John R. Kasich, Governor
Mary Taylor, Lt. Governor
Craig W. Butler, Interim Director

1/14/2014

Genevieve Damico *Via E-Mail Notification*
United States Environmental Protection Agency
Mail Code: AR-18J
77 West Jackson Blvd.
Chicago, IL 60604-3507

RE: PROPOSED AIR POLLUTION TITLE V PERMIT
Facility Name: Honda Transmission Mfg. of America Inc.
Facility ID: 0546000101
Permit Type: Renewal
Permit Number: P0114858

Dear Ms. Damico:

A proposed OAC Chapter 3745-77 Title V permit for the referenced facility has been issued for review by U.S. EPA. This permit can be accessed electronically on the Division of Air Pollution Control (DAPC) Web page, www.epa.ohio.gov/dapc by clicking the "Search for Permits" link under the Permitting topic on the Programs tab. If U.S. EPA does not object to this proposed permit, the permit will be processed for issuance as a final action not less than 45 days from the date of this letter. Please contact me at (614) 644-3631 by the end of the 45 day review period if you wish to object to the proposed permit.

Sincerely,

Michael W. Ahern

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

Cc: Ohio EPA DAPC, Southwest District Office

PROPOSED

Division of Air Pollution Control
Title V Permit
for
Honda Transmission Mfg. of America Inc.

Facility ID:	0546000101
Permit Number:	P0114858
Permit Type:	Renewal
Issued:	1/14/2014
Effective:	To be entered upon final issuance
Expiration:	To be entered upon final issuance

Division of Air Pollution Control
Title V Permit
for
Honda Transmission Mfg. of America Inc.

Table of Contents

Authorization 1

A. Standard Terms and Conditions 2

1. Federally Enforceable Standard Terms and Conditions 3
2. Monitoring and Related Record Keeping and Reporting Requirements 3
3. Reporting of Any Exceedence of a Federally Enforceable Emission Limitation or Control Requirement Resulting From Scheduled Maintenance 6
4. Risk Management Plans 7
5. Title IV Provisions 7
6. Severability Clause 7
7. General Requirements 7
8. Fees 8
9. Marketable Permit Programs 9
10. Reasonably Anticipated Operating Scenarios 9
11. Reopening for Cause 9
12. Federal and State Enforceability 10
13. Compliance Requirements 10
14. Permit Shield 11
15. Operational Flexibility 11
16. Emergencies 12
17. Off-Permit Changes 12
18. Compliance Method Requirements 13
19. Insignificant Activities or Emissions Levels 13
20. Permit to Install Requirement 13
21. Air Pollution Nuisance 13
22. Permanent Shutdown of an Emissions Unit 13
23. Title VI Provisions 14
24. Reporting Requirements Related to Monitoring and Record Keeping Requirements Under State Law Only 14
25. Records Retention Requirements Under State Law Only 14
26. Inspections and Information Requests 15
27. Scheduled Maintenance/Malfunction Reporting For State-Only Requirements 15
28. Permit Transfers 15

29. Additional Reporting Requirements When There Are No Deviations of Federally Enforceable Emission Limitations, Operational Restrictions, or Control Device Operating Parameter Limitations 15
30. Submitting Documents Required by this Permit 16
B. Facility-Wide Terms and Conditions 17
C. Emissions Unit Terms and Conditions 19
1. P026, Dynamometer #1, 2 & 3 20
2. P036, 2000 Ton Cutting & Forging Press 27
3. P082, High Pressure Die Cast Aluminum Melt Furnace 31
4. P083, Carb 6 - Carburizing Furnace 36
5. P095, Carb 9 - Carburizing Furnace 42
6. Emissions Unit Group -Carburizing Furnaces: P027,P028,P029,P030,P031,P033,P034, ... 52
7. Emissions Unit Group -Washer Group: L002,L003,L004, ... 60

Authorization

Facility ID:	0546000101
Facility Description:	Transmission manufacturer
Application Number(s):	A0047863
Permit Number:	P0114858
Permit Description:	Title V Renewal permit for a transmission manufacturing facility
Permit Type:	Renewal
Issue Date:	1/14/2014
Effective Date:	To be entered upon final issuance
Expiration Date:	To be entered upon final issuance
Superseded Permit Number:	P0105494

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

Honda Transmission Mfg. of America Inc.
6964 State Route 235 North
Russells Point, OH 43348

Ohio Environmental Protection Agency (EPA)District Office or local air agency responsible for processing and administering your permit:

Ohio EPA DAPC, Southwest District Office
401 East Fifth Street
Dayton, OH 45402
(937)285-6357

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, Southwest 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 and no later than 6 months prior to the expiration date.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Craig W. Butler
Interim 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 For State-Only Requirements

(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

(5) Standard Term and Condition A. 30.

(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 recordingsfor 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 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) 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 submittedscheduled maintenancerequests, 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 submitted promptly to the Ohio EPA DAPC, Southwest District Office. Except as provided below, the written reports shall be submitted 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 to the Ohio EPA DAPC, Southwest District Office 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." Signature by the Responsible Official may be represented by entry of the personal identification number (PIN) by the Responsible Official as part of the electronic submission process or by the scanned attestation document signed by the Responsible Official that is attached to the electronically submitted written report.

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

(5) Consistent with A.2.c.1. above, reports of any required monitoring and/or record keeping information required to be submitted to Ohio EPA shall be submitted to Ohio EPA DAPC, Southwest District Office unless otherwise specified.

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

3. Reporting of Any Exceedence of a Federally Enforceable Emission Limitation or Control Requirement Resulting From 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) 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 permitexcept as provided pursuant to A.16 below.

c) This permit may be modified, reopened, revoked, or revoked and reissued, for cause, in accordance with 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 contaminant 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 Ohio EPA DAPC, Southwest District Office 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 Ohio EPA DAPC, Southwest District Office) 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 on or before April 30th of each year during the permit term.

(2) Compliance certifications shall include the following:

a. Identification of each term or condition that is the basis of the certification. The identification may include a statement by the Responsible Official that every term and condition that is federally enforceable has been reviewed, and such terms and conditions with which there has been continuous compliance throughout the year are not separately identified.

b. The permittee's current compliance status.

c. Whether compliance was continuous or intermittentconsistent with A.13.d.2.a above.

d. The method(s) used for determining the compliance status of the source currently and over the required reporting period consistent with A.13.d.2.a above.

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 Ohio EPA DAPC, Southwest District Office 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 Ohio EPA DAPC, Southwest District Office 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 Federal Register 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 is subject to 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.

Unless otherwise exempted, noemissions unit identified in this permit that has beencertified 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 operating 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 RequirementsUnder 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 theOhio EPA DAPC, Southwest District Office.

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 Ohio EPA DAPC, Southwest District Office. 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 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 RequirementsUnder 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 For State-Only Requirements

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 Ohio EPA DAPC, Southwest District Office 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 Ohio EPA DAPC, Southwest District Office 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 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 potential to emit; or

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

30. Submitting Documents Required by this Permit

All applications, notifications or reports required by terms and conditions in this permit to be submitted or "reported in writing" are to be submitted to Ohio EPA through the Ohio EPA's eBusiness Center: Air Services web service ("Air Services"). Ohio EPA will accept hard copy submittals on an as-needed basis if the permittee cannot submit the required documents through the Ohio EPA eBusiness Center. In the event ofan alternative hard copy submission in lieu of the eBusiness Center, the post-marked date or the date the document is delivered in person will be recognized as the date submitted. Electronic submission of applications, notifications, or reports required to be submitted to Ohio EPA fulfills the requirement to submit the required information to the Director, the Ohio EPA DAPC, Southwest District Office, and/or any other individual or organization specifically identified as an additional recipient identified in this permit unless otherwise specified. Consistent with OAC rule 3745-15-03, the required application, notification or report is considered to be "submitted" on the date the submission is successful using a valid electronic signature. Signature by the Responsible Official may be represented as provided through procedures established in Air Services.

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) None.

2. The following are facility-wide terms and conditions:

   a) Each insignificant emissions unit 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 for the emissions unit. Insignificant emissions units listed above that are not subject to specific permit to install requirements are subject to one or more applicable requirements contained in the federally-approved versions of OAC Chapters 3745-17, 3745-18, and/or 3745-21. The following emissions units are defined as insignificant emission units at this facility and meet the requirements of either an exemption under OAC rule 3745-31-03 or have a uncontrolled potential of less than 5 tons per year as defined under OAC rule 3745-77-01(U):

      (1) B052, Diesel Emergency Generator #3 (Mezz);

      (2) B053, Diesel Emergency Generator #4 (Potable water Pump House);

      (3) B054, Diesel Emergency Generator #5 (DTX);

      (4) B055, Diesel Emergency Generator #6 (Forging);

      (5) B056, Diesel Emergency Generator #7 (IW);

      (6) B057, Diesel Emergency Fire Pump #3;

      (7) B058, Natural Gas Usage

      (8) B059, Emergency Generator #8 (CVT Building)

      (9) B060, Emergency Generator #9 (HPDC)

      (10) B061, Emergency Fire Pump #2

3. Pursuant to 40 CFR Part 64, the permittee has submitted and the Ohio EPA has approved a compliance assurance monitoring (CAM) plan for emissions unit P026. The permittee shall comply with the provisions of the plan (as specified in Part C- Terms and Conditions for Emissions Unit P026) during any operation of the aforementioned emissions unit.

