



State of Ohio Environmental Protection Agency

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Columbus, OH 43216-1049

**RE: FINAL PERMIT TO INSTALL  
LOGAN COUNTY  
Application No: 05-12917**

**CERTIFIED MAIL**

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

**DATE: 7/1/2004**

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

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

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

You are hereby notified that this action by the Director is final and may be appealed to the Ohio Environmental Review Appeals Commission pursuant to Chapter 3745.04 of the Ohio Revised Code. The appeal must be in writing and set forth the action complained of and the grounds upon which the appeal is based. It must be filed within thirty (30) days after the notice of the Directors action. A copy of the appeal must be served on the Director of the Ohio Environmental Protection Agency within three (3) days of filing with the Commission. An appeal may be filed with the Environmental Review Appeals Commission at the following address:

Environmental Review Appeals Commission  
309 South Fourth Street, Room 222  
Columbus, Ohio 43215

Sincerely,

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

cc: USEPA

SWDO



**Permit To Install  
Terms and Conditions**

**Issue Date: 7/1/2004  
Effective Date: 7/1/2004**

**FINAL PERMIT TO INSTALL 05-12917**

Application Number: 05-12917  
APS Premise Number: 0546000101  
Permit Fee: **\$200**  
Name of Facility: Honda Transmission Mfg. of America Inc.  
Person to Contact: Lee Sanders  
Address: 6964 State Route 235 North  
Russells Point, OH 43348

Location of proposed air contaminant source(s) [emissions unit(s)]:  
**6964 State Route 235 North  
Russells Point, Ohio**

Description of proposed emissions unit(s):  
**Dynamometer for testing transmissions.**

The above named entity is hereby granted a Permit to Install for the above described emissions unit(s) pursuant to Chapter 3745-31 of the Ohio Administrative Code. Issuance of this permit does not constitute expressed or implied approval or agreement that, if constructed or modified in accordance with the plans included in the application, the above described emissions unit(s) of environmental pollutants will operate in compliance with applicable State and Federal laws and regulations, and does not constitute expressed or implied assurance that if constructed or modified in accordance with those plans and specifications, the above described emissions unit(s) of pollutants will be granted the necessary permits to operate (air) or NPDES permits as applicable.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Director

## **Part I - GENERAL TERMS AND CONDITIONS**

### **A. Permit to Install General Terms and Conditions**

#### **1. Compliance Requirements**

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

#### **2. Reporting Requirements**

The permittee shall submit required reports in the following manner:

- a. Reports of any required monitoring and/or recordkeeping information shall be submitted to the appropriate Ohio EPA District Office or local air agency.
- b. Except as otherwise may be provided in the terms and conditions for a specific emissions unit, quarterly written reports of (a) any deviations (excursions) from emission limitations, operational restrictions, and control device operating parameter limitations that have been detected by the testing, monitoring, and recordkeeping requirements specified in this permit, (b) the probable cause of such deviations, and (c) any corrective actions or preventive measures which have been or will be taken, shall be submitted to the appropriate Ohio EPA District Office or local air agency. If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.)

#### **3. Records Retention Requirements**

Each record of any monitoring data, testing data, and support information required pursuant to this permit shall be retained for a period of five years from the date the record was created. Support information shall include, but not be limited to, all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. Such records may be maintained in computerized form.

#### **4. Inspections and Information Requests**

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

be requested to determine whether cause exists for modifying, reopening or revoking this permit or to determine compliance with this permit. Upon verbal or written request, the permittee shall also furnish to the Director of the Ohio EPA, or an authorized representative of the Director, copies of records required to be kept by this permit.

**5. Scheduled Maintenance/Malfunction Reporting**

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

**6. Permit Transfers**

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

**7. Air Pollution Nuisance**

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

**8. Termination of Permit to Install**

This Permit to Install shall terminate within eighteen months of the effective date of the Permit to Install if the owner or operator has not undertaken a continuing program of installation or modification or has not entered into a binding contractual obligation to undertake and complete within a reasonable time a continuing program of installation or modification. This deadline may be extended by up to 12 months if application is made to the Director within a reasonable time before the termination date and the party shows good cause for any such extension.

