State of Ohio Environmental Protection Agency

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Columbus, OH 43216-1049

9/5/2008

Certified Mail
Facility ID: 0302020143
Permit Number: P0086667
County: Allen

Kevin Bruin
Ford Motor Co.-Lima
1155 Bible Road
Lima, OH 45801

RE: PRELIMINARY PROPOSED AIR POLLUTION TITLE V PERMIT
Permit Type: Renewal

Dear Permit Holder:

Enclosed is the Ohio EPA Preliminary Proposed Title V permit that was issued in draft form on 5/2/2008. The comment period for the Draft permit has ended. We are now ready to submit this permit to U.S. EPA for approval.

We are submitting this for your review and comment. If you do not agree with the Preliminary Proposed Title V permit as written, you now have the opportunity to raise your concerns. This permit has been posted to the Division of Air Pollution Control (DAPC) Web page http://www.epa.state.oh.us/dapc in Microsoft Word and Adobe Acrobat format. Comments will be accepted as a marked-up copy of the permit or in narrative format. Any comments must be sent to the following within 14 days of your receipt of this letter:

Andrew Hall
Permit Review/Development Section
Ohio EPA, DAPC
50 West Town Street, Suite 700
Columbus, Ohio 43215

and

Ohio EPA DAPC, Northwest District Office
347 North Dunbridge Road
Bowling Green, OH 43402

If you believe that it is necessary to have an informal conference with us, then, as part of your written comments, you should request a conference concerning the written comments.

If comments are not submitted within 14 days of your receipt of this letter, we will forward the proposed permit to U.S. EPA for approval. All comments received will be carefully considered before proceeding with the proposed permit.

Sincerely,

Michael W. Ahern

Michael W. Ahern, Manager
Permit Issuance and Data Management Section, DAPC

Cc: Ohio EPA DAPC, Northwest District Office

State of Ohio Environmental Protection Agency
Division of Air Pollution Control

PRELIMINARY PROPOSED

Air Pollution Title V Permit
for
Ford Motor Co.-Lima

Facility ID: 0302020143
Permit Number: P0086667
Permit Type: Renewal
Issued: 9/5/2008
Effective: To be entered upon final issuance
Expiration: To be entered upon final issuance

State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Air Pollution Title V Permit
for
Ford Motor Co.-Lima

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Authorization

Facility ID: 0302020143
Facility Description: Engine Manufacturing and Testing.
Application Number(s): A0017460, A0017461, A0017462
Permit Number: P0086667
Permit Description: Renewal Title V Application
Permit Type: Renewal
Issue Date: 9/5/2008
Effective Date: To be entered upon final issuance
Expiration Date: To be entered upon final issuance
Superseded Permit Number:

This document constitutes issuance of an OAC Chapter 3745-77 Title V permit to:

Ford Motor Co.-Lima
1155 Bible Road
Lima, OH 45801

Ohio EPA District Office or local air agency responsible for processing and administering your permit:

Ohio EPA DAPC, Northwest District Office
347 North Dunbridge Road
Bowling Green, OH 43402
(419)352-8461

The above named entity is hereby granted a Title V permit pursuant to Chapter 3745-77 of the Ohio Administrative Code. This permit and the authorization to operate the air contaminant sources (emissions units) at this facility shall expire at midnight on the expiration date shown above. You will be sent a notice approximately 18 months prior to the expiration date regarding the renewal of this permit. If you do not receive a notice, please contact the Ohio EPA DAPC, Northwest District Office. If a renewal permit is not issued prior to the expiration date, the permittee may continue to operate pursuant to OAC rule 3745-77-08(E) and in accordance with the terms of this permit beyond the expiration date, if a timely renewal application is submitted. A renewal application will be considered timely if it is submitted no earlier than 18 months (540 days) and no later than 6 months (180 days) prior to the expiration date.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Chris Korleski
Director

A. Standard Terms and Conditions

1. Federally Enforceable Standard Terms and Conditions

a) All Standard Terms and Conditions are federally enforceable, with the exception of those listed below which are enforceable under State law only:

(1) Standard Term and Condition A. 24., Reporting Requirements Related to Monitoring and Record Keeping Requirements of State-Only Enforceable Permit Terms and Conditions

(2) Standard Term and Condition A. 25., Records Retention Requirements for State-Only Enforceable Permit Terms and Conditions

(3) Standard Term and Condition A. 27., Scheduled Maintenance/Malfunction Reporting

(4) Standard Term and Condition A. 29., Additional Reporting Requirements When There Are No Deviations of Federally Enforceable Emission Limitations, Operational Restrictions, or Control Device Operating Parameter Limitations
(Authority for term: ORC 3704.036(A))

2. Monitoring and Related Record Keeping and Reporting Requirements

a) Except as may otherwise be provided in the terms and conditions for a specific emissions unit (i.e., in section C. Emissions Unit Terms and Conditions of this Title V permit), the permittee shall maintain records that include the following, where applicable, for any required monitoring under this permit:

(1) The date, place (as defined in the permit), and time of sampling or measurements.

(2) The date(s) analyses were performed.

(3) The company or entity that performed the analyses.

(4) The analytical techniques or methods used.

(5) The results of such analyses.

(6) The operating conditions existing at the time of sampling or measurement.
(Authority for term: OAC rule 3745-77-07(A)(3)(b)(i))

b) Each record of any monitoring data, testing data, and support information required pursuant to this permit shall be retained for a period of five years from the date the record was created. Support information shall include all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. Such records may be maintained in computerized form.
(Authority for term: OAC rule 3745-77-07(A)(3)(b)(ii))

c) The permittee shall submit required reports in the following manner:

(1) All reporting required in accordance with OAC rule 3745-77-07(A)(3)(c) for deviations caused by malfunctions shall be submitted in the following manner:

Any malfunction, as defined in OAC rule 3745-15-06(B)(1), shall be promptly reported to the Ohio EPA in accordance with OAC rule 3745-15-06. In addition, to fulfill the OAC rule 3745-77-07(A)(3)(c) deviation reporting requirements for malfunctions, written reports that identify each malfunction that occurred during each calendar quarter (including each malfunction reported only verbally in accordance with OAC rule 3745-15-06) shall be submitted (i.e., postmarked) by January 31, April 30, July 31, and October 31 of each year in accordance with Standard Term and Condition A.2.c)(2) below; and each report shall cover the previous calendar quarter. An exceedance of the visible emission limitations specified in OAC rule 3745-17-07(A)(1) that is caused by a malfunction is not a violation and does not need to be reported as a deviation if the owner or operator of the affected air contaminant source or air pollution control equipment complies with the requirements of OAC rule 3745-17-07(A)(3)(c).

In accordance with OAC rule 3745-15-06, a malfunction reportable under OAC rule 3745-15-06(B) constitutes a violation of an emission limitation (or control requirement) and, therefore, is a deviation of the federally enforceable permit requirements. Even though verbal notifications and written reports are required for malfunctions pursuant to OAC rule 3745-15-06, the written reports required pursuant to this term must be submitted quarterly to satisfy the prompt reporting provision of OAC rule 3745-77-07(A)(3)(c).

In identifying each deviation caused by a malfunction, the permittee shall specify the emission limitation(s) (or control requirement(s)) for which the deviation occurred, describe each deviation, and provide the magnitude and duration of each deviation. For a specific malfunction, if this information has been provided in a written report that was submitted in accordance with OAC rule 3745-15-06, the permittee may simply reference that written report to identify the deviation. Nevertheless, all malfunctions, including those reported only verbally in accordance with OAC rule 3745-15-06, must be reported in writing on a quarterly basis.

Any scheduled maintenance, as referenced in OAC rule 3745-15-06(A)(1), that results in a deviation from a federally enforceable emission limitation (or control requirement) shall be reported in the same manner as described above for malfunctions.

(Authority for term: OAC rule 3745-77-07(A)(3)(c))

(2) Except as may otherwise be provided in the terms and conditions for a specific emissions unit (i.e., in section C. Emissions Unit Terms and Conditions of this Title V permit or, in some cases, in section B. Facility-Wide Terms and Conditions of this Title V permit), all reporting required in accordance with OAC rule 3745-77-07(A)(3)(c) for deviations of the emission limitations, operational restrictions, and control device operating parameter limitations shall be submitted in the following manner:

Written reports of (a) any deviations from federally enforceable emission limitations, operational restrictions, and control device operating parameter limitations, (b) the probable cause of such deviations, and (c) any corrective actions or preventive measures taken, shall be promptly made to the appropriate Ohio EPA District Office or local air agency. Except as provided below, the written reports shall be submitted (i.e., postmarked) by January 31, April 30, July 31, and October 31 of each year; and each report shall cover the previous calendar quarter.