C. Emissions Unit Terms and Conditions

1. P026, Dynamometer #1, 2 & 3

Operations, Property and/or Equipment Description:

Transmission testing dynamometer with three stands and thermal oxidizer Terms in this permit supersede those of PTI 05-12917 issued on 7/1/04.

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 operation(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 are identified below. 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) and PTIO P0105494.	Particulate emissions (PE) shall not exceed 0.44 pounds per hour and 1.93 tons per year. Sulfur dioxide (SO2) emissions shall not exceed 0.29 pounds per hour and 1.27 tons per year. Nitrogen oxide (NOx) emissions shall not exceed 5.55 pounds per hour and 24.31 tons per year. Volatile Organic compounds (VOC) emissions shall not exceed 0.98 pounds per hour and 4.29 tons per year. Carbon monoxide (CO) emissions shall not exceed 16.54 pounds per hour and 72.45 tons per year. b)(2)a, and b)(2)e, below.
b.	OAC rule 3745-17-07(A)	b)(2)b, below.
c.	OAC rule 3745-17-11	b)(2)c, below.
d.	OAC rule 3745-18-06(G)	b)(2)d, below.
e.	OAC rule 3745-21-07(B)	b)(2)f, below.
f.	40 CFR Part 64	See Facility Wide Terms B.3, and b(2)e., d)(1), d)(2), and e)(1).

(2) Additional Terms and Conditions

a. The pound per hour and ton per year limitations reflect the potential to emit for this emissions unit. Therefore, it is not necessary to establish record keeping and reporting requirements to ensure compliance with these limitations.

[Authority for term 3745-77-07(A)(3), PTIO P0105494]

b. This emissions unit is exempt from the visible particulate emission 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.

[Authority for term 3745-77-07(A)(1), PTIO P0105494]

c. The uncontrolled mass rate of PE from this emissions unit is less than 10 pounds per hour. Therefore, pursuant to OAC rule 3745-17-11(A)(2)(a)(I), Figure II of OAC rule 3745-17-11 does not apply. In addition, Table I of OAC rule 3745-17-11 does not apply because the process weight, 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.

[Authority for term 3745-77-07(A)(1), PTIO P0105494]

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

[Authority for term 3745-77-07(A)(1), PTIO P0105494]

e. The use of the thermal oxidizer on this emissions unit constitutes part of BAT requirements of OAC rule 3745-31-05(A)(3). The use of the thermal oxidizer is required as part of the Compliance Assurance Monitoring (CAM) Plan.

[Authority for term 40 CFR 64, 3745-77-07(A)(3), PTIO P0105494]

f. On February 18, 2008, OAC rule 3745-21-07 was revised to delete paragraph (G); therefore, paragraph (G) is no longer part of the State regulations. However, that rule revision has not been approved by the U.S.EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs to OAC rule 3745-21-07, the requirement of the previous OAC rule 3745-21-07(G) still exists as part of the federally-approved SIP for Ohio.

Once the February 18, 2008, revised OAC rule 3745-21-07, or modified version of OAC rule 3745-21-07 is approved by the U.S. EPA and Ohio's State Implementation Plan (SIP) is revised, the terms and conditions within this permit which are required by previous OAC rule 3745-21-07(G) will not be required and will not be federally and/or state enforceable.

Once the February 18, 2008, revised OAC rule 3745-21-07, or modified version of OAC rule 3745-21-07 is approved by the U.S. EPA and Ohio's State Implementation Plan (SIP) is revised, the permittee shall take immediate steps to assure compliance with any and all requirements of the revised OAC rule and/or SIP.

[Authority for term 3745-77-07(A)(1), PTIO P0105494]

c) Operational Restrictions

(1) The permittee shall employ only unleaded fuel when operating this emissions unit.

[Authority for term 3745-77-07(A)(1), PTIO P0105494]

d) Monitoring and/or Recordkeeping Requirements

(1) 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.

[Authority for term 40 CFR 64, 3745-77-07(A)(3), PTIO P0105494]

(2) 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 incinerator, 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.

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

For each day when the permittee burns a fuel other than unleaded fuel when operating this emissions unit, the permittee shall maintain a record of the type and quantity of fuel burned.

[Authority for term 40 CFR 64, 3745-77-07(A)(3), PTIO P0105494]

e) Reporting Requirements

(1) The permittee shall submit quarterly deviation (excursion) reports that identify all 3-hour blocks of time during which the average combustion temperature within the thermal oxidizer was more than 50 degrees Fahrenheit below the average temperature during

the most recent emission test that demonstrated the emissions unit was in compliance. These reports shall be submitted in accordance with Part I, General Terms and Conditions, of this permit.

[Authority for term 40 CFR 64, 3745-77-07(A)(3), PTIO P0105494]

(2) The permittee shall submit deviation (excursion) reports to Ohio EPA, Southwest District Office, that identify each day when a fuel other than unleaded fuel was burned in this emissions unit. Each report shall be submitted within 30 days after the event occurs.

[Authority for term 3745-77-07(A)(3)(c), PTIO P0105494]

(3) If no deviations (excursions) occurred during a calendar quarter, the permittee shall submit a report that states that no deviations (excursions) occurred during the quarter.

The quarterly reports shall be submitted (postmarked) each year by the thirty-first of January (covering October to December), the thirtieth of April (covering January to March), the thirty-first of July (covering April to June), and the thirty-first of October (covering July to September), unless an alternative schedule has been established and approved by the director (the appropriate district office or local air agency).

[Authority for term 3745-77-07(A)(3)(c), PTIO P0105494]

f) Testing Requirements

(1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

a. Emissions Limitations:

0.44 lb of PE/hr and 1.93 TPY PE;

0.29 lb of SO2/hr and 1.27 TPY SO2; and

5.55 lbs of NOx/hr and 24.31 TPY NOx.

Applicable Compliance Method:

The hourly PE, SO2 and NOx emission limitation were established as follows:

Er = [(EF) x (U) x (3 dyno stands) + (7,000,000 Btu/hr) x (scf/1,020 Btu) x (EE)] x (1 + SF)

Where:

Er = the maximum hourly emission rate;

EF = the emissions factor of 0.004 lb PE/gallon, 0.003 lb SO2/gal or 0.05 lbNOx/gal, as applicable (Based on June 2001 emission test at HRA-O);

U = the maximum gas usage rate of 25 gallons per hour per testing dynamometer;

EE = the emission factor for natural gas combustion, 1.9 lbs PE/million scf, 0.6 lb SO2/million scf, or 100 lbsNOx/million scf, as applicable (from AP-42, Tables 1.4-1 and 1.4-2, revised 7/98); and

SF = the safety factor of 0.25 as proposed by Honda to account for system variability.

If required, the permittee shall demonstrate compliance based on the results of emission testing conducted in accordance with Methods 5, 6, or 7, as appropriate, of 40 CFR, Part 60, Appendix A.

The annual PE, SO2 and NOx emissions limitation were established by multiplying the maximum hourly emission rate for each respective pollutant by 8,760 hours per year, and then dividing the result by 2000 lbs per ton.

b. Emissions Limitations:

0.98 lb VOC/hr and 4.29 TPY VOC

Applicable Compliance Method:

The hourly VOC emission limitation was established as follows:

Er = [(EF) x (U) x (3 dyno stands) x (1 - DRE) + (7,000,000 Btu/hr) x (scf/1,020 Btu) x (EE)] x (1 + SF)

Where:

Er = the maximum hourly VOC emission rate;

EF = the emissions factor of 0.2 lb VOC/gallon (Based on June 2001 emission test at HRA-O);

U = the maximum gas usage rate of 25 gallons per hour per testing dynamometer;

DRE = the destruction removal efficiency of the thermal oxidizer, 95% or 0.95;

EE = the emission factor for natural gas combustion, 5.5 lbs VOC/million scf (from AP-42, Table 1.4-2, revised 7/98); and

SF = the safety factor of 0.25 as proposed by Honda to account for system variability.

If required, the permittee shall demonstrate compliance based on the results of emission testing conducted in accordance with Methods 18, 25 or 25A as appropriate, of 40 CFR, Part 60, Appendix A.

