



# INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

*We Protect Hoosiers and Our Environment.*

*Mitchell E. Daniels Jr.*  
Governor

*Thomas W. Easterly*  
Commissioner

100 North Senate Avenue  
Indianapolis, Indiana 46204  
(317) 232-8603  
Toll Free (800) 451-6027  
[www.idem.IN.gov](http://www.idem.IN.gov)

TO: Interested Parties / Applicant

DATE: May 29, 2009

RE: Tenneco Automotive Operating Company, Inc / 113-27888-00077

FROM: Matthew Stuckey, Branch Chief  
Permits Branch  
Office of Air Quality

## Notice of Decision: Approval - Registration

Please be advised that on behalf of the Commissioner of the Department of Environmental Management, I have issued a decision regarding the enclosed matter. Pursuant to IC 4-21.5-3-4(d) this order is effective when it is served. When served by U.S. mail, the order is effective three (3) calendar days from the mailing of this notice pursuant to IC 4-21.5-3-2(e).

If you wish to challenge this decision, IC 4-21.5-3-7 requires that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office of Environmental Adjudication, 100 North Senate Avenue, Government Center North, Suite N 501E, Indianapolis, IN 46204, **within eighteen (18) calendar days of the mailing of this notice**. The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

- (1) the date the document is delivered to the Office of Environmental Adjudication (OEA);
- (2) the date of the postmark on the envelope containing the document, if the document is mailed to OEA by U.S. mail; or
- (3) The date on which the document is deposited with a private carrier, as shown by receipt issued by the carrier, if the document is sent to the OEA by private carrier.

The petition must include facts demonstrating that you are either the applicant, a person aggrieved or adversely affected by the decision or otherwise entitled to review by law. Please identify the permit, decision, or other order for which you seek review by permit number, name of the applicant, location, date of this notice and all of the following:

- (1) the name and address of the person making the request;
- (2) the interest of the person making the request;
- (3) identification of any persons represented by the person making the request;
- (4) the reasons, with particularity, for the request;
- (5) the issues, with particularity, proposed for considerations at any hearing; and
- (6) identification of the terms and conditions which, in the judgment of the person making the request, would be appropriate in the case in question to satisfy the requirements of the law governing documents of the type issued by the Commissioner.

If you have technical questions regarding the enclosed documents, please contact the Office of Air Quality, Permits Branch at (317) 233-0178. Callers from within Indiana may call toll-free at 1-800-451-6027, ext. 3-0178.

Enclosures  
FN-REGIS.dot 1/2/08



Mitchell E. Daniels, Jr.  
Governor

Thomas W. Easterly  
Commissioner

100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251  
(317) 232-8603  
(800) 451-6027  
www.IN.gov/idem

## REGISTRATION OFFICE OF AIR QUALITY

**Tenneco Automotive Operating Company, Inc.**  
**1490 Gerber Street**  
**Ligonier, Indiana 46767**

Pursuant to 326 IAC 2-5.1 (Construction of New Sources: Registrations) and 326 IAC 2-5.5 (Registrations), (herein known as the Registrant) is hereby authorized to construct and operate subject to the conditions contained herein, the source described in Section A (Source Summary) of this registration.

Registration No. R 113-14290-00077	
Originally Signed by: Paul Dubenetzky, Chief Permits Branch Office of Air Quality	Issuance Date: May 10, 2001

First Registration Revision No. 113-22418-00077, issued on February 2, 2006  
Notice-Only Change No. 113-26001-00077, issued on March 3, 2008

Second Registration Revision. 113-27888-00077	
Issued by:  Iryn Calilung, Section Chief Permits Branch Office of Air Quality	Issuance Date: May 29, 2009

## SECTION A

## SOURCE SUMMARY

This registration is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ). The information describing the source contained in conditions A.1 and A.2 is descriptive information and does not constitute enforceable conditions. However, the Registrant should be aware that a physical change or a change in the method of operation that may render this descriptive information obsolete or inaccurate may trigger requirements for the Registrant to obtain additional permits pursuant to 326 IAC 2.

### A.1 General Information

---

The Registrant owns and operates a stationary muffler systems and automotive parts manufacturing source.