**9. Construction of New Sources(s)**

The proposed emissions unit(s) shall be constructed in strict accordance with the plans and application submitted for this permit to the Director of the Ohio Environmental Protection Agency. There may be no deviation from the approved plans without the express, written approval of the Agency. Any deviations from the approved plans or the above conditions may lead to such sanctions

and penalties as provided under Ohio law. Approval of these plans does not constitute an assurance that the proposed facilities will operate in compliance with all Ohio laws and regulations. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed sources cannot meet the requirements of this permit or cannot meet applicable standards.

If the construction of the proposed emissions unit(s) has already begun or has been completed prior to the date the Director of the Environmental Protection Agency approves the permit application and plans, the approval does not constitute expressed or implied assurance that the proposed facility has been constructed in accordance with the approved plans. The action of beginning and/or completing construction prior to obtaining the Director's approval constitutes a violation of OAC rule 3745-31-02. Furthermore, issuance of the Permit to Install does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. Approval of the plans in any case is not to be construed as an approval of the facility as constructed and/or completed. Moreover, issuance of the Permit to Install is not to be construed as a waiver of any rights that the Ohio Environmental Protection Agency (or other persons) may have against the applicant for starting construction prior to the effective date of the permit. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed facilities cannot meet the requirements of this permit or cannot meet applicable standards.

**10. Public Disclosure**

The facility is hereby notified that this permit, and all agency records concerning the operation of this permitted source, are subject to public disclosure in accordance with OAC rule 3745-49-03.

**11. Applicability**

This Permit To Install is applicable only to the emissions unit(s) identified in the Permit To Install. Separate Permit To Install for the installation or modification of any other emissions unit(s) are required for any emissions unit for which a Permit To Install is required.

**12. Best Available Technology**

As specified in OAC Rule 3745-31-05, all new sources must employ Best Available Technology (BAT). Compliance with the terms and conditions of this permit will fulfill this requirement.

**13. Source Operation and Operating Permit Requirements After Completion of Construction**

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

**14. Construction Compliance Certification**

The applicant shall provide Ohio EPA with a written certification (see enclosed form) that the facility has been constructed in accordance with the Permit to Install application and the terms and conditions of the Permit to Install. The certification shall be provided to Ohio EPA upon completion of construction but prior to startup of the source.

**15. Fees**

The permittee shall pay fees to the Director of the Ohio EPA in accordance with ORC section 3745.11 and OAC Chapter 3745-78. The permittee shall pay all applicable Permit to Install fees within 30 days after the issuance of this Permit to Install.

**B. Permit to Install Summary of Allowable Emissions**

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

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

<b><u>Pollutant</u></b>	<b><u>Tons Per Year</u></b>
PE	0.11
SO2	0.09
NOx	0.09
OC	0.26
CO	34.48

**Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)****A. State and Federally Enforceable Section****I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P026 - Transmission testing dynamometer w/catalytic converter	OAC rule 3745-31-05(A)(3)	0.03 lb of particulate emissions (PE)/hr, 0.11 ton PE/yr  0.03 lb of sulfur dioxide (SO <sub>2</sub> )/hr, 0.09 ton of SO <sub>2</sub> /yr  0.03 lb of nitrogen oxides (NO <sub>x</sub> )/hr, 0.09 tons of NO <sub>x</sub> /yr  0.07 lbs of organic compounds (OC)/hr, 0.26 tons of OC/yr  9.85 lbs of carbon monoxide (CO)/hr, 34.48 tons of CO/yr
	OAC rule 3745-17-07(A)	see additional term & condition in Part III,A.I.2a
	OAC rule 3745-17-11	see additional term & condition in Part III,A.I.2b
	OAC rule 3745-21-08(B)	see additional term & condition in Part III,A.I.2c
	OAC rule 3745-18-06(G)	see additional term & condition in Part III,A.I.2d
	OAC rule 3745-21-07(B)	see additional term & condition in Part III., A.I.2c

OAC rule 3745-23-06(B)

see additional term & condition in Part III,A.I.2c

## **2. Additional Terms and Conditions**

**2.a** 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.

**2.b** 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.

**2.c** The permittee has satisfied the "latest available control techniques and operating practices" required pursuant to OAC rule 3745-23-06(B) and OAC rule 3745-21-07(B) and the "best available control techniques and operating practices" required pursuant to OAC rule 3745-21-08(B) by committing to comply with the best available technology requirements established pursuant to OAC rule 3745-31-05(A)(3) in this permit to install.