The annual VOC emission limitation was established by multiplying the maximum hourly emission rate of 0.98 lb/hr by 8,760 hours per year, and then dividing the result by 2000 lbs per ton.

c. Emissions Limitations:

16.54 lbs CO/hr and 72.45 TPY CO

Applicable Compliance Method:

The hourly CO emission limitation was established as follows:

Er = [(EF) x (3 dyno stands) x (1 - DRE)] + [(7,000,000 Btu/hr) x (scf/1,020 Btu) x (EE)]

Where:

Er = the maximum hourly CO emission rate;

EF = the emissions factor of 106.4 lb/hr prior to control (Based on Honda Transmission 12/21/04 emission test results for this emissions unit with 10% increase);

DRE = the destruction removal efficiency of the thermal oxidizer, 95% or 0.95; and

EE = the emission factor for natural gas combustion, 84 lbs CO/million scf (from AP-42, Table 1.4-1, revised 7/98).

If required, the permittee shall demonstrate compliance based on the results of emission testing conducted in accordance with Methods 10, as appropriate, of 40 CFR, Part 60, Appendix A.

The annual CO emissions limitation was established by multiplying the maximum hourly emission rate of 16.54 by 8,760 hours per year, and then dividing the result by 2000 lbs per ton.

[Authority for term 3745-77-07(C), PTIO P0105494]

(2) 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 6 months of the expiration of this permit.

b. The emission testing shall be conducted to demonstrate compliance for allowable emissions limitations for CO and NOx.

c. The following test methods shall be employed to demonstrate compliance with the allowable mass emission rates for both CO and NOx and control efficiency for CO only:

i. CO: Methods 1-4 and 10 of 40 CFR Part 60, Appendix A; and

ii. NOx: Methods 1-4 and 7 or 7A 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 tests shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Ohio EPA, Southwest District Office.

[Authority for term 3745-77-07(C), PTIO P0105494]

(3) Not later than 30 days prior to the proposed test date, the permittee shall submit an "Intent to Test" notification to the Ohio EPA, Southwest 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, Southwest District Office's refusal to accept the results of the emission test(s).

Personnel from the Ohio EPA 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.

(4) 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 Ohio EPA, Southwest District Office within 30 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 Ohio EPA, Southwest District Office.

g) Miscellaneous Requirements

(1) None.

2. P036, 2000 Ton Cutting & Forging Press

Operations, Property and/or Equipment Description:

2000 Ton Hot Forging Press w/ Oil Mist Collector

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 operation(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 are identified below. 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(D) and PTI 05-14392.	The particulate emissions (PE) including 1.47 tons based upon a rolling, 12-month summation of the all materials employed in this emissions unit. The organic compound (OC) including 4.4 tons based upon a rolling, 12-month summation of the all materials employed in this emissions unit. b)(2)b., below.
b.	OAC paragraph 3745-31-05(A)(3), as effective 11/30/01	The PE emissions shall not exceed 0.33 lbs. per hour. b)(2)a. and b)(2)d., below
c.	OAC rule 3745-31-05(A)(3)(a)(ii) as effective 12/01/06	b)(2)c., below
d.	OAC rule 3745-17-07(A)(1)	Visible PE emissions from this emissions unit shall not exceed 20% opacity, as a 6-minute average.
e.	OAC rule 3745-17-11(B)(1)	The PE emissions shall not exceed 10.7 lbs per hour.

(2) Additional Terms and Conditions

a. The permittee has satisfied the Best Available Technology (BAT) requirements pursuant to OAC paragraph 3745-31-05(A)(3), as effective November 30, 2001, in this permit. On December 1, 2006, paragraph (A)(3) of OAC rule 3745-31-05

was revised to conform to ORC changes effective August 3, 2006 (S.B. 265 changes), such that BAT is no longer required by State regulations for NAAQS pollutants less than ten tons per year. However, that rule revision has not yet been approved by 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 the OAC rule 3745-31-05, the requirement to satisfy BAT still exists as part of the federally-approved SIP for Ohio. Once U.S. EPA approves the December 1, 2006, version of 3745-31-05, then these emission limits/control measures no longer apply.

[Authority for term 3745-77-07(A)(1), PTI 05-14392]

b. The emissions limits under OAC rule 3745-31-05(D) are at potential to emit.

[Authority for term 3745-77-07(A)(1), PTI 05-14392]

c. The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to the particulate or VOC emissions from this air contaminant emissions unit since the calculated maximum potential annual particulate emission rate is less than ten tons per year taking into account the data submitted by Honda of American.

[Authority for term 3745-77-07(A)(1), PTI 05-14392]

d. The hourly limitation of 0.33 pounds of PE per hour is established to reflect the potential emissions from this emissions unit. Therefore, it is not necessary to establish record keeping and reporting requirements to ensure compliance with this limitation.

c) Operational Restrictions

(1) None.

d) Monitoring and/or Recordkeeping Requirements

(1) None.

e) Reporting Requirements

(1) The quarterly reports shall be submitted (postmarked) each year by the thirty-first of January (covering October to December), the thirtieth of April (covering January to March), the thirty-first of July (covering April to June), and the thirty-first of October (covering July to September), unless an alternative schedule has been established and approved by the director (the appropriate district office or local air agency).

[Authority for term 3745-77-07(A)(3), PTI 05-14392]

f) Testing Requirements

(1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

a. Emission Limitation:

1.47 tons PE/yr

Applicable Compliance Method:

The combined hourly and rolling 12-month emission limitation was established by the following methodology:

AER= (((((Et x Mf) x 60 min/hr)/ 7000 grains/lb) x (1-70%)) x Ho)/ 2000 lbs/ton

Where:

AER= Annual Emission Rate;

Er = Emission Rate, (assumed worst case based on 0.01 grains per dscf);

Mf = Maximum Air Flow, in scfm, (13,000); and

Ho= Total 12-month rolling period hours of operation, (8760 hrs/yr).

b. Emission Limitation:

0.33 lbs. of PE/hr.

Applicable Compliance Method:

The combined hourly and rolling 12-month emission limitation was established by the following methodology:

HER=(((Et x Mf) x 60 min/hr)/ 7000 grains/lb) x (1-70%)

Where:

HER= Hourly emission rate, in pounds per hour;

Er = Emission Rate, (assumed worst case based on 0.01 grains per dscf);

Mf = Maximum Air Flow, in scfm, (13,000).

(2) Compliance with the emission limitation(s) and operational restriction specified in b)(1) and c) of this permit shall be determined in accordance with the following methods:

a. Emission Limitation:

4.4 tons OC/yr

Applicable Compliance Method:

The combined hourly and rolling 12-month emission limitation was established by the following methodology:

AER= ((Mlu * Ld *Oc)*365 days/yr)/2000

Where:

AER= Annual Emission Rate;

Mlu= Maximum potential daily lubricant usage rate, (25 gallons/day, Honda Transmission's Emissions Unit Category form);

Ld= Lubricant density, (9.66 lbs/gal, Honda Transmission's provided Data sheets); and

Oc= Worst case organic compound content, (Organic content 10% by wgt. Honda Transmission's Data sheets).

[Authority for term 3745-77-07(A)(3), PTI 35-14392]

g) Miscellaneous Requirements

(1) None.

3. P082, High Pressure Die Cast Aluminum Melt Furnace

Operations, Property and/or Equipment Description:

High Pressure Die Cast Aluminum Melt Furnace

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) b)(1)e. and d)(2).

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operation(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 are identified below. 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 paragraph 3745-31-05(A)(3), as effective 11/30/01 and PTIO: P0110914	Emissions from the combustion of natural gas in this emissions unit shall not exceed: 0.86 lbs/hr, or 3.78 TPY of PE; 0.01 lbs/hr, or 0.06 TPY of SO2; 2.16 lbs/hr, or 9.46 TPY of NOx; 1.82 lbs/hr, or 7.96 TPY of CO; and 0.12 lbs/hr, or 0.53 TPY of VOC. See Section b)(2)a, b)(2)b
b.	OAC rule 3745-31-05(A)(3)(a)(ii) as effective 12/01/06	See Section b)(2)c
c.	OAC rule 3745-17-11(B)(2)	The PE/PM10 emission limitation as specified by this rule is less stringent than the voluntary restriction under OAC rule 3745-31-05(D).
d.	OAC rule 3745-17-07(A)(1)	Visible PE emissions from this emissions unit not exceed 20% opacity, as a 6-minute average. See Section f)(1)a
e.	OAC rule 3745-114-01	Ohio Toxic Rule

(2) Additional Terms and Conditions

a. The permittee has satisfied the Best Available Technology (BAT) requirements pursuant to OAC paragraph 3745-31-05(A)(3), as effective November 30, 2001, in this permit. On December 1, 2006, paragraph (A)(3) of OAC rule 3745-31-05 was revised to conform to ORC changes effective August 3, 2006 (S.B. 265 changes), such that BAT is no longer required by State regulations for NAAQS pollutants less than ten tons per year. However, that rule revision has not yet been approved by 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 the OAC rule 3745-31-05, the requirement to satisfy BAT still exists as part of the federally-approved SIP for Ohio. Once U.S. EPA approves the December 1, 2006, version of 3745-31-05, then these emission limits/control measures no longer apply.