In identifying each deviation, the permittee shall specify the emission limitation(s), operational restriction(s), and/or control device operating parameter limitation(s) for which the deviation occurred, describe each deviation, and provide the estimated magnitude and duration of each deviation.

These written deviation reports shall satisfy the requirements of OAC rule 3745-77-07(A)(3)(c) pertaining to the submission of monitoring reports every six months and to the prompt reporting of all deviations. Full compliance with OAC rule 3745-77-07(A)(3)(c) requires reporting of all other deviations of the federally enforceable requirements specified in the permit as required by such rule.

If an emissions unit has a deviation reporting requirement for a specific emission limitation, operational restriction, or control device operating parameter limitation that is not on a quarterly basis (e.g., within 30 days following the end of the calendar month, or within 30 or 45 days after the exceedance occurs), that deviation reporting requirement satisfies the reporting requirements specified in this Standard Term and Condition for that specific emission limitation, operational restriction, or control device parameter limitation. Following the provisions of that non-quarterly deviation reporting requirement will also satisfy (for the deviations so reported) the requirements of OAC rule 3745-77-07(A)(3)(c) pertaining to the submission of monitoring reports every six months and to the prompt reporting of all deviations, and additional quarterly deviation reports for that specific emission limitation, operational restriction, or control device parameter limitation are not required pursuant to this Standard Term and Condition.

See A.29 below if no deviations occurred during the quarter.
(Authority for term: OAC rule 3745-77-07(A)(3)(c))

(3) All reporting required in accordance with the OAC rule 3745-77-07(A)(3)(c) for other deviations of the federally enforceable permit requirements which are not reported in accordance with Standard Term and Condition A.2)c)(2) above shall be submitted in the following manner:

Unless otherwise specified by rule, written reports that identify deviations of the following federally enforceable requirements contained in this permit; Standard Terms and Conditions: A.3, A.4, A.5, A.7.e), A.8, A.13, A.15, A.19, A.20, A.21, and A.23 of this Title V permit, as well as any deviations from the requirements in section C. Emissions Unit Terms and Conditions of this Title V permit, and any monitoring, record keeping, and reporting requirements, which are not reported in accordance with Standard Term and Condition A.2.c)(2) above shall be submitted (i.e., postmarked) to the appropriate Ohio EPA District Office or local air agency by January 31 and July 31 of each year; and each report shall cover the previous six calendar months. Unless otherwise specified by rule, all other deviations from federally enforceable requirements identified in this permit shall be submitted annually as part of the annual compliance certification, including deviations of federally enforceable requirements not specifically addressed by permit or rule for the insignificant activities or emissions levels (IEU) identified in section B. Facility-Wide Terms and Conditions of this Title V permit. Annual reporting of deviations is deemed adequate to meet the deviation reporting requirements for IEUs unless otherwise specified by permit or rule.

In identifying each deviation, the permittee shall specify the federally enforceable requirement for which the deviation occurred, describe each deviation, and provide the magnitude and duration of each deviation.

These semi-annual and annual written reports shall satisfy the reporting requirements of OAC rule 3745-77-07(A)(3)(c) for any deviations from the federally enforceable requirements contained in this permit that are not reported in accordance with Standard Term and Condition A.2.c)(2) above.

If no such deviations occurred during a six-month period, the permittee shall submit a semi-annual report which states that no such deviations occurred during that period.
(Authority for term: OAC rules 3745-77-07(A)(3)(c)(i) and (ii) and OAC rule 3745-77-07(A)(13)(b))

(4) 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 (including any written malfunction reports required by OAC rule 3745-15-06 that are referenced in the deviation reports) are true, accurate, and complete."
(Authority for term: OAC rule 3745-77-07(A)(3)(c)(iv))

(5) Reports of any required monitoring and/or record keeping information shall be submitted to Ohio EPA DAPC, Northwest District Office.
(Authority for term: OAC rule 3745-77-07(A)(3)(c))

3. Scheduled Maintenance

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. Except as provided in OAC rule 3745-15-06(A)(3), any scheduled maintenance necessitating the shutdown or bypassing of any air pollution control system(s) shall be accompanied by the shutdown of the emissions unit(s) that is (are) served by such control system(s). Any scheduled maintenance, as defined in OAC rule 3745-15-06(A)(1), that results in a deviation from a federally enforceable emission limitation (or control requirement) shall be reported in the same manner as described for malfunctions in Standard Term and Condition A.2.c)(1) above.
(Authority for term: OAC rule 3745-77-07(A)(3)(c))

4. Risk Management Plans

If applicable, the permittee shall 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"); and, pursuant to 40 C.F.R. 68.215(a), the permittee shall submit either of the following:

a) a compliance plan for meeting the requirements of 40 C.F.R. Part 68 by the date specified in 40 C.F.R. 68.10(a) and OAC 3745-104-05(A); or

b) as part of the compliance certification submitted under 40 C.F.R. 70.6(c)(5), a certification statement that the source is in compliance with all requirements of 40 C.F.R. Part 68 and OAC Chapter 3745-104, including the registration and submission of the risk management plan.

(Authority for term: OAC rule 3745-77-07(A)(4))

5. 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.
(Authority for term: OAC rule 3745-77-07(A)(5))

6. 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.
(Authority for term: OAC rule 3745-77-07(A)(6))

7. 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, in accordance with Standard Term and Condition A.11 below. 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.

f) Except as otherwise indicated below, this Title V permit, or permit modification, is effective for five years from the original effective date specified in the permit. In the event that this facility becomes eligible for non-title V permits, this permit shall cease to be enforceable when:

(1) the permittee submits an approved facility-wide potential to emit analysis supporting a claim that the facility no longer meets the definition of a "major source" as defined in OAC rule 3745-77-01(W) based on the permanent shutdown and removal of one or more emissions units identified in this permit; or

(2) the permittee no longer meets the definition of a "major source" as defined in OAC rule 3745-77-01(W) based on obtaining restrictions on the facility-wide potential(s) to emit that are federally enforceable or legally and practically enforceable ; or

(3) a combination of (1) and (2) above.

The permittee shall continue to comply with all applicable OAC Chapter 3745-31 requirements for all regulated air contaminent sources once this permit ceases to be enforceable. The permittee

shall comply with any residual requirements, such as quarterly deviation reports, semi-annual deviation reports, and annual compliance certifications covering the period during which this Title V permit was enforceable. All records relating to this permit must be maintained in accordance with law.
(Authority for term: OAC rule 3745-77-01(W), OAC rule 3745-77-07(A)(3)(b)(ii), OAC rule 3745-77(A)(7))

8. 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.
(Authority for term: OAC rule 3745-77-07(A)(8))

9. Marketable Permit Programs

No revision of this permit is required under any approved economic incentive, marketable permits, emissions trading, and other similar programs or processes for changes that are provided for in this permit.
(Authority for term: OAC rule 3745-77-07(A)(9))

10. Reasonably Anticipated Operating Scenarios

The permittee is hereby authorized to make changes among operating scenarios authorized in this permit without notice to the Ohio EPA, but, contemporaneous with making a change from one operating scenario to another, the permittee must record in a log at the permitted facility the scenario under which the permittee is operating. The permit shield provided in these standard terms and conditions shall apply to all operating scenarios authorized in this permit.
(Authority for term: OAC rule 3745-77-07(A)(10))

11. Reopening for Cause

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

a) Additional applicable requirements under the Act become applicable to one or more emissions units covered by this permit, and this permit has a remaining term of three or more years. Such a reopening shall be completed not later than eighteen (18) months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions has been extended pursuant to paragraph (E)(1) of OAC rule 3745-77-08.

b) This permit is issued to an affected source under the acid rain program and additional requirements (including excess emissions requirements) become applicable. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into the permit, and shall not require a reopening of this permit.

c) The Director of the Ohio EPA or the Administrator of the U.S. EPA determines that the federally applicable requirements in this permit are based on a material mistake, or that inaccurate statements were made in establishing the emissions standards or other terms and conditions of this permit related to such federally applicable requirements.

d) The Administrator of the U.S. EPA or the Director of the Ohio EPA determines that this permit must be revised or revoked to assure compliance with the applicable requirements.