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

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

**2.e** The dynamometer shall be controlled with a catalytic converter designed to destroy at least 50% of the expected concentrations of CO; 90% of the expected concentrations of VOC/OC; and 95% of the expected concentrations of NOx.

## **II. Operational Restrictions**

1. The permittee shall employ unleaded gasoline as fuel when operating this emissions unit.
2. The engines associated with the test dynamometer can not, by design, burn more than a combined total of 5 gallons per hour.

3. Any malfunction of the catalytic converter shall be accompanied with the shut down of the dynamometer.
4. The maximum annual unleaded gasoline usage for this emissions unit shall not exceed 35,000 gallons, based upon a rolling, 12-month summation of the gasoline usage figures.

To ensure enforceability during the first 12 calendar months of operation following the issuance of this permit, the permittee shall not exceed the unleaded gasoline usage levels specified in the following table:

<u>Month(s)</u>	<u>Maximum Allowable Cumulative Unleaded Gasoline Usage, in gallons</u>
1	2,916.66
1-2	5,833.33
1-3	8,750.00
1-4	11,666.66
1-5	14,583.33
1-6	17,500.00
1-7	20,416.66
1-8	23,333.33
1-9	26,250.00
1-10	29,166.66
1-11	32,083.33
1-12	35,000.00

After the first 12 calendar months of operation following the issuance of this permit, compliance with the annual unleaded gasoline or gasohol usage limitation shall be based upon a rolling, 12-month summation of the gasoline usage figures.

5. If necessary, an electric motor can be attached to the transmissions for testing.

**III. Monitoring and/or Recordkeeping Requirements**

1. The permittee shall collect and record the following information:
  - a.. A log of the downtime for the capture (collection) system, control device, and monitoring equipment, when the associated emissions unit was in operation.
  - b. The facility shall maintain monthly records of the number of gallons of gasoline that are burned by this emission unit.

**IV. Reporting Requirements**

1. The permittee shall submit deviation (excursion) reports which identify all exceedances of the rolling, 12-month gasoline usage limitation.
2. If the permittee uses any other type of fuel other than unleaded gasoline in this emissions unit, the permittee shall notify the Ohio EPA, Southwest District Office within 30 days of becoming aware of the occurrence.
3. The permittee shall submit deviation (excursion) reports that identify all periods of time during which the emission unit was in operation and a malfunction of the catalytic converter occurred without the shut down of the dynamometer specified in term A. II. 3.
4. The deviation reports shall be submitted in accordance with paragraph A.I.e.ii of the General Terms and Conditions of this permit.

**V. Testing Requirements**

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

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 3 months after the installation of this emissions unit.
- b. The emission testing shall be conducted to demonstrate compliance for allowable mass emissions rate limitations for CO..
- c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s) and control efficiency:

Pollutant	Test Method	Location
CO:	Methods 1-4 and 10	40 CFR Part 60, Appendix A

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

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

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Ohio EPA, 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.

A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the Ohio EPA, 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 the Ohio EPA, Southwest District Office.

2. Emission Limitations:  
9.85 lbs of CO/hr and 34.48 tons of CO/yr

Applicable Compliance Method:

The hourly and annual CO emission limitations were established by the following methodology:

$$\text{HAER} = (\text{GURH}) \times (\text{EF}) \times (\text{CEF}) \times (1-\text{DRE}) = 9.85 \text{ lbs of CO/hr}$$

$$\text{AAER} = (\text{GURY}) \times (\text{EF}) \times (\text{CEF}) \times (1-\text{DRE}) = 34.48 \text{ tons of CO/yr}$$

where:

HAER = the hourly allowable emission rate (9.85 lbs of CO/hr)