[Authority for term 3745-77-07(A)(1), PTIO P0110914]

b. The maximum emission rate of 0.144 pounds of PE/PM-10 per ton of aluminum processed as a voluntary restriction as proposed by the permittee for purpose of avoiding Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3).

[Authority for term 3745-77-07(A)(1), PTIO P0110914]

c. The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to the volatile organic compound (VOC), sulfur dioxide (SO2), carbon monoxide (CO), nitrogen oxide (NOx), PM10, and particulate (PE) emissions from this emissions unit since the potential emissions are less than ten tons per year.

[Authority for term 3745-77-07(A)(1), PTIO P0110914]

d. Except as provided in OAC rule 3745-17-07(A)(3), visible particulate emissions from any stack shall not exceed 20 percent opacity as a six-minute average, except:

i. visible particulate emissions may exceed 20 percent opacity, as a six-minute average, for not more than six consecutive minutes in any 60 minutes; but

ii. shall not exceed 60 percent opacity, as a six-minute average, at any time; and

iii. the presence of uncombined water shall not be deemed a violation for failure of stack emissions meeting this requirement.

[Authority for term 3745-77-07(A)(1), PTIO P0110914]

e. This emissions unit is exempt from the visible particulate emission limitations specified in OAC rule 3745-17-07(B) pursuant to OAC rule 3745-17-07(B)(11)(e), because the emissions unit is not located within areas identified in "Appendix A" of OAC rule 3745-17-08.

[Authority for term 3745-77-07(A)(1), PTIO P0110914]

c) Operational Restrictions

(1) The permittee shall burn natural gas only as a fuel for this emission unit.

[Authority for term 3745-77-07(A)(1), PTI P0110914]

d) Monitoring and/or Recordkeeping Requirements

(1) For each day during which the permittee burns a fuel other than natural gas, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

[Authority for term 3745-77-07(A)(3), PTI P0110914]

(2) Modeling to demonstrate compliance with, the “Toxic Air Contaminant Statute”, ORC 3704.03(F)(4)(b), was not necessary because the emissions unit’s maximum annual emissions for each toxic air contaminant, as defined in OAC rule 3745-114-01, will be less than 1.0 ton per year. 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 toxic air contaminant to increase to above 1.0 ton per year may require the permittee to apply for and obtain a new permit to install.

[Authority for term 3745-77-07(A)(3), PTI P0110914]

e) Reporting Requirements

(1) The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

[Authority for term 3745-77-07(A)(3), PTI P0110914]

f) Testing Requirements

(1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

a. Emission Limitation:

Except as provided in OAC rule 3745-17-07(A)(3), visible particulate emissions from any stack shall not exceed 20 percent opacity as a six-minute average,

except visible particulate emissions may exceed 20 percent opacity, as a six-minute average, for not more than six consecutive minutes in any 60 minutes; but shall not exceed 60 percent opacity, as a six-minute average, at any time.

Applicable Compliance Method:

When requested, the permittee shall demonstrate compliance through visible emission observations performed in accordance U.S. EPA Method 9.

Compliance shall be determined through the compliance stack testing as required in section f)(2) of this permit.

b. Emission Limitation:

0.144 pounds of PE/PM-10 per ton of aluminum processed

Applicable Compliance Method:

Compliance shall be determined through the compliance stack testing as required in section f)(2) of this permit.

c. Emission Limitation:

Emissions from natural gas combustion shall not exceed:

2.16 lb/hr and 9.46 TPY for nitrogen oxides (NOx)

1.82 lb/hr and 7.96 TPY for carbon monoxide (CO)

0.86 lb/hr and 3.78 TPY for PE

0.12 lb/hr and 0.53 TPY for VOC

0.01 lb/hr and 0.06 TPY for sulfur dioxide (SO2)

Applicable Compliance Method:

If required, compliance shall be determined in accordance with 40 CFR Part 60, Appendix A, Methods 1 - 5, 6, 7, 10, 25A. The emission limitations above were established by multiplying the maximum natural gas usage from the burners (22.1 mmcu.ft/hr) by the emission factors for each pollutant found in "Compilation of Air Pollutant Emission Factors," AP-42, Tables 1.4-1, and 1.4-2., revised 7/98: 100 lbsNOx/mm cu. ft.; 84 lbs CO/mm cu. ft.; 1.9 lbs PM/mm cu. ft.; 5.5 lbs VOC/mm cu. ft.; and 0.6 lb SO2/mm cu. ft. The annual emissions were established by multiplying the maximum hourly natural gas usage by the appropriate emission factor, then multiplying the result by 8,760 hours per year, and dividing the result by 2000 lbs/ton.

[Authority for term 3745-77-07(C), PTIO P0110914]

g) Miscellaneous Requirements

(1) None.

4. P083, Carb 6 - Carburizing Furnace

Operations, Property and/or Equipment Description:

Carburizing Furnace

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 operation(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 are identified below. 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 paragraph 3745-31-05(A)(3), effective 11/30/01 and PTIO: P0114032.	Particulate emissions (PE) shall not exceed 0.14 pound per hour and 0.61 ton per year. Nitrogen oxide (NOx) emissions shall not exceed 1.06 pounds per hour and 4.64 tons per year. Carbon monoxide (CO) emissions shall not exceed 2.23 pounds per hour and 9.77 tons per year. Organic compound (OC) emissions shall not exceed 1.10 pounds per hour and 4.82 tons per year. Sulfur dioxide (SO2) emissions shall not exceed 0.17 pound per hour and 0.75 ton per year. Compliance with this rule also includes compliance with OAC rule 3745-17-07(A)(1). Visible PE shall not exceed 5% opacity, as a 6-minute average. b)(2)a, below.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
b.	OAC rule 3745-31-05(A)(3)(a)(ii) as effective 12/01/06	See Section b)(2)b, below.
c.	OAC rule 3745-17-07(A)	Visible PE from any stack serving an indirect-fired oven zone associated with this emissions unit shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.
d.	OAC rule 3745-17-11(B)(2)	The PE limitation specified by this rule is less stringent than the PE limitation established pursuant to OAC rule 3745-31-05(A)(3).
e.	OAC rule 3745-18-06(E)(2)	Exempt pursuant to OAC 3745-18-06(C).
f.	OAC rule 3745-21-07(M)	The emissions limitation specified by this rule is less stringent than the limitation established pursuant to OAC rule 3745-31-05(A)(3).

(2) Additional Terms and Conditions

a. The permittee has satisfied the Best Available Technology (BAT) requirements pursuant to OAC paragraph 3745-31-05(A)(3), as effective November 30, 2001, in this permit. On December 1, 2006, paragraph (A)(3) of OAC rule 3745-31-05 was revised to conform to ORC changes effective August 3, 2006 (S.B. 265 changes), such that BAT is no longer required by State regulations for NAAQS pollutants less than ten tons per year. However, that rule revision has not yet been approved by 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 the OAC rule 3745-31-05, the requirement to satisfy BAT still exists as part of the federally-approved SIP for Ohio. Once U.S. EPA approves the December 1, 2006, version of 3745-31-05, then these emission limits/control measures no longer apply.

[Authority for term 3745-77-07(A)(1), PTIO P0114032]

b. The BAT requirements under OAC rule 3745-31-05(A)(3) do not apply to the emissions from this air contaminant source since the potential to emit is less than ten tons per year.

[Authority for term 3745-77-07(A)(1), PTIO P0114032]

c. Emissions unit is exempt under OAC rule 3745-21-07(A)(5), requirements shall not apply to any source, including any new source, for which installation commenced after the effective date of this rule, February 18, 2008.

[Authority for term 3745-77-07(A)(1), PTIO P0114032]

d. The PE, NOx, CO, OC/VOC, and SO2 limitation was established in section b)(1)a. of this permit to reflects the potential to emit for this emissions unit. Therefore, it is not necessary to establish record keeping and reporting requirements to ensure compliance with this limit.

[Authority for term 3745-77-07(A)(1), PTIO P0114032]

c) Operational Restrictions

(1) The permittee may burn either natural gas and/or liquid propane (LP) gas in this emissions unit.

[Authority for term 3745-77-07(A)(1), PTIO P0114032]

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit for each day during which the permittee burns fuel other than natural or LP gas.