(Authority for term: OAC rules 3745-77-07(A)(12) and 3745-77-08(D))

12. 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.

(Authority for term: OAC rule 3745-77-07(B))

13. Compliance Requirements

a) Any document (including reports) required to be submitted and required by a federally applicable requirement in this Title V permit shall include a certification by a responsible official that, based on information and belief formed after reasonable inquiry, the statements in the document are true, accurate, and complete.

b) Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the Director of the Ohio EPA or an authorized representative of the Director to:

(1) 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.

(2) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit, subject to the protection from disclosure to the public of confidential information consistent with paragraph (E) of OAC rule 3745-77-03.

(3) Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit.

(4) 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:

(1) Dates for achieving the activities, milestones, or compliance required in any schedule of compliance, and dates when such activities, milestones, or compliance were achieved.

(2) An explanation of why any dates in any schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.

d) Compliance certifications concerning the terms and conditions contained in this permit that are federally enforceable emission limitations, standards, or work practices, shall be submitted to the

Director (the appropriate Ohio EPA District Office or local air agency) and the Administrator of the U.S. EPA in the following manner and with the following content:

(1) Compliance certifications shall be submitted annually on a calendar year basis. The annual certification shall be submitted (i.e., postmarked) on or before April 30th of each year during the permit term.

(2) Compliance certifications shall include the following:

(a) An identification of each term or condition of this permit that is the basis of the certification.

(b) The permittee's current compliance status.

(c) Whether compliance was continuous or intermittent.

(d) The method(s) used for determining the compliance status of the source currently and over the required reporting period.

(e) Such other facts as the Director of the Ohio EPA may require in the permit to determine the compliance status of the source.

(3) Compliance certifications shall contain such additional requirements as may be specified pursuant to sections 114(a)(3) and 504(b) of the Act.

(Authority for term: OAC rules 3745-77-07(C)(1),(2),(4) and (5) and ORC section 3704.03(L))

14. Permit Shield

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

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

(Authority for term: OAC rule 3745-77-07(F))

15. Operational Flexibility

The permittee is authorized to make the changes identified in OAC rule 3745-77-07(H)(1)(a) to (H)(1)(c) within the permitted stationary source without obtaining a permit revision, if such change is not a modification under any provision of Title I of the Act [as defined in OAC rule 3745-77-01(JJ)], and does not result in an exceedance of the emissions allowed under this permit (whether expressed therein as a rate of emissions or in terms of total emissions), and the permittee provides the Administrator of the U.S. EPA and the appropriate Ohio EPA District Office or local air agency with written notification within a minimum of seven days in advance of the proposed changes, unless the change is associated with, or in response to, emergency conditions. If less than seven days notice is provided because of a need to respond more quickly to such emergency conditions, the permittee shall provide notice to the Administrator of the U.S. EPA and the appropriate District Office of the Ohio EPA or local air agency as

soon as possible after learning of the need to make the change. The notification shall contain the items required under OAC rule 3745-77-07(H)(2)(d).
(Authority for term: OAC rules 3745-77-07(H)(1) and (2))

16. Emergencies

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

17. Off-Permit Changes

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

a) The change does not result in conditions that violate any applicable requirements or that violate any existing federally enforceable permit term or condition.

b) The permittee provides contemporaneous written notice of the change to the Director and the Administrator of the U.S. EPA, except that no such notice shall be required for changes that qualify as insignificant emissions levels or activities as defined in OAC rule 3745-77-01(U). Such written notice shall describe each such change, the date of such change, any change in emissions or pollutants emitted, and any federally applicable requirement that would apply as a result of the change.

c) The change shall not qualify for the permit shield under OAC rule 3745-77-07(F).

d) The permittee shall keep a record describing all changes made at the source that result in emissions of a regulated air pollutant subject to an applicable requirement, but not otherwise regulated under the permit, and the emissions resulting from those changes.

e) The change is not subject to any applicable requirement under Title IV of the Act or is not a modification under any provision of Title I of the Act.

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

18. Compliance Method Requirements

Nothing in this permit shall alter or affect the ability of any person to establish compliance with, or a violation of, any applicable requirement through the use of credible evidence to the extent authorized by law. Nothing in this permit shall be construed to waive any defenses otherwise available to the permittee, including but not limited to, any challenge to the Credible Evidence Rule (see 62 Fed. Reg. 8314, Feb. 24, 1997), in the context of any future proceeding.
(This term is provided for informational purposes only.)

19. Insignificant Activities or Emissions Levels

Each IEU that has one or more applicable requirements shall comply with those applicable requirements.
(Authority for term: OAC rule 3745-77-07(A)(1))

20. Permit to Install Requirement

Prior to the "installation" or "modification" of any "air contaminant source," as those terms are defined in OAC rule 3745-31-01, a permit to install must be obtained from the Ohio EPA pursuant to OAC Chapter 3745-31.
(Authority for term: OAC rule 3745-77-07(A)(1))

21. 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.
(Authority for term: OAC rule 3745-77-07(A)(1))

22. Permanent Shutdown of an Emissions Unit

The permittee may notify Ohio EPA of any emissions unit that is permanently shut down by submitting a certification from the responsible official that identifies the date on which the emissions unit was permanently shut down. Authorization to operate the affected emissions unit shall cease upon the date certified by the responsible official that the emissions unit was permanently shut down.

After the date on which an emissions unit is permanently shut down (i.e., that has been physically removed from service or has been altered in such a way that it can no longer operate without a subsequent "modification" or "installation" as defined in OAC Chapter 3745-31 and therefore ceases to meet the definition of an "emissions unit" as defined in OAC rule 3745-77-01(O)), rendering existing permit terms and conditions irrelevant, the permittee shall not be required, after the date of the certification and submission to Ohio EPA, to meet any Title V permit requirements applicable to that emissions unit, except for any residual requirements, such as the quarterly deviation reports, semi-annual deviation reports and annual compliance certification covering the period during which the emissions unit last operated. All records relating to the shutdown emissions unit, generated while the emissions unit was in operation, must be maintained in accordance with law.

No emissions unit certified by the responsible official as being permanently shut down may resume operation without first applying for and obtaining a permit to install pursuant to OAC Chapter 3745-31.
(Authority for term: OAC rule 3745-77-01)

23. Title VI Provisions

If applicable, the permittee shall comply with the standards for recycling and reducing emissions of ozone depleting substances pursuant to 40 CFR Part 82, Subpart F, except as provided for motor vehicle air conditioners in Subpart B of 40 CFR Part 82:

a) Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices specified in 40 CFR 82.156.

b) Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment specified in 40 CFR 82.158.

c) Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161.

(Authority for term: OAC rule 3745-77-01(H)(11))

24. Reporting Requirements Related to Monitoring and Record Keeping Requirements Under State Law Only

The permittee shall submit required reports in the following manner:

a) Reports of any required monitoring and/or record keeping information shall be submitted to the 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 (i) any deviations (excursions) from emission limitations, operational restrictions, and control device operating parameter limitations that have been detected by the testing, monitoring, and record keeping requirements specified in this permit, (ii) the probable cause of such deviations, and (iii) 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. In identifying each deviation, the permittee shall specify the applicable requirement for which the deviation occurred, describe each deviation, and provide the magnitude and duration of each deviation. 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 (i.e., postmarked) quarterly, 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.)

25. Records Retention Requirements Under State Law Only

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.

26. Inspections and Information Requests

The Director of the Ohio EPA, or an authorized representative of the Director, may, subject to the safety requirements of the permittee and without undue delay, enter upon the premises of this source at any reasonable time for purposes of making inspections, conducting tests, examining records or reports

pertaining to any emission of air contaminants, and determining compliance with any applicable State air pollution laws and regulations and the terms and conditions of this permit. The permittee shall furnish to the Director of the Ohio EPA, or an authorized representative of the Director, upon receipt of a written request and within a reasonable time, any information that may be requested to determine whether cause exists for modifying, reopening or revoking this permit or to determine compliance with this permit. Upon verbal or written request, the permittee shall also furnish to the Director of the Ohio EPA, or an authorized representative of the Director, copies of records required to be kept by this permit.
(Authority for term: OAC rule 3745-77-07(C))

27. Scheduled Maintenance/Malfunction Reporting

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

28. 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.
(Authority for term: OAC rule 3745-77-01(C))

29. Additional Reporting Requirements When There Are No Deviations of Federally Enforceable Emission Limitations, Operational Restrictions, or Control Device Operating Parameter Limitations

If no emission limitation (or control requirement), operational restriction and/or control device parameter limitation 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 (i.e., postmarked) by January 31, April 30, July 31, and October 31 of each year; and each report shall cover the previous calendar quarter.