Source Address:	1490 Gerber Street, Ligonier, Indiana 46767
Mailing Address:	1490 Gerber Street, Ligonier, Indiana 46767
General Source Phone Number:	(260) 894-9400
SIC Code:	3714
County Location:	Noble County
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Registration

### A.2 Emission Units and Pollution Control Equipment Summary

---

This stationary source consists of the following emission units and pollution control devices:

#### (a) Muffler Assembly

- (1) Thirty four (34) semi-automatic MIG welding stations, approved for construction in 2001, with a maximum capacity of 11.6 pounds of wire per hour (lbs/hr), each;
- (2) Forty-three (43) semi-automatic MIG welding stations, with a maximum capacity of 12.3 pounds of wire per hour (lbs/hr), each;
- (3) Four (4) semi-automatic MIG welding stations, approved for construction in 2006, with a maximum capacity of 12.3 pounds of wire per hour (lbs/hr), each;
- (4) Three (3) semi-automatic MIG welding stations, approved for construction in 2009, with a maximum capacity of 12.3 pounds of wire per hour (lbs/hr), each;
- (5) Five (5) robotic welding stations, approved for construction in 2001, with a maximum capacity of 12.3 pounds of wire per hour, each;
- (6) Five (5) robotic welding stations, approved for construction in 2006, with a maximum capacity of 12.3 pounds of wire per hour (lbs/hr), each;
- (7) Four (4) robotic welding stations, approved for construction in 2008, with a maximum capacity of 12.3 pounds of wire per hour (lbs/hr), each;
- (8) Five (5) robotic welding stations, approved for construction in 2009, with a maximum capacity of 12.3 pounds of wire per hour (lbs/hr), each;
- (9) Twenty-nine (29) MIG/TIG hand welding stations, approved for construction in 2001, with a maximum capacity of 12.3 pounds of wire per hour (lbs/hr), each;
- (10) Five (5) MIG/TIG hand welding stations, approved for construction in 2006, with a

maximum capacity of 12.3 pounds of wire per hour (lbs/hr), each;

- (11) One (1) MIG/TIG hand welding station, approved for construction in 2009, with a maximum capacity of 12.3 pounds of wire per hour (lbs/hr);
- (12) One (1) tube mill induction welding station, approved for construction in 2001, with a maximum capacity of 22,500 pounds of stainless steel per hour (lbs/hr);
- (13) Two (2) stick welding units, approved for construction in 2001, that will be used for repair;
- (14) Two (2) tube mill mist collectors, approved for construction in 2001;
- (15) Four (4) plasma welding stations, approved for construction in 2006, with a maximum capacity of 1000 pounds of steel per hour (lbs/hr), each ; and
- (16) Three (3) plasma cutters, approved for construction in 2008, with a maximum capacity of 2000 pounds per hour (lbs/hr) of miscellaneous parts for maintenance and quality control, each.

The Particulate Matter emissions from these welding stations are controlled by six (6) baghouses, identified as T-1, T-2, T-3, T-4, T-5 and T-6.

- (b) Three (3) natural gas-fired air make-up units, approved for construction in 2001, each has a heat input capacity of 4.125 million British thermal Units per hour (mmBtu/hr); and
- (c) One (1) natural gas-fired air make-up unit, approved for construction in 2001, with a heat input capacity of 3.85 mmBtu/hr.

## **SECTION B GENERAL CONDITIONS**

### **B.1 Definitions [326 IAC 2-1.1-1]**

---

Terms in this registration shall have the definition assigned to such terms in the referenced regulation. In the absence of definitions in the referenced regulation, the applicable definitions found in the statutes or regulations (IC 13-11, 326 IAC 1-2 and 326 IAC 2-1.1-1) shall prevail.

### **B.2 Effective Date of Registration [IC 13-15-5-3]**

---

Pursuant to IC 13-15-5-3, this registration is effective immediately, unless a petition for stay of effectiveness is filed and granted according to IC 13-15-6-3, and may be revoked or modified in accordance with the provisions of IC 13-15-7-1.

### **B.3 Registration Revocation [326 IAC 2-1.1-9]**

---

Pursuant to 326 IAC 2-1.1-9 (Revocation), this registration to operate may be revoked for any of the following causes:

- (a) Violation of any conditions of this registration.
- (b) Failure to disclose all the relevant facts, or misrepresentation in obtaining this registration.
- (c) Changes in regulatory requirements that mandate either a temporary or permanent reduction of discharge of contaminants. However, the amendment of appropriate sections of this registration shall not require revocation of this registration.
- (d) For any cause which establishes in the judgment of IDEM, the fact that continuance of this registration is not consistent with purposes of this article.