[Authority for term 3745-77-07(A)(3), PTIO P0114032]

e) Reporting Requirements

(1) The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural and/or LP gas was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

[Authority for term 3745-77-07(A)(3), PTIOP0114032]]

f) Testing Requirements

(1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

a. Emission Limitation:

0.14 lb PE/hr and 0.61 TPY PE

2.23 lbs CO/hr and 9.77 TPY CO

1.06 lbsNOx/hr and 4.64 TPY NOx

1.1 lbs OC/hr and 4.82 TPY OC

0.17 lbs SO2/hr and 0.75 TPY SO2

The above emission limitations represent the emissions unit's potential to emit and were established by the following methodology:

PER = [ERht + (NG x NGef) + (BBTU x 1/BCONV x EF) + (LPu x LPef)] x (1 + SF)

Where:

PER = the maximum hourly PE rate;

ERht = 0.1 lb/hr, the test results from similar heat treat source on 2/9/95 at AEP;

NG = the maximum hourly combined natural gas usage, 3,700 cf;

NGef = Natural gas emissions factors:

7.6 pounds of PM per 10^6scf (AP-42 Table 1.4-2);

8.7 pounds of OC per 10^6scf (AP-42 Table 1.4-2);

5.5 pounds of VOC per 10^6scf (AP-42 Table 1.4-2); and

0.6 pounds of SOx per 10^6scf (AP-42 Table 1.4-2).

BBTU = burner BTU/hr for (2) endo generators (3,554,102 BTU/hr);

BCONV = BTU to scf conversion factor (1,020 BTU/scf);

LPu = Liquid Propane usage rate, in 1,000 gallon per hour (15.8 from application)

LPef = Liquid Propane emissions factors:

0.7 pounds of PM per 1,000 gallons (AP-42 Table 1.5-1, 07/08);

0.8 pounds of OC per 1,000 gallons (AP-42 Table 1.5-1, 07/08);

0.8 pounds of VOC per 1,000 gallons (AP-42 Table 1.5-1, 07/08); and

1.5 pounds of SOx per 1,000 gallons (AP-42 Table 1.5-1, 07/08); and

SF = the assumed safety factor for variability error of 0.25.

If required, the permittee shall demonstrate compliance with the hourly PE limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1-5, as appropriate. Alternative U.S. EPA-approved test methods may be used with prior approval from the Ohio EPA.

The annual limitations were established by multiplying the maximum hourly emissions rate by the maximum hours per year, 8,760 hours, and dividing the result by 2000 lbs/ton.

Applicable Compliance Method:

Compliance is assumed based on the maximum hourly capacity of the natural gas and liquid propane burners associated this emissions unit. Prior to making a

"modification" as defined by OAC rule 3745-31-01 that would cause an increase in the hourly potential emissions from this emissions unit, the permittee will need to apply for and obtain all required air pollution permits.

b. Emission Limitation:

Visible particulate emissions from the roof vent(s) shall not exceed 5% percent opacity as a six-minute average.

Applicable Compliance Method

If required, compliance shall be determined through visible emission observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).

c. Emission Limitation:

Visible particulate emissions from the roof vent(s) shall not exceed 20% percent opacity as a six-minute average.

Applicable Compliance Method

If required, compliance shall be determined through visible emission observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).

d. Emission Limitation:

Particulate emissions (PE) emission from the gaseous fuels shall not exceed 0.020 pound per million Btu of actual heat input.

Applicable Compliance Method:

Compliance shall be assumed based on the use of natural and/or LP gas and the record keeping in section d) of this permit.

[Authority for term 3745-77-07(C), PTIO P0114032]

(2) When requested, emissions testing shall be conducted on this emissions unit. The emission testing shall be performed in accordance with the following requirements:

a. The emission testing shall be conducted to demonstrate compliance with the mass emission limitations.

b. The following test methods shall be employed for both heat treat and the endothermic gas generators to demonstrate compliance:

i. Method 1 of 40 CFR, Part 60, Appendix A (for sample and velocity traverses);

ii. Method 2 of 40 CFR, Part 60, Appendix A (for velocity and volumetric flow rates);

iii. Method 3 of 40 CFR, Part 60, Appendix A (for molecular weight of dry gas stream);

iv. Method 4 of 40 CFR, Part 60, Appendix A (for moisture content of gas stream);

v. Method 7, as appropriate, of 40 CFR Part 60, Appendix A (for NOx emissions); and

vi. Method 10, as appropriate, of 40 CFR Part 60, Appendix A (for CO emissions).

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

c. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by Ohio EPA Southwest District Office.

[Authority for term 3745-77-07(C), PTIO P0114032]

(3) Not later than 30 days prior to the proposed test date, the permittee shall submit an "Intent to Test" notification to the Ohio EPA, Southwest 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, Southwest District Office's refusal to accept the results of the emission test(s).

Personnel from the Ohio EPA 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.

[Authority for term 3745-77-07(C), PTIO P0114032]

(4) 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 Ohio EPA, Southwest District Office within 30 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 Ohio EPA, Southwest District Office.

[Authority for term 3745-77-07(C), PTIO P0114032]

g) Miscellaneous Requirements

(1) None.

5. P095, Carb 9 - Carburizing Furnace

Operations, Property and/or Equipment Description:

Carb 9 - Carburizing Furnace, Heat Treat Gears, 482 kg/hr. (1063 lbs./hr.) capacity with safety flare.

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 operation(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 are identified below. 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 paragraph 3745-31-05(A)(3), effective 11/30/01.	The emissions from this emissions unit shall not exceed the following: 0.19 tons of particulate emissions (PE) per month averaged over a twelve-month rolling period; 0.28 tons of sulfur dioxide (SO2) per month averaged over a twelve-month rolling period; 8.32 tons of carbon monoxide (CO) per month averaged over a twelve-month rolling period; 1.53 tons of volatile organic compound (VOC)/ organic compound (OC) per month averaged over a twelve-month rolling period; and 3.08 tons of nitrogen oxide (NOx) per month averaged over a twelve-month rolling period.
b.	OAC rule 3745-31-05(A)(3)(a)(ii) as effective 12/01/06	See Section b)(2)b, below.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
c.	OAC rule 3745-17-07(A)	Visible PE from any stack serving an indirect-fired oven zone associated with this emissions unit shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.
d.	OAC rule 3745-17-10 (from the safety flare combustion)	Particulate emissions (PE) shall not exceed 0.020 pounds per million BTU of actual heat input.
e.	OAC rule 3745-17-11(B)(2)	The PE limitation specified by this rule is less stringent than the PE limitation established pursuant to OAC rule 3745-31-05(A)(3).
f.	OAC rule 3745-18-06(E)(2)	Exempt pursuant to OAC 3745-18-06(C).
g.	OAC rule 3745-21-07(M)	The emissions limitation specified by this rule is less stringent than the limitation established pursuant to OAC rule 3745-31-05(A)(3).

(2) Additional Terms and Conditions

a. The permittee has satisfied the Best Available Technology (BAT) requirements pursuant to OAC paragraph 3745-31-05(A)(3), as effective November 30, 2001, in this permit. On December 1, 2006, paragraph (A)(3) of OAC rule 3745-31-05 was revised to conform to ORC changes effective August 3, 2006 (S.B. 265 changes), such that BAT is no longer required by State regulations for NAAQS pollutants less than ten tons per year. However, that rule revision has not yet been approved by 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 the OAC rule 3745-31-05, the requirement to satisfy BAT still exists as part of the federally-approved SIP for Ohio. Once U.S. EPA approves the December 1, 2006, version of 3745-31-05, then these emission limits/control measures no longer apply.

b. The BAT requirements under OAC rule 3745-31-05(A)(3) do not apply to the emissions from this air contaminant source since the potential to emit is less than ten tons per year.

c. Emissions unit is exempt under OAC rule 3745-21-07(A)(5), requirements shall not apply to any source, including any new source, for which installation commenced after the effective date of this rule, February 18, 2008.

d. The PE, NOx, CO, OC/VOC, and SO2 limitation was established in section b)(1)a. of this permit to reflects the potential to emit for this emissions unit. Therefore, it is not necessary to establish record keeping and reporting requirements to ensure compliance with this limit.

c) Operational Restrictions

(1) The permittee may burn either natural gas and/or liquid propane (LP) gas in this emissions unit.

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit for each day during which the permittee burns fuel other than natural or LP gas

e) Reporting Requirements

(1) The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural and/or LP gas was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

[Authority for term 3745-77-07(A)(3)]

f) Testing Requirements

(1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

a. Emission Limitation:

0.19 tons of particulate emissions (PE) per month averaged over a twelve-month rolling period

The above emission limitations represent the emissions unit's potential to emit and were established by the following methodology:

$AER = (St_{03} \times P_f \times O_{vf}) \times (8760/2000)$

Where:

AER = Annual Emission Rate, in tons per year;

St_{03} = Stack test PE rates at Honda Anna Engine Plant (AEP), 0575000174, heat treat furnace #2, P024, on March 20, 2003, in pounds of PE per hour, (0.11);

P_f = Production factor, the summation of the following equation:

$P_f = C_{fa} / H_{t2}$

Where:

C_{fa} = P095, Carb 9 - Carburizing Furnace, production rate, in pounds per hour, (1063); and

H_{t2} = AEP, Heat Treat Furnace #2, P024 production rate during test, in pounds per hour, (3560).