The permittee is not required to submit a quarterly report which states that no deviations occurred during that quarter for the following situations:

a) where an emissions unit has deviation reporting requirements for a specific emission limitation, operational restriction, or control device parameter limitation that override the deviation reporting requirements specified in Standard Term and Condition A.2.c)(2); or

b) where an uncontrolled emissions unit has no monitoring, record keeping, or reporting requirements and the emissions unit's applicable emission limitations are established at the potentials to emit; or

c) where the company's responsible official has certified that an emissions unit has been permanently shut down.

B. Facility-Wide Terms and Conditions

1. All the following facility-wide terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only:

   a) 4.

2. Pursuant to 40 CFR, Part 64, the permittee has submitted, and the Ohio EPA has approved a compliance assurance monitoring plan for emissions unit P050 and P051 at this facility. The permittee shall comply with the provisions of the plan during any operation of the aforementioned emissions units.

   Authority for term: 40 CFR Part 64

3. The following insignificant emissions units at this facility must comply with all applicable State and federal regulations, and well as any emission limitations and/or control requirements contained within the identified permit to install or permit by rule for the emissions unit. The insignificant emissions units listed below are subject to one or more applicable requirement contained in a permit-to-install or in the SIP-approved versions of OAC Chapters 3745-17, 3745-18, and 3745-21.

   a) B005 - B028: 9.9 mmBtu/hr, natural gas fired-heating units (PTI #03-9634);

   b) B029 - B039: 5.4 mmBtu/hr, natural gas fired-heating units (PTI #03-9634);

   c) B040 - B041 - 4.32 mmBtu/hr, natural gas fired-heating units (PTI #03-9634);

   d) B042 - 2.7 mmBtu/hr, natural gas fired-heating unit (PTI #03-9634);

   e) B043 - B045: 9.65 mmBtu/hr, natural gas fired-heating units (PTI #03-9634);

   f) P064 - engine machining operation with dust collection system (DC-4) (PTI #03-13820);

   g) P071 - engine machining operation with dust collection system (DC-13) (PTI #03-13820);

   h) P072 - engine machining operation with dust collection system (DC-14) (PTI #03-13820);

   i) P095 - engine machining operation with oil mist collection system (MC-26) (PTI #03-13820);

   j) P096 - engine machining operation with oil mist collection system (MC-28) (PTI #03-13820);

   k) P097 - engine machining operation with oil mist collection system (MC-29) (PTI #03-13820);

   l) P102 - engine machining operation with oil mist collection system (MC-34) (PTI #03-13820);

   m) P103 - engine machining operation with oil mist collection system (MC-35) (PTI #03-13820);

   n) P104 - engine machining operation with oil mist collection system (MC-36) (PTI #03-13820);

   o) P105 - engine machining operation with oil mist collection system (MC-37) (PTI #03-13820);

   p) P106 - engine machining operation with oil mist collection system (MC AA-38) (PTI #03-16010);

   q) P107 - engine machining operation with oil mist collection system (MC AA-29) (PTI #03-16010);

   r) P108 - engine machining operation with oil mist collection system (MC AA-35) (PTI #03-16010);

   s) P110 - engine machining operation with oil mist collection system (MC BB-28) (PTI #03-16010);

t) P114 - engine machining operations with oil mist collection system (MC BB-1) (PTI #03-16010);

u) P117 - engine machining operations with oil mist collection system (DC V-3) (PTI #03-16010);

v) P118 - engine machining operations with oil mist collection system (MC Y-19) (PTI #03-16264);

w) P119 - engine machining operations with oil mist collection system (MC BB-17) (PTI #03-16264);

x) P120 - engine machining operations with oil mist collection system (MC BB-20) (PTI #03-16264);

y) P121 - engine machining operations with oil mist collection system (MC CC-19) (PTI #03-16264);

z) P122 - engine machining operations with oil mist collection system (MC BB-15) (PTI #03-16264);

aa) P123 - engine machining operations with oil mist collection system (MC CC-13) (PTI #03-16264);

bb) P124 - engine machining operations with oil mist collection system (MC BB-7) (PTI #03-16266);

cc) P125 - engine machining operations with oil mist collection system (MC Z-8) (PTI #03-16266);

dd) P126 - engine machining operations with oil mist collection system (MC Y-8) (PTI #03-16266);

ee) P127 - engine machining operations with oil mist collection system (MC V-8) (PTI #03-16266);

ff) P128 - engine machining operations with oil mist collection system (MC AA-12) (PTI #03-16266);

gg) P129 - engine machining operations with oil mist collection system (MC W-8) (PTI #03-16266);

hh) P130 - engine machining operations with oil mist collection system (MC BB-5) (PTI #03-17195);

ii) P131 – distillate oil fired firefighting water pump, 275 HP, at North Pump House #1 East – PBR ID#1676;

jj) P132 – distillate oil fired firefighting water pump, 275 HP, at North Pump House #2 West – PBR ID#1677;

kk) P133 – distillate oil fired firefighting water pump, 275 HP, at South Pump House #3 West - PBR ID#1678;

ll) P134 – distillate oil fired firefighting water pump, 275 HP, at South Pump House #4 East - PBR ID#1679;

mm) P135 – natural gas fired emergency electrical generator, 60 kw, at Substation #1 (roof) - PBR ID#1680;

nn) P136 – natural gas fired emergency electrical generator, 60 kw, at Substation #4 - PBR ID#1681;

oo) P137 – natural gas fired emergency electrical generator, 65 kw, at Substation #6 - PBR ID#1682;

pp) P138 – natural gas fired emergency electrical generator, 189 kw, at Substation #7 (roof) - PBR ID#1683;

qq) P139 – natural gas fired emergency electrical generator, 189 kw, at Substation #9 (roof) - PBR ID#1684;

rr) P140 - natural gas fired emergency electrical generator, 45 kw, at Substation #13 (roof) - PBR ID#1685; and

ss) Z050 - miscellaneous gasoline IC engines less than 20 hp.

[OAC rule 3745-77-07(A)(13), PTI #03-9634, PTI #03-13820, PTI #03-16010, PTI #03-16264, PTI #03-16266, and PTI #03-17195]

4. The following insignificant emissions units located at this facility are exempt from permit requirements because they are not subject to any applicable requirements or because they meet the "de minimis" criteria established in OAC rule 3745-15-05:

a) B004 - gas space heaters;

b) T001 - T002 - gasoline storage and supply systems (PTI #03-4758);

c) T003 - engine oil storage tank;

d) T005 - soluble oil storage tank;

e) T006, T007, T009 - engine oil storage tanks;

f) T008 - lube oil storage tank;

g) T010 - mineral seal oil storage tank;

h) T011 - hydraulic oil storage tanks;

i) Z021 - WWTP storage and treatment tanks;

j) Z023 - diesel storage and fueling operations;

k) Z033 - maintenance solvent cold cleaners;

l) Z034 - ink-jet printer stations;

m) Z038 - detergent washers;

n) Z039 - coolant storage and recirculation system;

o) Z042 - tool room;

p) Z046 - gas space heaters (49);

q) Z047 - miscellaneous machining operations;

r) Z048 - miscellaneous diesel IC engines less than 13.48 hp;

s) Z049 - miscellaneous natural gas IC engines less than 14.57 hp;

t) Z051 - quarry operations with storage piles and roadway;

u) Z052 - cooling towers (5 units, 3 systems);

v) Z053 - aluminum chip wringing system; and

w) Z054 - dynanmometer gasoline head tank.

C. Emissions Unit Terms and Conditions

1. P050, Dynamometer Test Cells (WEST SIDE)

Operations, Property and/or Equipment Description:

WEST - Dynamometer Test Cells... Note: (cells in operation on the East side P051 & cells in operation on the West side P050)

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

(1) g)(1).

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operations(s), property, and/or equipment that constitute each emissions unit along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3) (PTI #03-16144, issued on 5/11/04)	40.8 lbs nitrogen oxides (NOX)/hr 3.4 lbs organic compounds (OC)/hr 21.1 lbs carbon monoxide (CO)/hr See b)(2)a. and b)(2)b.
b.	OAC rule 3745-31-05(D) (PTI #03-16144, issued on 5/11/04)	Group emission limits for P050 and P051 combined [See b)(2)c.]
c.	OAC rule 3745-17-11(B)	none [See b)(2)d.]
d.	OAC rule 3745-17-07(A)	none [See b)(2)e.]
e.	OAC rule 3745-18-06(G)	See b)(2)f.
f.	OAC rule 3745-21-08(B)	See b)(2)g.
g.	40 CFR Part 64 - Compliance Assurance Monitoring (CAM)	See d)(2) through d)(8), e)(2) and e)(3).