### **B.4 Prior Permits Superseded [326 IAC 2-1.1-9.5]**

---

- (a) All terms and conditions of permits established prior to Registration No. 113-14290-00077 and issued pursuant to permitting programs approved into the state implementation plan have been either:
  - (1) incorporated as originally stated,
  - (2) revised, or
  - (3) deleted.
- (b) All previous registrations and permits are superseded by this registration.

### **B.5 Annual Notification [326 IAC 2-5.1-2(f)(3)] [326 IAC 2-5.5-4(a)(3)]**

---

Pursuant to 326 IAC 2-5.1-2(f)(3) and 326 IAC 2-5.5-4(a)(3):

- (a) An annual notification shall be submitted by an authorized individual to the Office of Air Quality stating whether or not the source is in operation and in compliance with the terms and conditions contained in this registration.
- (b) The annual notice shall be submitted in the format attached no later than March 1 of each year to:

Indiana Department of Environmental Management  
Compliance and Enforcement Branch, Office of Air Quality  
100 North Senate Avenue

MC 61-53 IGCN 1003  
Indianapolis, IN 46204-2251

- (c) The notification shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.

**B.6 Source Modification Requirement [326 IAC 2-5.5-6(a)]**

---

Pursuant to 326 IAC 2-5.5-6(a), an application or notification shall be submitted in accordance with 326 IAC 2 to the Office of Air Quality (OAQ) if the source proposes to construct new emission units, modify existing emission units, or otherwise modify the source.

**B.7 Registrations [326 IAC 2-5.1-2(i)]**

---

Pursuant to 326 IAC 2-5.1-2(i), this registration does not limit the source's potential to emit.

**SECTION C**

**SOURCE OPERATION CONDITIONS**

**Entire Source**

**Emission Limitations and Standards [326 IAC 2-5.1-2(g)] [326 IAC 2-5.5-4(b)]**

**C.1 Opacity [326 IAC 5-1]**

Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations), opacity shall meet the following, unless otherwise stated in this registration:

- (a) Opacity shall not exceed an average of forty percent (40%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
- (b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of 15 minutes (60 readings) in a 6-hour period as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor in a six (6) hour period.

**C.2 Fugitive Dust Emissions [326 IAC 6-4]**

The Registrant shall not allow fugitive dust to escape beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located, in a manner that would violate 326 IAC 6-4 (Fugitive Dust Emissions).

## SECTION D.1

## OPERATION CONDITIONS

Facility Description [326 IAC 2-5.1-2(f)(2)] [326 IAC 2-5.5-4(a)(2)]:

(a) Muffler Assembly

- (1) Thirty four (34) semi-automatic MIG welding stations, approved for construction in 2001, with a maximum capacity of 11.6 pounds of wire per hour (lbs/hr), each;
- (1) Forty-three (43) semi-automatic MIG welding stations, with a maximum capacity of 12.3 pounds of wire per hour (lbs/hr), each;
- (2) Four (4) semi-automatic MIG welding stations, approved for construction in 2006, with a maximum capacity of 12.3 pounds of wire per hour (lbs/hr), each;
- (3) Three (3) semi-automatic MIG welding stations, approved for construction in 2009, with a maximum capacity of 12.3 pounds of wire per hour (lbs/hr), each;
- (4) Five (5) robotic welding stations, approved for construction in 2001, with a maximum capacity of 12.3 pounds of wire per hour, each;
- (5) Five (5) robotic welding stations, approved for construction in 2006, with a maximum capacity of 12.3 pounds of wire per hour (lbs/hr), each;
- (6) Four (4) robotic welding stations, approved for construction in 2008, with a maximum capacity of 12.3 pounds of wire per hour (lbs/hr), each;
- (7) Five (5) robotic welding stations, approved for construction in 2009, with a maximum capacity of 12.3 pounds of wire per hour (lbs/hr), each;
- (8) Twenty-nine (29) MIG/TIG hand welding stations, approved for construction in 2001, with a maximum capacity of 12.3 pounds of wire per hour (lbs/hr), each;
- (9) Five (5) MIG/TIG hand welding stations, approved for construction in 2006, with a maximum capacity of 12.3 pounds of wire per hour (lbs/hr), each;
- (10) One (1) MIG/TIG hand welding station, approved for construction in 2009, with a maximum capacity of 12.3 pounds of wire per hour (lbs/hr);
- (11) One (1) tube mill induction welding station, approved for construction in 2001, with a maximum capacity of 22,500 pounds of stainless steel per hour (lbs/hr);
- (12) Two (2) stick welding units, approved for construction in 2001, that will be used for repair;
- (13) Two (2) tube mill mist collectors, approved for construction in 2001;
- (14) Four (4) plasma welding stations, approved for construction in 2006, with a maximum capacity of 1000 pounds of steel per hour (lbs/hr), each ; and
- (15) Three (3) plasma cutters, approved for construction in 2008, with a maximum capacity of 2000 pounds per hour (lbs/hr) of miscellaneous parts for