O_{vf} = Operation variability factor, (1.33**).

* PE assumed to equal PM10, and PM2.5 emissions.

** O_{vf} will allow for operational flexibility; while, establishing an environmentally responsible potential emission rate.

Applicable Compliance Method:

Compliance is assumed based on the maximum this emissions unit. Prior to making a "modification" as defined by OAC rule 3745-31-01 that would cause an increase in the potential emissions from this emissions unit, the permittee will need to apply for and obtain all required air pollution permits.

b. Emission Limitation:

Particulate emissions (PE) shall not exceed 0.020 pounds per million BTU of actual heat input.

Applicable Compliance Method:

Compliance is assumed based on stack test of similar emissions.

If required, the permittee shall demonstrate compliance with the hourly PE limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1-5, as appropriate. Alternative U.S. EPA-approved test methods may be used with prior approval from the Ohio EPA.

c. Emission Limitation:

0.28 tons of sulfur dioxide (SO2) per month averaged over a twelve-month rolling period

The above emission limitations represent the emissions unit's potential to emit and were established by the following methodology:

$AER = (St_{tt3} \times P_f \times O_{vf}) \times (8760/2000)$

Where:

AER = Annual Emission Rate, in tons per year;

St_{tt3} = Stack test SO2 rates at TruTec, 0812100458, emissions unit P033, on July 23, 2003, in pounds of SO2 per hour, (0.044, Stars2, Facility Detail, Emission Testing Page);

P_f = Production factor, the summation of the following equation:

$P_f = C_{fa} / TT_{03}$

Where:

C_{fa} = P095, Carb 9 - Carburizing Furnace, production rate, in pounds per hour, (1063); and

TT_{03} = TruTec, P033, production rate during test, in pounds per hour, (982, from Nov. 2013 revised application calculation sheet).

O_{vf} = Operation variability factor, (1.33**).

** O_{vf} will allow for operational flexibility; while, establishing an environmentally responsible potential emission rate.

Applicable Compliance Method:

Compliance is assumed based on the maximum this emissions unit. Prior to making a "modification" as defined by OAC rule 3745-31-01 that would cause an increase in the potential emissions from this emissions unit, the permittee will need to apply for and obtain all required air pollution permits.

d. Emission Limitation:

8.32 tons of carbon monoxide (CO) per month averaged over a twelve-month rolling period

The above emission limitations represent the emissions unit's potential to emit and were established by the following methodology:

$AER = \{[(St_{08} \times P_f) + (St_{01} \times P_e)] \times O_{vf}\} \times (8760/2000)$

Where:

AER = Annual Emission Rate, in tons per year;

St_{08} = Stack test CO rates at Honda Transmission (HTM), 0546000101, emissions units P033 and P034, Carb Furnaces #7, and 8, on Sept. 23, 2008, 2003, in pounds of CO per hour, (0.65, Stars2, Facility Detail, Emission Testing Page);

P_f = Production factor, the summation of the following equation:

$P_f = C_{fa} / CF_{78}$

Where:

C_{fa} = P095, Carb 9 - Carburizing Furnace, production rate, in pounds per hour, (1063); and

CF_{78} = Carb Furnaces, P033 and P034, production rate during test, in pounds per hour, (486, Nov. 13, 2013 information provided from the company, see attachment to Permit Detail Page in Stars2).

St_{01} = Stack test PE rates at Honda Anna Engine Plant (AEP), 0575000174, 2 Endo generators, on Oct. 24, 2001, in pounds of CO per hour, (0.02, from Nov. 2013 revised application calculation sheet)

P_e= Production factor (Endo generators), the summation of the following equation:

$P_f = C_{fa} / H_{t2}$

Where:

C_{fa} = P095, Carb 9 - Carburizing Furnace, production rate, in pounds per hour, (1063); and

H_{t2} = AEP, 2 Endo generators production rate during test, on Oct. 24, 2001, in pounds per hour, (2700).

O_{vf} = Operation variability factor, (1.33**).

** O_{vf} will allow for operational flexibility; while, establishing an environmentally responsible potential emission rate.

Applicable Compliance Method:

Compliance is assumed based on the maximum this emissions unit. Prior to making a "modification" as defined by OAC rule 3745-31-01 that would cause an increase in the potential emissions from this emissions unit, the permittee will need to apply for and obtain all required air pollution permits.

e. Emission Limitation:

1.53 tons of volatile organic compound (VOC)/ organic compound (OC) per month averaged over a twelve-month rolling period

The above emission limitations represent the emissions unit's potential to emit and were established by the following methodology:

$AER = \{[(St_{03} \times P_f) + (St_{01} \times P_e)] \times O_{vf}\} \times (8760/2000)$

Where:

AER = Annual Emission Rate, in tons per year;

St_{03} = Stack test PE rates at Honda Anna Engine Plant (AEP), 0575000174, heat treat furnace #2, P024, on March 20, 2003, in pounds of VOC (0.8, Stars2, Facility Detail, Emission Testing Page);

P_f = Production factor, the summation of the following equation:

$P_f = C_{fa} / H_{t2}$

Where:

C_{fa} = P095, Carb 9 - Carburizing Furnace, production rate, in pounds per hour, (1063); and

H_{t2} = AEP, Heat Treat Furnace #2, P024 production rate during test, in pounds per hour, (3560).

St_{01} = Stack test PE rates at Honda Anna Engine Plant (AEP), 0575000174, 2 Endo generators, on Oct. 24, 2001, in pounds of VOC per hour, (0.06, from Nov. 2013 revised application calculation sheet)

P_e= Production factor (Endo generators), the summation of the following equation:

$P_f = C_{fa} / H_{t2}$

Where:

C_{fa} = P095, Carb 9 - Carburizing Furnace, production rate, in pounds per hour, (1063); and

H_{t2} = AEP, 2 Endo generators production rate during test, on Oct. 24, 2001, in pounds per hour, (2700).

O_{vf} = Operation variability factor, (1.33**).

** O_{vf} will allow for operational flexibility; while, establishing an environmentally responsible potential emission rate.

Applicable Compliance Method:

Compliance is assumed based on the maximum this emissions unit. Prior to making a "modification" as defined by OAC rule 3745-31-01 that would cause an increase in the potential emissions from this emissions unit, the permittee will need to apply for and obtain all required air pollution permits.

f. Emission Limitation:

3.08 tons of nitrogen oxide (NOx) per month averaged over a twelve-month rolling period.

The above emission limitations represent the emissions unit's potential to emit and were established by the following methodology:

$AER = \{[(St_{08} \times P_f) + (St_{01} \times P_e)] \times O_{vf}\} \times (8760/2000)$

Where:

AER = Annual Emission Rate, in tons per year;

St_{08} = Stack test NOx rates at Honda Transmission (HTM), 0546000101, emissions units P033 and P034, Carb Furnaces #7, and 8, on Sept. 23, 2008, 2003, in pounds of CO per hour, (0.24, Stars2, Facility Detail, Emission Testing Page);

P_f = Production factor, the summation of the following equation:

$P_f = C_{fa} / CF_{78}$

Where:

C_{fa} = P095, Carb 9 - Carburizing Furnace, production rate, in pounds per hour, (1063); and

CF_{78} = Carb Furnaces, P033 and P034, production rate during test, in pounds per hour, (486, Nov. 13, 2013, information provided from the company, see attachment to Permit Detail Page in Stars2).

St_{01} = Stack test PE rates at Honda Anna Engine Plant (AEP), 0575000174, 2 Endo generators, on Oct. 24, 2001, in pounds of NOx per hour, (0.01, from Nov. 2013 revised application calculation sheet)

P_e= Production factor (Endo generators), the summation of the following equation:

$P_f = C_{fa} / H_{t2}$

Where:

C_{fa} = P095, Carb 9 - Carburizing Furnace, production rate, in pounds per hour, (1063); and

H_{t2} = AEP, 2 Endo generators production rate during test, on Oct. 24, 2001, in pounds per hour, (2700).

O_{vf} = Operation variability factor, (1.33**).

** O_{vf} will allow for operational flexibility; while, establishing an environmentally responsible potential emission rate.

Applicable Compliance Method:

Compliance is assumed based on the maximum this emissions unit. Prior to making a "modification" as defined by OAC rule 3745-31-01 that would cause an increase in the potential emissions from this emissions unit, the permittee will need to apply for and obtain all required air pollution permits.

g. Emission Limitation:

Visible particulate emissions from the roof vent(s) shall not exceed 20% percent opacity as a six-minute average.