(2) Additional Terms and Conditions

a. The "Best Available Technology" (BAT) control requirement for this emissions unit has been determined to be the use of a thermal incinerator. The thermal incinerator shall be capable of achieving a minimum overall control efficiency of 95%, by weight, for OC (100% capture and 95% destruction efficiency) and a minimum overall control efficiency of 95% for CO (100% capture and 95% destruction efficiencies for CO). All emissions from the 4 west block engine testing cells shall be routed to the thermal incinerator. BAT requirements also include compliance with the terms and conditions of this permit.

b. The requirements of the rule also include compliance with the requirements of OAC rule 3745-31-05(C).

c. The emissions from emissions units P050 and P051 combined shall not exceed the following:

i. 38.3 tons of NOx per year, based upon a rolling, 12-month summation of the monthly emissions;

ii. 19.8 tons of CO per year, based upon a rolling, 12-month summation of the monthly emissions; and,

iii. 3.2 tons of OC per year, based upon a rolling, 12-month summation of the monthly emissions.

For purposes of federally enforceability a limitation on OCs effectively restricts VOCs.

OAC rule 3745-31-05(C) establishes federally enforceable restrictions to limit the potential to emit from the emissions units contained in this permit to install by limiting fuel usage [see c)(2)] for purposes of avoiding "Prevention of Significant Deterioration" (PSD) applicability.

d. The uncontrolled mass rate of particulate emissions from this emissions unit is less than 10 lbs per hour. Therefore, pursuant to OAC rule 3745-17-11(A)(2)(a)(ii), Figure II of OAC rule 3745-17-11 does not apply. Table I of OAC rule 3745-17-11 does not apply because the process weight rate, as defined in OAC rule 3745-17-01(B)(14), is equal to zero.*

* The only materials introduced into this process are gaseous fuels and liquid fuels that are used solely as fuels for the purpose of combustion.

e. This emissions unit is exempt from the visible particulate emissions limitations specified in OAC rule 3745-17-07(A), pursuant to OAC rule 3745-17-07(A)(3)(h), because the emissions unit is not subject to the requirements of OAC rule 3745-17-11.

f. This emissions unit is exempt from the requirements of OAC rule 3745-18-06(G) pursuant to OAC rule 3745-18-06(B).

g. The permittee has satisfied the "best available control techniques and operating practices" required pursuant to OAC rule 3745-21-08(B) by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05(A)(3) in permit to install #03-16144.

On November 5, 2002, OAC rule 3745-21-08 was revised to delete paragraph (B); therefore, paragraph (B) is no longer part of the State regulations. However, that rule revision has not yet been submitted to the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revisions to OAC rule 3745-21-08, the requirement to satisfy the "best available control techniques and operating practices" still exists as part of the federally-approved SIP for Ohio.

c) Operational Restrictions

(1) None of the 4 west block engine testing cells shall operate whenever the average combustion temperature within the thermal incinerator is more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated the emissions unit was in compliance. This condition shall be met by operating and maintaining the existing interlock system on the thermal incinerator which shuts down the emissions unit when the combustion temperature is below the required level.

[OAC rule 3745-77-07(A)(1), 40 CFR Part 64, and PTI #03-16144]

(2) The maximum annual gallons of fuel used in emissions units P050 and P051 combined shall not exceed 150,000 gallons per year, based upon a rolling 12-month summation of the monthly fuel usage.

The permittee shall demonstrate compliance upon start-up under the provisions of this permit by using existing records for determining the rolling 12-month summation of the monthly fuel usage. Therefore, it is not necessary to establish federally enforceable restrictions for the first 12 months of operation under the provisions of this permit.

[OAC rule 3745-77-07(A)(1) and PTI #03-16144]

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall maintain monthly records of the following information for this emission units P050 and P051 combined:

a. the fuel usage each month, in gallons;

b. the rolling, 12- month summation of the fuel usage, in gallons;

c. the calculated, controlled monthly emission rate for NOx, CO, and OC using the established emission factors of 0.51 lbs NOx/gallon of fuel burned, 5.27 lbs CO/gallon of fuel burned, 0.86 lbs OC/gallon of fuel burned, and applying the overall control efficiency of the incinerators (95% for CO and OC); and,

d. the rolling, 12- month summation of the emission rates for NOx, CO, and OC in tons.

[OAC rule 3745-77-07(C)(1) and PTI #03-16144]

(2) The permittee shall operate and maintain a continuous temperature monitor and recorder which measures and records the combustion temperature within the thermal oxidizer when the emissions unit is in operation. Units shall be in degrees Fahrenheit. The monitoring and recording devices shall be capable of accurately measuring the desired parameter. The temperature monitor and recorder shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, with any modifications deemed necessary by the permittee.

[OAC rule 3745-77-07(C)(1), 40 CFR Part 64, and PTI #03-16144]

(3) The permittee shall collect and record the following information for each day:

a. all 3-hour blocks of time during which the average combustion temperature within the thermal oxidizer, when the emissions unit was in operation, was more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated the emissions unit was in compliance; and,

b. a log of the downtime for the capture (collection) system, control device, and monitoring equipment, when the associated emissions unit was in operation.

[OAC rule 3745-77-07(C)(1), 40 CFR Part 64, and PTI #03-16144]

(4) The permittee shall maintain a log of the activation of the interlock system when the emissions unit is not shut down. This log shall include the date, time, and duration of each such period.

[OAC rule 3745-77-07(C)(1), 40 CFR Part 64, and PTI #03-16144]

(5) The permittee shall, on a quarterly basis, test the interlock system to ensure that the emissions unit does shut down whenever the average combustion temperature within the thermal incinerator is more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated the emissions unit was in compliance.

[OAC rule 3745-77-07(C)(1), 40 CFR Part 64, and PTI #03-16144]

(6) The CAM plan for this emissions unit has been developed for carbon monoxide (CO). The CAM performance indicator for the regenerative thermal oxidizer controlling this emissions unit is the combustion temperature, which was established in accordance with the manufacturer's recommendations. When the combustion temperature shows operation outside the indicator range(s), the permittee shall take corrective actions to restore operation of the emissions unit and/or its control equipment to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions, and shall comply with the reporting requirements specified in Section e) below. The emissions unit and control equipment shall be operated in accordance with the approved CAM Plan, or any approved revision of the Plan. The regenerative thermal oxidizer shall not be configured to have bypass capability.

[OAC 3745-77-07(C)(1) and 40 CFR Part 64]

(7) At all times, the permittee shall maintain the monitoring equipment, including but not limited to, maintaining necessary parts for routine repairs of the monitoring equipment.

[OAC 3745-77-07(C)(1) and 40 CFR Part 64]

(8) If the permittee identifies a failure to achieve compliance with an emission limitation or standard for which the approved monitoring did not provide an indication of an excursion or exceedance, the permittee shall promptly notify the appropriate Ohio EPA District Office or local air agency, and if necessary, submit a proposed modification to the Title V permit to address the necessary monitoring changes. Such a modification may include, but is not limited to, re-establishing indicator ranges or designated conditions, modifying

the frequency of conducting monitoring and collecting data, or the monitoring of additional parameters.

[OAC 3745-77-07(C)(1) and 40 CFR Part 64]

e) Reporting Requirements

(1) The permittee shall submit deviation (excursion) reports which identify the following exceedances:

a. the rolling, 12-month fuel usage limitation; and

b. the rolling, 12-month NOx, CO, and OC emissions.

[OAC rule 3745-77-07(C)(1) and PTI #03-16144]

(2) The permittee shall submit quarterly deviation (excursion) reports that identify the following:

a. all 3-hour blocks of time during which the average combustion temperature within the thermal oxidizer, when the emissions unit was in operation, was more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated the emissions unit was in compliance; and

b. a record of the downtime for the capture (collection) system, control device, and monitoring equipment when the associated emissions unit was in operation (date, time, and duration).

[OAC rule 3745-77-07(C)(1), 40 CFR Part 64, and PTI #03-16144]

(3) The permittee shall submit quarterly deviation (excursion) reports that identify all periods of time when the interlock system was activated and the emissions unit was not shut down.