maintenance and quality control, each.

The Particulate Matter emissions from these welding stations are controlled by six (6) baghouses, identified as T-1, T-2, T-3, T-4, T-5 and T-6.

(The information describing the process contained in this emissions unit description box is descriptive information and does not constitute enforceable conditions.)

### **Emission Limitations and Standards [326 IAC 2-5.1-2(f)(1)] [326 IAC 2-5.5-4(a)(1)]**

#### **D.1.1 Particulate Emission Limitations for Manufacturing Processes [326 IAC 6-3]**

Pursuant to 326 IAC 6-3 (Particulate Emission Limitations for Manufacturing Processes)

- (a) The PM emission from the welding operation shall be limited to 1.4 pounds per hour at process weight rate of 0.20 tons per hour. This limit shall be determined using the following equation:

Interpolation and extrapolation of the data for the process weight rate up to sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

$$E = 4.10 P^{0.67} \quad \text{where } E = \text{rate of emission in pounds per hour and} \\ P = \text{process weight rate in tons per hour}$$

- (b) The baghouses shall be in operation at all times the welding operation is in operation, in order to comply with this limit.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR QUALITY  
COMPLIANCE AND ENFORCEMENT BRANCH**

**REGISTRATION  
ANNUAL NOTIFICATION**

This form should be used to comply with the notification requirements under 326 IAC 2-5.1-2(f)(3) and 326 IAC 2-5.5-4(a)(3).

<b>Company Name:</b>	Tenneco Automotive Operating Company, Inc.
<b>Address:</b>	1490 Gerber Street
<b>City:</b>	Ligonier, Indiana 46767
<b>Phone Number:</b>	(219) 894-9400
<b>Registration No.:</b>	113-14290-00077

I hereby certify that Tenneco Automotive Operating Company, Inc. is :

still in operation.

I hereby certify that Tenneco Automotive Operating Company, Inc. is :

no longer in operation.

in compliance with the requirements of Registration No. 113-14290-00077.

not in compliance with the requirements of Registration No. 113-14290-00077.

<b>Authorized Individual (typed):</b>
<b>Title:</b>
<b>Signature:</b>
<b>Phone Number:</b>
<b>Date:</b>

If there are any conditions or requirements for which the source is not in compliance, provide a narrative description of how the source did or will achieve compliance and the date compliance was, or will be achieved.

<b>Noncompliance:</b>

**Indiana Department of Environmental Management  
Office of Air Quality**

Technical Support Document (TSD) for a Registration Revision

**Source Description and Location**

**Source Name:** Tenneco Automotive Operating Company, Inc.  
**Source Location:** 1490 Gerber St., Ligonier, IN 46767  
**County:** Noble  
**SIC Code:** 3714  
**Registration No.:** 113-14290-00077  
**Registration Issuance Date:** May 10, 2001  
**Registration Revision No.:** 113-27888-00077  
**Permit Reviewer:** Jillian Bertram

On May 6, 2009, the Office of Air Quality (OAQ) received an application from Tenneco Automotive Operating Company, Inc. related to a modification to an existing muffler and automotive parts manufacturer.

**Existing Approvals**

The source was issued Registration No. 113-14290-00077 on May 10, 2001. The source has since received the following approvals:

- (a) Registration Revision No. 113-22418-00077, issued on February 2, 2006; and
- (b) Notice-Only Change No. 113-26004-00077, issued on March 3, 2008.