Applicable Compliance Method

If required, compliance shall be determined through visible emission observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).

(2) When requested, emissions testing shall be conducted on this emissions unit. The emission testing shall be performed in accordance with the following requirements:

a. The emission testing shall be conducted to demonstrate compliance with the mass emission limitations.

b. The following test methods shall be employed for both heat treat and the endothermic gas generators to demonstrate compliance:

i. Method 1 of 40 CFR, Part 60, Appendix A (for sample and velocity traverses);

ii. Method 2 of 40 CFR, Part 60, Appendix A (for velocity and volumetric flow rates);

iii. Method 3 of 40 CFR, Part 60, Appendix A (for molecular weight of dry gas stream);

iv. Method 4 of 40 CFR, Part 60, Appendix A (for moisture content of gas stream);

v. Method 7, as appropriate, of 40 CFR Part 60, Appendix A (for NOx emissions); and

vi. Method 10, as appropriate, of 40 CFR Part 60, Appendix A (for CO emissions).

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

c. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by Ohio EPA Southwest District Office.

(3) Not later than 30 days prior to the proposed test date, the permittee shall submit an "Intent to Test" notification to the Ohio EPA, Southwest 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, Southwest District Office's refusal to accept the results of the emission test(s).

Personnel from the Ohio EPA 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.

(4) 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 Ohio EPA, Southwest District Office within 30 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 Ohio EPA, Southwest District Office.

g) Miscellaneous Requirements

(1) None.

6. Emissions Unit Group -Carburizing Furnaces: P027,P028,P029,P030,P031,P033,P034,

EU ID	Operations, Property and/or Equipment Description
P027	CARB-1: includes drying furnace, carburizing furnace, quench tank, tempering furnace, 2-endothermic gas generators, and interlocked safety flares
P028	CARB-2: includes drying furnace, carburizing furnace, quench tank, tempering furnace, 2-endothermic gas generators, and interlocked safety flares
P029	CARB-3: includes drying furnace, carburizing furnace, quench tank, tempering furnace, 2-endothermic gas generators, and interlocked safety flares
P030	CARB-4: includes drying furnace, carburizing furnace, quench tank, tempering furnace, 2-endothermic gas generators, and interlocked safety flares
P031	CARB-5: includes drying furnace, carburizing furnace, quench tank, tempering furnace, 2-endothermic gas generators, and interlocked safety flares
P033	CARB-7: includes drying furnace, carburizing furnace, quench tank, tempering furnace, 2-endothermic gas generators, and interlocked safety flares
P034	CARB-8: includes drying furnace, carburizing furnace, quench tank, tempering furnace, 2-endothermic gas generators, and interlocked safety flares

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 operation(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 are identified below. 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) and PTI 05-13647.	Particulate emissions (PE) shall not exceed 0.14 pound per hour and 0.61 ton per year. Nitrogen oxide (NOx) emissions shall not exceed 1.06 pounds per hour and 4.64 tons per year. Carbon monoxide (CO) emissions shall not exceed 2.23 pounds per hour and 9.77 tons per year. Organic compound (OC) emissions shall not exceed 1.10 pounds per hour and 4.82 tons per year.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		Sulfur dioxide (SO2) emissions shall not exceed 0.17 pound per hour and 0.75 ton per year. Compliance with this rule also includes compliance with OAC rule 3745-17-07(A)(1). Visible PE shall not exceed 5% opacity, as a 6-minute average. b)(2)a, below.
b.	OAC rule 3745-17-07(A)(1)	The visible PE limitation specified by this rule is less stringent than the limitation established pursuant to OAC rule 3745-31-05(A)(3).
c.	OAC rule 3745-17-11(B)(1)	The PE limitation specified by this rule is less stringent than the PE limitation established pursuant to OAC rule 3745-31-05(A)(3).
d.	OAC rule 3745-18-06(E)(2)	The SO2 emissions limitation specified by this rule is less stringent than the limitation established pursuant to OAC rule 3745-31-05(A)(3).

(2) Additional Terms and Conditions

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

[Authority for term 3745-77-07(A)(1), PTI 05-13647]

c) Operational Restrictions

(1) None.

d) Monitoring and/or Recordkeeping Requirements

(1) None.

e) Reporting Requirements

(1) None.

f) Testing Requirements

(1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

a. Emission Limitation:

0.14 lb PE/hr and 0.61 TPY PE

Applicable Compliance Method:

The hourly emission limitation represents the emissions unit's potential to emit and was established by the following methodology:

PER = [ERht + (NG x EF) + (BBTU x 1/BCONV x EF)] x (1 + SF)

Where:

PER = the maximum hourly PE rate;

ERht = 0.1 lb/hr, the test results from similar heat treat source on 2/9/95 at AEP;

NG = the maximum hourly combined natural gas usage, 3,700 cf;

EF = the particulate emission factor of 1.9 lb/mmcf, from AP-42, Table 1.4-2, 7/98;

BBTU = burner BTU/hr for (2) endo generators (3,554,102 BTU/hr);

BCONV = BTU to scf conversion factor (1,020 BTU/scf); and

SF = the assumed safety factor for variability error of 0.25.

If required, the permittee shall demonstrate compliance with the hourly PE limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1-5, as appropriate. Alternative U.S. EPA-approved test methods may be used with prior approval from the Ohio EPA.

The annual PE limitation was established by multiplying the maximum hourly PE rate, 0.14 lb/hr, by the maximum hours per year, 8,760 hours, and dividing the result by 2000 lbs/ton.

b. Emission Limitation:

2.23 lbs CO/hr and 9.77 TPY CO

Applicable Compliance Method:

The hourly emission limitation represents the emissions unit's potential to emit and was established by the following methodology:

CER = [ERht + EReg + (NG x EF)] x (1 + SF)

Where:

CER = the maximum hourly CO emission rate;

ERht = 1.45 lbs/hr, the test results from similar heat treat source on 3/20/03 at AEP;

EReg = 0.02 lb/hr, the test results from similar endothermic generation source on 10/24/01 at AEP;

NG = the hourly natural gas usage for heat treat, 3,700 cf;

EF = the CO emission factor of 84 lb/mmcf, from AP-42, Table 1.4-1, 7/98; and

SF = the assumed safety factor for variability error of 0.25

If required, the permittee shall demonstrate compliance with the hourly CO emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1-4, and 10 as appropriate. Alternative U.S. EPA-approved test methods may be used with prior approval from the Ohio EPA.

The annual CO limitation was established by multiplying the maximum hourly CO emission rate, 2.23 lbs/hr, by the maximum hours per year, 8,760 hours, and dividing the result by 2000 lbs/ton.

c. Emission Limitation:

1.06 lbsNOx/hr and 4.64 TPY NOx

Applicable Compliance Method:

The hourly emission limitation represents the emissions unit's potential to emit and was established by the following methodology:

NER = [(ERht + EReg) x SF] + (NG x EF)

Where:

NER = the maximum hourly NOx emission rate;

ERht = 0.22 lb/hr, the test results from similar heat treat source on 08/17/04 at Trutec;

EReg = 0.01 lb/hr, the test results from similar endothermic generation source on 10/24/01 at AEP;

NG = the hourly natural gas usage for heat treat 3,700 cf;

EF = the NOx emission factor of 100 lb/mmcf, from AP-42, Table 1.4-1, 7/98; and

SF = the assumed safety factor based upon size of unit compared to size of tested unit, 3.0.

If required, the permittee shall demonstrate compliance with the hourly NOx emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1-4, and 7 as appropriate. Alternative U.S. EPA-approved test methods may be used with prior approval from the Ohio EPA.

The annual NOx limitation was established by multiplying the maximum hourly NOx emission rate, 1.06 lbs/hr, by the maximum hours per year, 8,760 hours, and dividing the result by 2000 lbs/ton. the result by 2000 lbs per ton.

d. Emission Limitation:

1.1 lbs OC/hr and 4.82 TPY OC

Applicable Compliance Method:

The hourly emission limitation represents the emissions unit's potential to emit and was established by the following methodology:

OER = [ERht + EReg + (NG x EF)] x (1 + SF)

Where:

OER = the maximum hourly OC emission rate;

ERht = 0.8 lb/hr, the test results from similar heat treat source on 3/20/03 at AEP;

EReg = 0.06 lb/hr, the test results from similar endothermic generation source on 10/24/01 at AEP;

NG = the hourly natural gas usage of heat treat, 3,700 cf;

EF = the OC emission factor of 5.5 lbs/mmcf, from AP-42, Table 1.4-2, 7/98; and

SF = the assumed safety factor for variability error of 0.25.