[OAC rule 3745-77-07(C)(1), 40 CFR Part 64, and PTI #03-16144]

(4) These deviation (excursion) reports shall be submitted in accordance with the Standard Terms and Conditions of this permit.

[OAC rule 3745-77-07(C)(1) and PTI #03-16144]

f) Testing Requirements

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

a. The emission testing shall be conducted within 18 months prior to permit expiration. Further testing may be requested in accordance with Engineering Guide #16.

b. The emission testing shall be conducted to demonstrate compliance with the allowable hourly mass emission rates of NOx.

c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s):

i. NOx: Methods 1 through 4 and 7 of 40 CFR Part 60, Appendix A.

Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.

d. The test(s) shall be conducted on either the East Block or West Block of cells while the emissions unit is operating at the "worst case" emission rate, unless otherwise specified or approved by the Ohio EPA Northwest District Office. As part of the "Intent to Test" notification described below, the permittee shall provide documentation as to which block of cells is proposed to be tested, and the operational scenario under which the testing will take place.

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

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

g. A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the Ohio EPA Northwest District Office within 60 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the Ohio EPA Northwest District Office.

[OAC rule 3745-77-07(C)(1) and PTI #03-16144]

(2) Compliance with the emission limitations in Section b)(1) of the terms and conditions of this permit shall be determined in accordance with the following methods:

a. Emission Limitation:

40.8 lbs NOX/hr

Applicable Compliance Method:

The permittee shall demonstrate compliance with the hourly emission limitation by conducting emission testing in accordance with the requirements in section f)(1).

[OAC rule 3745-77-07(C)(1) and PTI #03-16144]

b. Emission Limitation:

3.4 lbs OC/hr and 21.1 lbs CO/hr

Applicable Compliance Method:

Compliance with the hourly emission limitations shall be determined by multiplying the emission factors established by the permittee of 5.27 lbs CO/gallon of fuel burned and 0.86 lbs OC/gallon of fuel burned, by the maximum gallon usage rate of 80 gallons of fuel/hr and applying the overall control efficiency of 95%. If required, the permittee shall demonstrate compliance by testing in accordance with appropriate USEPA test methods.

[OAC rule 3745-77-07(C)(1) and PTI #03-16144]

c. Emission Limitation:

Group Emission Limits for P050 and P051 combined of 38.3 tons NOx, 19.8 tons CO and 3.2 tons OC per rolling 12-month period.

d. Applicable Compliance Method:

The permittee shall demonstrate compliance with the annual emission limitations in accordance with the record keeping requirements in section d)(5).

[OAC rule 3745-77-07(C)(1) and PTI #03-16144]

g) Miscellaneous Requirements

(1) Modeling to demonstrate compliance with the Ohio EPA's "Air Toxic Policy" was not necessary because the permit's maximum annual emissions for each toxic compound will be less than 1.0 ton. OAC Chapter 3745-31 requires permittees to apply for and obtain a new or modified permit to install prior to making a "modification" as defined by OAC rule 3745-31-01. The permittee is hereby advised that changes in the composition of the materials, or use of new materials, that would cause the emissions of any pollutant that has a listed TLV to increase to above 1.0 ton per year may require the permittee to apply for and obtain a new permit to install.

2. P051, Dynamometer Test Cell (EAST SIDE)

Operations, Property and/or Equipment Description:

EAST - Dynamometer Test Cells... Note: (cells in operation on the East side P051 & cells in operation on the West side P050)

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

(1) g)(1).

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operations(s), property, and/or equipment that constitute each emissions unit along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3) (PTI #03-16144, issued on 5/11/04)	40.8 lbs nitrogen oxides (NOX)/hr 3.4 lbs organic compounds (OC)/hr 21.1 lbs carbon monoxide (CO)/hr See b)(2)a. and b)(2)b.
b.	OAC rule 3745-31-05(D) (PTI #03-16144, issued on 5/11/04)	Group emission limits for P050 and P051 combined [See b)(2)c.]
c.	OAC rule 3745-17-11(B)	none [See b)(2)d.]
d.	OAC rule 3745-17-07(A)	none [See b)(2)e.]
e.	OAC rule 3745-18-06(G)	See b)(2)f.
f.	OAC rule 3745-21-08(B)	See b)(2)g.
g.	40 CFR Part 64 - Compliance Assurance Monitoring (CAM)	See d)(2) through d)(8), e)(2), and e)(3).

(2) Additional Terms and Conditions

a. The "Best Available Technology" (BAT) control requirement for this emissions unit has been determined to be the use of a thermal incinerator. The thermal incinerator shall be capable of achieving a minimum overall control efficiency of 95%, by weight, for OC (100% capture and 95% destruction efficiency) and a minimum overall control efficiency of 95% for CO (100% capture and 95% destruction efficiencies for CO). All emissions from the 4 west block engine testing cells shall be routed to the thermal incinerator. BAT requirements also include compliance with the terms and conditions of this permit.

b. The requirements of the rule also include compliance with the requirements of OAC rule 3745-31-05(C).

c. The emissions from emissions units P050 and P051 combined shall not exceed the following:

i. 38.3 tons of NOx per year, based upon a rolling, 12-month summation of the monthly emissions;

ii. 19.8 tons of CO per year, based upon a rolling, 12-month summation of the monthly emissions; and,

iii. 3.2 tons of OC per year, based upon a rolling, 12-month summation of the monthly emissions.

For purposes of federally enforceability a limitation on OCs effectively restricts VOCs.

OAC rule 3745-31-05(C) establishes federally enforceable restrictions to limit the potential to emit from the emissions units contained in this permit to install by limiting fuel usage [see c)(2)] for purposes of avoiding "Prevention of Significant Deterioration" (PSD) applicability.

d. The uncontrolled mass rate of particulate emissions from this emissions unit is less than 10 lbs per hour. Therefore, pursuant to OAC rule 3745-17-11(A)(2)(a)(ii), Figure II of OAC rule 3745-17-11 does not apply. Table I of OAC rule 3745-17-11 does not apply because the process weight rate, as defined in OAC rule 3745-17-01(B)(14), is equal to zero.*

* The only materials introduced into this process are gaseous fuels and liquid fuels that are used solely as fuels for the purpose of combustion.

e. This emissions unit is exempt from the visible particulate emissions limitations specified in OAC rule 3745-17-07(A), pursuant to OAC rule 3745-17-07(A)(3)(h), because the emissions unit is not subject to the requirements of OAC rule 3745-17-11.

f. This emissions unit is exempt from the requirements of OAC rule 3745-18-06(G) pursuant to OAC rule 3745-18-06(B).

g. The permittee has satisfied the "best available control techniques and operating practices" required pursuant to OAC rule 3745-21-08(B) by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05(A)(3) in permit to install #03-16144.

On November 5, 2002, OAC rule 3745-21-08 was revised to delete paragraph (B); therefore, paragraph (B) is no longer part of the State regulations. However, that rule revision has not yet been submitted to the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revisions to OAC rule 3745-21-08, the requirement to satisfy the "best available control techniques and operating practices" still exists as part of the federally-approved SIP for Ohio.

c) Operational Restrictions

(1) None of the 4 west block engine testing cells shall operate whenever the average combustion temperature within the thermal incinerator is more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated the emissions unit was in compliance. This condition shall be met by operating and maintaining the existing interlock system on the thermal incinerator which shuts down the emissions unit when the combustion temperature is below the required level.

[OAC rule 3745-77-07(A)(1), 40 CFR Part 64, and PTI #03-16144]

(2) The maximum annual gallons of fuel used in emissions units P050 and P051 combined shall not exceed 150,000 gallons per year, based upon a rolling 12-month summation of the monthly fuel usage.

The permittee shall demonstrate compliance upon start-up under the provisions of this permit by using existing records for determining the rolling 12-month summation of the monthly fuel usage. Therefore, it is not necessary to establish federally enforceable restrictions for the first 12 months of operation under the provisions of this permit.

[OAC rule 3745-77-07(A)(1) and PTI #03-16144]

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall maintain monthly records of the following information for this emission units P050 and P051 combined:

a. the fuel usage each month, in gallons;

b. the rolling, 12- month summation of the fuel usage, in gallons;

c. the calculated, controlled monthly emission rate for NOx, CO, and OC using the established emission factors of 0.51 lbs NOx/gallon of fuel burned, 5.27 lbs CO/gallon of fuel burned, 0.86 lbs OC/gallon of fuel burned, and applying the overall control efficiency of the incinerators (95% for CO and OC); and,

d. the rolling, 12- month summation of the emission rates for NOx, CO, and OC in tons.

