solvent)

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   Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 897.4

MAGLC (ug/m3): 13,633.3

*The hourly emission rate is a combined limit from all of the oil mist collectors that were installed at the Ford Motor Company in 1994 (P079, P085, P086, P087, P088, P089, P090, P091, P092, and P093). This limit reflects the largest annual increase of VOC from the oil mist collectors contained in this PTI.

2. Physical changes to or changes in the method of operation of the emissions unit after its installation or modification could affect the parameters used to determine whether or not the "Air Toxic Policy" is satisfied. Consequently, prior to making a change that could impact such parameters, the permittee shall conduct an evaluation to determine that the "Air Toxic Policy" will still be satisfied. If, upon evaluation, the permittee determines that the "Air Toxic Policy" will not be satisfied, the permittee will not make the change. Changes that can affect the parameters used in applying the "Air Toxic Policy" include the following:

   a. changes in the composition of the materials used (coatings or cleanup materials), or the use of new materials, that would result in the emission of a compound with a lower Threshold Limit Value (TLV), as indicated in the most recent version of the handbook entitled "American Conference of Governmental Industrial Hygienists (ACGIH)," than the lowest TLV value previously modeled;

   b. changes in the composition of the materials, or use of new materials, that would result in an increase in emissions of any pollutant with a listed TLV that was proposed in the application and modeled; and

   c. physical changes to the emissions unit or its exhaust parameters (e.g., increased/ decreased exhaust flow, changes in stack height, changes in stack diameter, etc.).

   If the permittee determines that the "Air Toxic Policy" will be satisfied for the above changes, the Ohio EPA will not consider the change(s) to be a "modification" under OAC rule 3745-31-01(VV)(1)(a)(ii), and a modification of the existing permit to install will not be required. If the change(s) is (are) defined as a modification under other provisions of the modification definition (other than (VV)(1)(a)(ii)), then the permittee shall obtain a final permit to install prior to the change.

3. The permittee shall collect, record, and retain the following information when it conducts evaluations to determine that the changed emissions unit will still satisfy the "Air Toxic Policy:"

   a. a description of the parameters changed (composition of materials, new pollutants emitted, change in stack/exhaust parameters, etc.);

b. documentation of its evaluation and determination that the changed emissions unit still satisfies the "Air Toxic Policy"; and

c. where computer modeling is performed, a copy of the resulting computer model runs that show the results of the application of the "Air Toxic Policy" for the change.

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None