**County Attainment Status**

The source is located in Noble County.

Pollutant	Designation
SO <sub>2</sub>	Better than national standards.
CO	Unclassifiable or attainment effective November 15, 1990.
O <sub>3</sub>	Unclassifiable or attainment effective June 15, 2004, for the 8-hour ozone standard. <sup>1</sup>
PM <sub>10</sub>	Unclassifiable effective November 15, 1990.
NO <sub>2</sub>	Cannot be classified or better than national standards.
Pb	Not designated.
<sup>1</sup> Unclassifiable or attainment effective October 18, 2000, for the 1-hour ozone standard which was revoked effective June 15, 2005. Unclassifiable or attainment effective April 5, 2005, for PM <sub>2.5</sub> .	

- (a) **Ozone Standards**  
Volatile organic compounds (VOC) and Nitrogen Oxides (NO<sub>x</sub>) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone. Therefore, VOC and NO<sub>x</sub> emissions are considered when evaluating the rule applicability relating to ozone. Noble County has been designated as attainment or unclassifiable for ozone. Therefore, VOC and NO<sub>x</sub> emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

- (b) **PM2.5**  
 Noble County has been classified as attainment for PM2.5. On May 8, 2008, U.S. EPA promulgated the requirements for Prevention of Significant Deterioration (PSD) for PM2.5 emissions, and the effective date of these rules was July 15<sup>th</sup>, 2008. Indiana has three years from the publication of these rules to revise its PSD rules, 326 IAC 2-2, to include those requirements. The May 8, 2008 rule revisions require IDEM to regulate PM10 emissions as a surrogate for PM2.5 emissions until 326 IAC 2-2 is revised.
- (c) **Other Criteria Pollutants**  
 Noble County has been classified as attainment or unclassifiable in Indiana for all other criteria pollutants. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

**Fugitive Emissions**

The fugitive emissions of criteria pollutants and hazardous air pollutants are counted toward the determination of 326 IAC 2-5.1-2 (Registrations) applicability.

**Status of the Existing Source**

The table below summarizes the potential to emit of the entire source, prior to the proposed revision, after consideration of all enforceable limits established in the effective permits:

Process/ Emission Unit	Potential To Emit of the Entire Source Prior to Revision (tons/year)								
	PM	PM10	PM2.5	SO <sub>2</sub>	NO <sub>x</sub>	VOC	CO	Total HAPs	Worst Single HAP
34 semi-automatic MIG welding stations @ 11.6 pounds of wire per hour *	3.11	3.11	3.11	0.00	0.00	0.00	0.00	0.18	0.11-chromium
43 semi-automatic MIG welding stations @ 12.3 pounds per hour *	4.20	4.20	4.20	0.00	0.00	0.00	0.00	0.27	0.15 - chromium
5 robotic welding stations @ 12.3 pounds per hour *	0.88	0.88	0.88	0.00	0.00	0.00	0.00	0.05	0.03 - chromium
29 MIG/TIG hand welding stations @ 12.3 pounds per hour *	5.06	5.06	5.06	0.00	0.00	0.00	0.00	0.34	0.20 - chromium
2 stick welding stations *	0.20	0.20	0.20	0.00	0.00	0.00	0.00	0.34	0.20 - chromium
4 semi-automatic MIG welding stations @ 12.3 pounds per hour *	0.70	0.70	0.70	0.00	0.00	0.00	0.00	0.17	0.08 - nickel
5 robotic welding stations @ 12.3 pounds per hour *	0.88	0.88	0.88	0.00	0.00	0.00	0.00	0.06	0.03 - chromium