[OAC rule 3745-77-07(C)(1) and PTI #03-16144]

(2) The permittee shall operate and maintain a continuous temperature monitor and recorder which measures and records the combustion temperature within the thermal oxidizer when the emissions unit is in operation. Units shall be in degrees Fahrenheit. The monitoring and recording devices shall be capable of accurately measuring the desired parameter. The temperature monitor and recorder shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, with any modifications deemed necessary by the permittee.

[OAC rule 3745-77-07(C)(1), 40 CFR Part 64, and PTI #03-16144]

(3) The permittee shall collect and record the following information for each day:

a. all 3-hour blocks of time during which the average combustion temperature within the thermal oxidizer, when the emissions unit was in operation, was more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated the emissions unit was in compliance; and,

b. a log of the downtime for the capture (collection) system, control device, and monitoring equipment, when the associated emissions unit was in operation.

[OAC rule 3745-77-07(C)(1), 40 CFR Part 64, and PTI #03-16144]

(4) The permittee shall maintain a log of the activation of the interlock system when the emissions unit is not shut down. This log shall include the date, time, and duration of each such period.

[OAC rule 3745-77-07(C)(1), 40 CFR Part 64, and PTI #03-16144]

(5) The permittee shall, on a quarterly basis, test the interlock system to ensure that the emissions unit does shut down whenever the average combustion temperature within the thermal incinerator is more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated the emissions unit was in compliance.

[OAC rule 3745-77-07(C)(1), 40 CFR Part 64, and PTI #03-16144]

(6) The CAM plan for this emissions unit has been developed for carbon monoxide (CO). The CAM performance indicator for the regenerative thermal oxidizer controlling this emissions unit is the combustion temperature, which was established in accordance with the manufacturer's recommendations. When the combustion temperature shows operation outside the indicator range(s), the permittee shall take corrective actions to restore operation of the emissions unit and/or its control equipment to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions, and shall comply with the reporting requirements specified in Section e) below. The emissions unit and control equipment shall be operated in accordance with the approved CAM Plan, or any approved revision of the Plan. The regenerative thermal oxidizer shall not be configured to have bypass capability.

[OAC 3745-77-07(C)(1) and 40 CFR Part 64]

(7) At all times, the permittee shall maintain the monitoring equipment, including but not limited to, maintaining necessary parts for routine repairs of the monitoring equipment.

[OAC 3745-77-07(C)(1) and 40 CFR Part 64]

(8) If the permittee identifies a failure to achieve compliance with an emission limitation or standard for which the approved monitoring did not provide an indication of an excursion or exceedance, the permittee shall promptly notify the appropriate Ohio EPA District Office or local air agency, and if necessary, submit a proposed modification to the Title V permit to address the necessary monitoring changes. Such a modification may include, but is not limited to, re-establishing indicator ranges or designated conditions, modifying the frequency of conducting monitoring and collecting data, or the monitoring of additional parameters.

[OAC 3745-77-07(C)(1) and 40 CFR Part 64]

e) Reporting Requirements

(1) The permittee shall submit deviation (excursion) reports which identify the following exceedances:

a. the rolling, 12-month fuel usage limitation; and

b. the rolling, 12-month NOx, CO, and OC emissions.

[OAC rule 3745-77-07(C)(1) and PTI #03-16144]

(2) The permittee shall submit quarterly deviation (excursion) reports that identify the following:

a. all 3-hour blocks of time during which the average combustion temperature within the thermal oxidizer, when the emissions unit was in operation, was more than 50 degrees Fahrenheit below the average temperature during the most recent emission test that demonstrated the emissions unit was in compliance; and

b. a record of the downtime for the capture (collection) system, control device, and monitoring equipment when the associated emissions unit was in operation (date, time, and duration).

[OAC rule 3745-77-07(C)(1), 40 CFR Part 64, and PTI #03-16144]

(3) The permittee shall submit quarterly deviation (excursion) reports that identify all periods of time when the interlock system was activated and the emissions unit was not shut down.

[OAC rule 3745-77-07(C)(1), 40 CFR Part 64, and PTI #03-16144]

(4) These deviation (excursion) reports shall be submitted in accordance with the Standard Terms and Conditions of this permit.

[OAC rule 3745-77-07(C)(1) and PTI #03-16144]

f) Testing Requirements

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

a. The emission testing shall be conducted within 18 months prior to permit expiration. Further testing may be requested in accordance with Engineering Guide #16.

b. The emission testing shall be conducted to demonstrate compliance with the allowable hourly mass emission rates of NOx.

c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s):

NOx: Methods 1 through 4 and 7 of 40 CFR Part 60, Appendix A.

d. Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.

e. The test(s) shall be conducted on either the East Block or West Block of cells while the emissions unit is operating at the "worst case" emission rate, unless otherwise specified or approved by the Ohio EPA Northwest District Office. As part of the "Intent to Test" notification described below, the permittee shall provide documentation as to which block of cells is proposed to be tested, and the operational scenario under which the testing will take place.

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

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

h. A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the Ohio EPA Northwest District Office within 60 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the Ohio EPA Northwest District Office.

[OAC rule 3745-77-07(C)(1) and PTI #03-16144]

(2) Compliance with the emission limitations in Section b)(1) of the terms and conditions of this permit shall be determined in accordance with the following methods:

a. Emission Limitation:

40.8 lbs NOX/hr

Applicable Compliance Method:

The permittee shall demonstrate compliance with the hourly emission limitation by conducting emission testing in accordance with the requirements in section f)(1).

[OAC rule 3745-77-07(C)(1) and PTI #03-16144]

b. Emission Limitation:

3.4 lbs OC/hr and 21.1 lbs CO/hr

Applicable Compliance Method:

Compliance with the hourly emission limitations shall be determined by multiplying the emission factors established by the permittee of 5.27 lbs CO/gallon of fuel burned and 0.86 lbs OC/gallon of fuel burned, by the maximum gallon usage rate of 80 gallons of fuel/hr and applying the overall control efficiency of 95%. If required, the permittee shall demonstrate compliance by testing in accordance with appropriate USEPA test methods.

[OAC rule 3745-77-07(C)(1) and PTI #03-16144]

c. Emission Limitation:

Group Emission Limits for P050 and P051 combined of 38.3 tons NOx, 19.8 tons CO and 3.2 tons OC per rolling 12-month period.

Applicable Compliance Method:

The permittee shall demonstrate compliance with the annual emission limitations in accordance with the record keeping requirements in section d)(5).

[OAC rule 3745-77-07(C)(1) and PTI #03-16144]

g) Miscellaneous Requirements

(1) Modeling to demonstrate compliance with the Ohio EPA's "Air Toxic Policy" was not necessary because the permit's maximum annual emissions for each toxic compound will be less than 1.0 ton. OAC Chapter 3745-31 requires permittees to apply for and obtain a new or modified permit to install prior to making a "modification" as defined by OAC rule 3745-31-01. The permittee is hereby advised that changes in the composition of the materials, or use of new materials, that would cause the emissions of any pollutant that has a listed TLV to increase to above 1.0 ton per year may require the permittee to apply for and obtain a new permit to install.

3. P111, P111 - MC Y-26 (D35 BLOCK 120-130)

Operations, Property and/or Equipment Description:

Mist Collector Y-26 (MC Y-26) for Engine Machining Operations

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

(1) d)(4), d)(5), and d)(6).

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operations(s), property, and/or equipment that constitute each emissions unit along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3) (PTI #03-16010, issued 4/29/04)	0.20 lb particulate emissions (PE)/hr and 0.88 ton PE/yr 1.21 lb organic compounds (OC)/hr and 5.30 tons OC/yr Visible particulate emissions shall not exceed 10% opacity, as a six-minute average. See b)(2)a.
b.	OAC rule 3745-17-07(A)	See b)(2)b.
c.	OAC rule 3745-17-11(B)(1)	See b)(2)c.
d.	OAC rule 3745-21-07(G)(2)	See b)(2)c. and b)(2)d.
e.	ORC 3704.03(F) OAC rule 3745-114-01	See d)(4), d)(5), and d)(6).