AAER= the annual allowable emission rate (34.48 tons of CO/yr)

GURH= the gasoline usage per hour ( 5.0 gallons of gasoline used/hr)

GURY= the annual allowable gasoline usage (35,000 gallons of gasoline/yr)

EF= the emission factor (3,940 lbs of CO/1,000 gallons of gasoline used, from FIRE (ver. 6.23 for SCC 2-04-004-01 [ reciprocating internal combustion gasoline engine testing] Also referenced in EIIP's "Uncontrolled Emission Factor Listing for Criteria Pollutants" { Vol II; Chapter 14, App. A, 07/2001 }

CEF= the capture efficiency of the catalytic converter (100%)

DRE = the control efficiency (50%), based on EPA-75 exhaust emissions results of a standard Honda catalytic converter ( 2003 Honda Accord V6 California)

3. Emission Limitation:  
0.03 lbs of PE/hr and 0.11 ton of PE/yr

Applicable Compliance Method:

The hourly and annual PE emission limitations were established by the following methodology:

$$\text{HAER} = (\text{GURH}) \times (\text{EF}) \times (\text{CEF}) \times (1 - \text{DRE}) = 0.03 \text{ lb of PE/hr}$$

$$\text{AAER} = (\text{GURY}) \times (\text{EF}) \times (\text{CEF}) \times (1 - \text{DRE}) = 0.11 \text{ ton of PE/yr}$$

where:

HAER = the hourly allowable emission rate (0.03 lb of PE/hr)

AAER= the annual allowable emission rate (0.11 tons of PE/yr)

GURY= the annual allowable gasoline usage (35,000 gallons of gasoline/yr)

GURH= the gasoline usage per hour ( 5.0 gallons of gasoline used/hr)

EF= the emission factor (6.47 lbs of PE/1,000 gallons of gasoline used, from FIRE (ver. 6.23 for SCC 2-04-004-01 [ reciprocating internal combustion gasoline engine testing] Also referenced in EIIP's "Uncontrolled Emission Factor Listing for Criteria Pollutants" { Vol II; Chapter 14, App. A, 07/2001 }

CEF= the capture efficiency of the catalytic converter (100%)

DRE = the control efficiency (0%)

If required, compliance with the hourly allowable emission limitations above shall be determined in accordance with the appropriate Method 1-4 and 5 of 40 CFR Part 60, Appendix A.

4. Emission Limitation:

0.03 lbs of SO<sub>2</sub>/hr and 0.09 ton of SO<sub>2</sub>/yr

Applicable Compliance Method:

The hourly and annual SO<sub>2</sub> emission limitations were established by the following methodology:

$$\text{HAER} = (\text{GURH}) \times (\text{EF}) \times (\text{CEF}) \times (1 - \text{DRE}) = 0.03 \text{ lb of SO}_2/\text{hr}$$

$$\text{AAER} = (\text{GURY}) \times (\text{EF}) \times (\text{CEF}) \times (1 - \text{DRE}) = 0.09 \text{ ton of SO}_2/\text{yr}$$

where:

HAER = the hourly allowable emission rate (0.03 lb of SO<sub>2</sub>/hr)

AAER= the annual allowable emission rate (0.09 ton of SO<sub>2</sub>/yr)

GURH= the gasoline usage per hour ( 5.0 gallons of gasoline used/hr)

GURY= the annual allowable gasoline usage (35,000 gallons of gasoline/yr)

EF= the emission factor (5.31 lbs of SO<sub>2</sub>/1,000 gallons of gasoline used, from FIRE (ver. 6.23 for SCC 2-04-004-01 [ reciprocating internal combustion gasoline engine testing] Also referenced in EIIP's "Uncontrolled Emission Factor Listing for Criteria Pollutants" { Vol II; Chapter 14, App. A, 07/2001 }

CEF= the capture efficiency of the catalytic converter (100%)

DRE = the control efficiency (0 %)

If required, compliance with the hourly allowable emission limitations above shall be determined in accordance with the appropriate Methods 1-4 and 6 of 40 CFR Part 60, Appendix A.