If required, the permittee shall demonstrate compliance with the hourly OC emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1-4, and 18 or 25, as appropriate. Alternative U.S. EPA-approved test methods may be used with prior approval from the Ohio EPA.

The annual OC limitation was established by multiplying the maximum hourly OC emission rate, 1.1 lbs/hr, by the maximum hours per year, 8,760 hours, and dividing the result by 2000 lbs/ton.

e. Emission Limitation:

0.17 lbs SO2/hr and 0.75 TPY SO2

Applicable Compliance Method:

The hourly emission limitation represents the emissions unit's potential to emit and was established by the following methodology:

SER = [ERht + EReg + (NG x EF)] x (1 + SF)

Where:

SER = the maximum hourly SO2 emission rate;

ERht = 0.07 lb/hr, the test results from similar heat treat source on 7/23/03 at Trutec;

EReg = 0.06 lb/hr, the test results from similar endothermic generator source on 10/24/01 at AEP;

NG = the hourly natural gas usage for heat treat, 3,700 cf;;

EF = the SO2 emission factor of 0.6 lbs/mmcf, from AP-42, Table 1.4-2, 7/98; and

SF = the assumed safety factor for variability error of 0.25.

If required, the permittee shall demonstrate compliance with the hourly SO2 emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1-4, and 6, as appropriate. Alternative U.S. EPA-approved test methods may be used with prior approval from the Ohio EPA.

The annual SO2 limitation was established by multiplying the maximum hourly SO2 emission rate, 0.17 lbs/hr, by the maximum hours per year, 8,760 hours, and dividing the result by 2000 lbs/ton.

f. Emission Limitation:

Visible particulate emissions from the roof vent(s) shall not exceed 5% percent opacity as a six-minute average.

Applicable Compliance Method

Compliance shall be determined through visible emission observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).

[Authority for term 3745-77-07(C), PTI 05-13647]

(2) When requested, emissions testing shall be conducted on this emissions unit. The emission testing shall be performed in accordance with the following requirements:

a. The emission testing shall be conducted to demonstrate compliance with the mass emission limitations.

b. The following test methods shall be employed for both heat treat and the endothermic gas generators to demonstrate compliance:

i. Method 1 of 40 CFR, Part 60, Appendix A (for sample and velocity traverses);

ii. Method 2 of 40 CFR, Part 60, Appendix A (for velocity and volumetric flow rates);

iii. Method 3 of 40 CFR, Part 60, Appendix A (for molecular weight of dry gas stream);

iv. Method 4 of 40 CFR, Part 60, Appendix A (for moisture content of gas stream);

v. Method 7, as appropriate, of 40 CFR Part 60, Appendix A (for NOx emissions); and

vi. Method 10, as appropriate, of 40 CFR Part 60, Appendix A (for CO emissions).

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

c. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by Ohio EPA Southwest District Office.

[Authority for term 3745-77-07(C), PTI 05-13647]

(3) Not later than 30 days prior to the proposed test date, the permittee shall submit an "Intent to Test" notification to the Ohio EPA, Southwest 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, Southwest District Office's refusal to accept the results of the emission test(s).

Personnel from the Ohio EPA 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.

[Authority for term 3745-77-07(C), PTI 05-13647]

(4) 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 Ohio EPA, Southwest District Office within 30 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 Ohio EPA, Southwest District Office.

[Authority for term 3745-77-07(C), PTI 05-13647]

g) Miscellaneous Requirements

(1) None.

7. Emissions Unit Group -Washer Group: L002,L003,L004,

EU ID	Operations, Property and/or Equipment Description
L002	WASH-01: includes vacuum parts washer with solvent recovery distillation
L003	WASH-02: includes vacuum parts washer with solvent recovery distillation
L004	WASH-03: includes vacuum parts washer with solvent recovery distillation

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 operation(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 are identified below. 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) and PTI 05-13647.	Volatile organic compound (VOC) emissions shall not exceed 3.98 pounds per hour, as a monthly average, and 17.43 tons per year.
b.	OAC rule 3745-21-09(O)(4)	c)(1), c)(2), c)(3), c)(4), and c)(5).

(2) Additional Terms and Conditions

a. The annual VOC emissions limitation was established to reflect potential to emit for this emissions unit. Therefore, it is not necessary to establish monitoring, record keeping and reporting requirements to ensure compliance with this limitation.

[Authority for term 3745-77-07(A)(1), PTI 05-13647]

c) Operational Restrictions

(1) The vacuum parts washer shall employ a sufficient drain time to prevent cleaned parts from carrying out solvent liquid or vapor.

[Authority for term 3745-77-07(A)(1), PTI 05-13647]

(2) The permittee shall operate and maintain a condenser flow switch and thermostat or any other device which shuts off the sump heat if the condenser coolant is either not circulating or too warm.

[Authority for term 3745-77-07(A)(1), PTI 05-13647]

(3) The permittee shall operate and maintain a distillation system for the vacuum parts washer. The distillation system shall be operated at all times except during maintenance.

[Authority for term 3745-77-07(A)(1), PTI 05-13647]

(4) The vacuum parts washer shall be operated and maintained in accordance with the following practices to minimize solvent evaporation from the unit:

a. maintain the system as a closed loop system;

b. provide downtime covers for closing off the entrance and exit during shutdown hours;

c. minimize carry-out emissions by:

i. racking parts so that solvent drains freely from parts and is not trapped;

ii. store waste solvent only in covered containers; and

iii. repair solvent leaks immediately, or shut down the degreaser;

d. place downtime covers over entrances and exits of the vacuum parts washer at all times when the conveyors and exhausts are not being operated; and

e. clean only materials that are neither porous nor absorbent.

[Authority for term 3745-77-07(A)(1), PTI 05-13647]

(5) The permittee shall not employ any halogenated solvents within this emissions unit.

[Authority for term 3745-77-07(A)(1), PTI 05-13647]

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall maintain records of the following information:

a. the types of solvents employed in the vacuum parts washer;

b. whether or not the solvent employed is a halogenated solvent; and

c. all control equipment maintenance.

[Authority for term 3745-77-07(A)(3), PTI 05-13647]

(2) The permittee shall maintain monthly records of the following information for this emissions unit:

a. the volume of solvent containing cleaning agent employed, i.e., the sum of the volume of solvent within the parts washer at the beginning of the month and the volume of solvent added during the month subtracted from the volume of solvent remaining at the end of the month;

b. the VOC emissions, i.e., the volume of the solvent containing cleaning agent employed (from a. above) multiplied by the VOC content of the agent, and finally multiplied by a safety factor of 110%;

c. the number of hours the vacuum parts washer operated; and

d. the average hourly emission rate, i.e., the monthly VOC emissions (from b. above) divided by the number of hours operated (from c. above).

[Authority for term 3745-77-07(A)(3), PTI 05-13647]

e) Reporting Requirements

(1) The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the following:

a. average hourly VOC emissions limitation of 3.98 lbs; and

b. the use of halogenated solvents.

If no deviations (excursions) occurred during a calendar quarter, the permittee shall submit a report that states that no deviations (excursions) occurred during the quarter.

The quarterly reports shall be submitted (postmarked) each year by the thirty-first of January (covering October to December), the thirtieth of April (covering January to March), the thirty-first of July (covering April to June), and the thirty-first of October (covering July to September), unless an alternative schedule has been established and approved by the director (the appropriate district office or local air agency).

[Authority for term 3745-77-07(A)(3), PTI 05-13647]

f) Testing Requirements

(1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

a. Emission Limitation:

3.98 lbs VOC/hr, as a monthly average

Applicable Compliance Method:

The hourly VOC emission limitation was established by the following calculation:

ER = [(U x VOC)/OH] (SF)

Where:

ER = the average hourly VOC emission rate;

U = the maximum monthly usage of solvent containing cleaning agent (375.164 gal);

VOC = the VOC content of the solvent containing cleaning agent (7.18 lbs/gal);

OH = the monthly operating hours (744 hrs);

SF = the safety factor of 110%;

Compliance with the hourly VOC emissions limitations shall be demonstrated through the record keeping in d)(2).

b. Emission Limitation:

17.43 tons VOC per year

Applicable Compliance Method:

The annual VOC emission limitation was established by the following calculation:

Eann = ER x 8,760 hrs/yr x 1 ton/2000 lbs

Where:

Eann = the annual VOC emission rate; and

ER = the average hourly VOC emission rate.

Compliance with the annual VOC emissions limitations shall be demonstrated through compliance with the average hourly emission limitation per the record keeping in d)(2).

[Authority for term 3745-77-07(C), PTI 05-13647]

(2) Formulation data or USEPA Method 24 shall be used to determine the volatile organic compound content of materials added to this emissions unit.

[Authority for term 3745-77-07(C), PTI 05-13647]

g) Miscellaneous Requirements

(1) None.