(2) Additional Terms and Conditions

a. Best Available Technology (BAT) for this emissions unit has been determined to be maximum outlet grain loadings of 0.0007 gr PE/acf and 0.0044 gr OC/acf.

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

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

d. The requirements established under OAC rule 3745-21-07 shall cease to be effective and federally enforceable on the date the U.S. EPA approves the current rule as a revision to the Ohio SIP for the control of organic compounds.

c) Operational Restrictions

(1) None.

d) 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.

[OAC rule 3745-77-07(C)(1) and PTI #03-16010]

(2) Notwithstanding the frequency of the monitoring and record keeping requirements specified in section d)(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 d)(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.

[OAC rule 3745-77-07(C)(1) and PTI #03-16010]

(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 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.

[OAC rule 3745-77-07(C)(1) and PTI #03-16010]

(4) 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): 7.5*

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 4,107

MAGLC (ug/m3): 13,633.3

*The hourly emission rate represents a combined rate from all of the oil mist collectors (emissions units P106, P107, P108, P110, P111, P112, P113, P114, and P116).

(5) 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.

(6) 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.

e) 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.

[OAC rule 3745-77-07(C)(1) and PTI #03-16010]

f) Testing Requirements

(1) Compliance with the emission limitations in section b)(1) of the terms and conditions of this permit shall be determined in accordance with the following methods:

a. Emission Limitations:

0.20 lb PE/hr and 0.88 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/acf 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 Methods 1-4 and 5 of 40 CFR, Part 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.

[OAC rule 3745-77-07(C)(1) and PTI #03-16010]

b. Emission Limitations:

1.21 lb OC/hr and 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/acf 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 Methods 1-4 and 18, 25, or 25A, as appropriate, of 40 CFR, Part 60, Appendix A.

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.

[OAC rule 3745-77-07(C)(1) and PTI #03-16010]

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.

[OAC rule 3745-77-07(C)(1) and PTI #03-16010]

g) Miscellaneous Requirements

(1) None.

4. P116, P116 - MC W-03 (D35 CRANK 10, 120 - 160, 200 & 220)

Operations, Property and/or Equipment Description:

Mist Collector W-03 (MC W-03) for Engine Machining Operations

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

(1) d)(5), d)(6), and d)(7).

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operations(s), property, and/or equipment that constitute each emissions unit along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3) (PTI #03-16010, issued 4/29/04)	0.11 lb particulate emissions (PE)/hr and 0.48 ton PE/yr 1.59 lbs organic compounds (OC)/hr and 6.96 ton OC/yr Visible particulate emissions shall not exceed 10% opacity, as a six-minute average. See b)(2)a.
b.	OAC rule 3745-17-07(A)	See b)(2)b.
c.	OAC rule 3745-17-11(B)(1)	See b)(2)c.
d.	OAC rule 3745-21-07(G)(2)	See b)(2)c and b)(2)d.
e.	ORC 3704.03(F) OAC rule 3745-114-01	See d)(5), d)(6), and d)(7).

(2) Additional Terms and Conditions

a. Best Available Technology (BAT) for this emissions unit has been determined to be maximum outlet grain loadings of 0.0007 gr PE/acf and 0.01 gr OC/acf.

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

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

d. The requirements established under OAC rule 3745-21-07 shall cease to be effective and federally enforceable on the date the U.S. EPA approves the current rule as a revision to the Ohio SIP for the control of organic compounds.

c) Operational Restrictions

(1) None.

d) 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.

[OAC rule 3745-77-07(C)(1) and PTI #03-16010]

(2) Notwithstanding the frequency of the monitoring and record keeping requirements specified in section d)(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 d)(1), on a weekly basis.

(3) 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.

[OAC rule 3745-77-07(C)(1) and PTI #03-16010]

(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.

[OAC rule 3745-77-07(C)(1) and PTI #03-16010]

(5) 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): 7.5*

Predicted 1-Hour Maximum Ground-Level Concentration (ug/m3): 4,107

MAGLC (ug/m3): 13,633.3

*The hourly emission rate represents a combined rate from all of the oil mist collectors (emissions units P106, P107, P108, P110, P111, P112, P113, P114, and P116).

(6) 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.

(7) 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.

e) 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.

[OAC rule 3745-77-07(C)(1) and PTI #03-16010]

f) Testing Requirements

(1) Compliance with the emission limitations in section b)(1) of the terms and conditions of this permit shall be determined in accordance with the following methods:

a. Emission Limitations:

0.11 lb PE/hr and 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/acf by the maximum volumetric air flow rate of 18500 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 1-4 and 5 of 40 CFR, Part 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.

[OAC rule 3745-77-07(C)(1) and PTI #03-16010]

b. Emission Limitations:

1.59 lb OC/hr and 6.96 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/acf by the maximum volumetric air flow rate of 18500 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 1-4 and 18, 25, or 25A, as appropriate, of 40 CFR, Part 60, Appendix A.

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.

[OAC rule 3745-77-07(C)(1) and PTI #03-16010]

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.

[OAC rule 3745-77-07(C)(1) and PTI #03-16010]

g) Miscellaneous Requirements

(1) None.

5. R005, Maintenance Paint Booth

Operations, Property and/or Equipment Description:

Maintenance Paint Spray Booth.

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operations(s), property, and/or equipment that constitute each emissions unit along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-21-09(U)(2)(e)	Coatings usage shall not exceed 10 gallons per day
b.	OAC rule 3745-17-11(B)(1)	0.551 lb of particulate emissions (PE)/hr
c.	OAC rule 3745-17-07(A)	Visible PE shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.
d.	OAC rule 3745-31-05 (PTI #03-4515, issued on 10/4/89)	The requirements established pursuant to this rule are equivalent to the requirements of OAC rules 3745-17-11(B)(1), 3745-17-07(A) and 3745-21-09(U)(2)(e).

(2) Additional Terms and Conditions

a. None.

c) Operational Restrictions

(1) The permittee shall operate the dry filtration system whenever this emissions unit is in operation.

[OAC rule 3745-77-07(A)(1)]

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall collect and record the following information for each day the coating line is in operation:

a. the name and identification number of each coating employed.

b. the volume, in gallons, of each coating employed.

c. the total volume, in gallons, of all the coatings employed.

[OAC rule 3745-77-07(C)(1)]

(2) The permittee shall maintain records that document any time periods when the dry filtration system was not in service when the emissions unit was in operation.

[OAC rule 3745-77-07(C)(1)]

e) Reporting Requirements

(1) The permittee shall notify the Director (the Ohio EPA, Northwest District Office) in writing of any daily record showing that the coating line employed more than the applicable maximum daily coatings usage restriction of 10 gallons. The notification shall include a copy of such record and shall be sent to the Director (the Ohio EPA, Northwest District Office) within 45 days after the exceedance occurs.

[OAC rule 3745-77-07(C)(1)]

(2) The permittee shall notify the Director (the Ohio EPA, Northwest District Office) in writing of any record showing that the dry filtration system was not in service when the emissions unit was in operation. The notification shall include a copy of such record and shall be sent to the Director (the Ohio EPA, Northwest District Office) within 30 days after the event occurs.

[OAC rule 3745-77-07(C)(1)]

f) Testing Requirements

(1) Compliance with the emission limitations in Section b)(1) of the terms and conditions of this permit shall be determined in accordance with the following methods:

a. Emission Limitation:

Coatings usage shall not exceed 10 gallons per day

Applicable Compliance Method:

Compliance shall be based upon the record keeping requirements specified in Section d)(1) of this permit.

[OAC rule 3745-77-07(C)(1)]

b. Emission Limitation:

0.551 lb of PE/hr

Applicable Compliance Method:

The permittee may demonstrate compliance with the hourly allowable PE limitation by utilizing the following equation:

E = (maximum coating solids usage rate, in lbs/hr) x (1- TE) x (1- CE)

where:

E = PE rate (lbs/hr)

TE = transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used (assumed to be 60%, considering 40 CFR 60.453)

CE = control efficiency of the control equipment (assumed to be 90%)

If required, the permittee shall demonstrate compliance with the hourly allowable PE limitation above pursuant to OAC rule 3745-17-03(B)(10).

[OAC rule 3745-77-07(C)(1)]

c. Emission Limitation:

Visible PE shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.

Applicable Compliance Method:

If required, the permittee shall demonstrate compliance with the visible emissions limitation above in accordance with the methods specified in OAC rule 3745-17-03(B)(1).

[OAC rule 3745-77-07(C)(1)]

g) Miscellaneous Requirements

(1) None.