5. Emission Limitation:

0.03 lbs of NO<sub>x</sub>/hr and 0.09 ton of NO<sub>x</sub>/yr

Applicable Compliance Method:

The hourly and annual NO<sub>x</sub> emission limitations were established by the following methodology:

$$\text{HAER} = (\text{GURH}) \times (\text{EF}) \times (\text{CEF}) \times (1-\text{DRE}) = 0.03 \text{ lb of NO}_x/\text{hr}$$

$$\text{AAER} = (\text{GURY}) \times (\text{EF}) \times (\text{CEF}) \times (1-\text{DRE}) = 0.09 \text{ ton of NO}_x/\text{yr}$$

where:

HAER = the hourly allowable emission rate (0.03 lb of NO<sub>x</sub>/hr)

GURH= the gasoline usage per hour ( 5.0 gallons of gasoline used/hr)

GURY= the annual allowable gasoline usage (35,000 gallons of gasoline/yr)

AAER= the annual allowable emission rate (0.09 ton of NO<sub>x</sub>/yr)

EF= the emission factor (102.00 lbs of NO<sub>x</sub>/1,000 gallons of gasoline used, from FIRE (ver. 6.23 for SCC 2-04-004-01 [ reciprocating internal combustion gasoline engine testing] Also referenced in EIIP's "Uncontrolled Emission Factor Listing for Criteria Pollutants" { Vol II; Chapter 14, App. A, 07/2001 } )

CEF= the capture efficiency of the catalytic converter (100%)

DRE = the control efficiency (95%), based on EPA-75 exhaust emissions results of a standard Honda catalytic converter ( 2003 Honda Accord V6 California)

If required, compliance with the hourly allowable emission limitations above shall be determined in accordance with the appropriate Methods 1-4 and 7 of 40 CFR Part 60, Appendix A.

6. Emission Limitation:

0.07 lbs of OC and 0.26 ton of OC/yr

Applicable Compliance Method:

The hourly and annual OC emission limitations were established by the following methodology:

$$\text{HAER} = (\text{GURH}) \times (\text{EF}) \times (\text{CEF}) \times (1-\text{DRE}) = 0.07 \text{ lb of OC/hr}$$

$$\text{AAER} = (\text{GURY}) \times (\text{EF}) \times (\text{CEF}) \times (1-\text{DRE}) = 0.26 \text{ ton of OC/yr}$$

where:

HAER = the hourly allowable emission rate (0.07 lb of OC/hr)

**Honda Transmission Mfg. of America Inc.**

**PTI Application: 05-12917**

**Issued: 7/1/2004**

**Facility ID: 0546000101**

**Emissions Unit ID: P026**

AAER = the annual allowable emission rate (0.26 ton of OC/yr)

GURH= the gasoline usage per hour ( 5.0 gallons of gasoline used/hr)

GURY= the annual allowable gasoline usage (35,000 gallons of gasoline/yr)

EF= the emission factor (148.00 lbs of OC/1,000 gallons of gasoline used, from FIRE (ver. 6.23 for SCC 2-04-004-01 [ reciprocating internal combustion gasoline engine testing] Also referenced in EIIP's "Uncontrolled Emission Factor Listing for Criteria Pollutants" { Vol II; Chapter 14, App. A, 07/2001 }

CEF= the capture efficiency of the catalytic converter (100%)

DRE = the control efficiency (90%), based on EPA-75 exhaust emissions results of a standard Honda catalytic converter ( 2003 Honda Accord V6 California)

If required, compliance with the hourly allowable emission limitations above shall be determined in accordance with the appropriate Methods 1-4 and 25 or 25A of 40 CFR Part 60, Appendix A.

## **VI. Miscellaneous Requirements**

None

**B. State Only Enforceable Section**

**I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
P026 - Transmission testing dynamometer	OAC rule 3745-31-05	LIMIT(s)

**2. Additional Terms and Conditions**

2.a None

**II. Operational Restrictions**

None

**III. Monitoring and/or Recordkeeping Requirements**

None

**IV. Reporting Requirements**

None

**V. Testing Requirements**

None

**VI. Miscellaneous Requirements**

None