Process/ Emission Unit	Potential To Emit of the Entire Source Prior to Revision (tons/year)								
	PM	PM10	PM2.5	SO <sub>2</sub>	NO <sub>x</sub>	VOC	CO	Total HAPs	Worst Single HAP
5 MIG/TIG hand welding stations @12.3 pounds per hour *	0.36	0.36	0.36	0.00	0.00	0.00	0.00	0.12	0.06 - nickel
4 robotic welding stations@12.3 pounds per hour	0.53	0.53	0.53	0.00	0.00	0.00	0.00	0.18	0.07 - chromium
3 plasma cutters	0.02	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00
Natural-gas combustion	0.01	0.05	0.05	0.00	7.10	0.40	6.00	0.13	0.13 - hexane
<b>Total PTE of the Entire Source</b>	<b>15.95</b>	<b>15.99</b>	<b>15.99</b>	<b>0.00</b>	<b>7.10</b>	<b>0.40</b>	<b>6.00</b>	<b>1.84</b>	<b>0.80 - chromium</b>
Exemptions Levels	5	5	5	10	10	5 or 10	25	25	10
Registration Levels	25	25	25	25	25	25	100	25	10
negl. = negligible These emissions are based upon previous approvals. * These emissions were calculated using cycle times as a limiting factor.									

**Description of Proposed Revision**

The Office of Air Quality (OAQ) has reviewed an application, submitted by Tenneco Automotive Operating Company, Inc. on May 6, 2009, relating to the addition of three semi-automatic welding stations, five robotic welding stations, and one hand welding station as well as the removal of one tube welder that was never installed.

The following is a list of the new emission unit:

- (a) Three (3) semi-automatic MIG welding stations, approved for construction in 2009, with a maximum capacity of 12.3 pounds of wire per hour (lbs/hr), each;
- (b) Five (5) robotic welding stations, approved for construction in 2009, with a maximum capacity of 12.3 pounds of wire per hour (lbs/hr), each; and
- (c) One (1) MIG/TIG hand welding station, approved for construction in 2009, with a maximum capacity of 12.3 pounds of wire per hour (lbs/hr).

Removed emission unit:

One (1) tube mill induction welding station, approved for construction in 2001, with a maximum capacity of 22,500 pounds of stainless steel per hour.

**Enforcement Issues**

There are no pending enforcement actions related to this revision.

**Emission Calculations**

See Appendix A of this TSD for detailed emission calculations.

**Permit Level Determination – Registration Revision**

The following table is used to determine the appropriate permit level under 326 IAC 2-5.5-6. This table reflects the PTE before controls of the proposed revision.

Process/ Emission Unit	PTE of Proposed Revision (tons/year)								
	PM	PM10*	PM2.5	SO <sub>2</sub>	NOx	VOC	CO	Total HAPs	Worst Single HAP
3 semi-automatic MIG welding stations @ 12.3 pounds per hour	1.75	1.75	1.75	0.00	0.00	0.00	0.00	0.12	0.06 - chromium
5 robotic welding stations @ 12.3 pounds per hour	2.91	2.91	2.91	0.00	0.00	0.00	0.00	0.20	0.11 - chromium
1 MIG/TIG hand welding stations @ 12.3 pounds per hour	0.58	0.58	0.58	0.00	0.00	0.00	0.00	0.04	0.02 - chromium
<b>Total PTE of Proposed Revision</b>	<b>5.24</b>	<b>5.24</b>	<b>5.24</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.36</b>	<b>0.19 - chromium</b>
negl. = negligible									
* Under the Part 70 Permit program (40 CFR 70), particulate matter with an aerodynamic diameter less than or equal to a nominal 10 micrometers (PM10), not particulate matter (PM), is considered as a "regulated air pollutant".									

This Registration is being revised through a Registration Revision pursuant to 326 IAC 2-5.5.6(g), because the revision involves the construction of emission units with potential to emit (PTE) particulate greater than the thresholds in 326 IAC 2-5.5.6(d)(12).

**PTE of the Entire Source After Issuance of the Registration Revision**

The table below summarizes the potential to emit of the entire source after issuance of this revision, reflecting all limits, of the emission units.

Process/ Emission Unit	Potential To Emit of the Entire Source After Issuance of Revision (tons/year)								
	PM	PM10*	PM2.5	SO <sub>2</sub>	NOx	VOC	CO	Total HAPs	Worst Single HAP
34 semi-automatic MIG welding stations @ 11.6 pounds of wire per hour (2001)	3.11	3.11	3.11	0.00	0.00	0.00	0.00	0.18	0.11 - chromium
43 semi-automatic MIG welding stations @ 12.3 pounds per hour (2001)	4.20	4.20	4.20	0.00	0.00	0.00	0.00	0.27	0.15 - chromium
4 semi-automatic MIG welding stations @ 12.3 pounds per hour (2006)	0.70	0.70	0.70	0.00	0.00	0.00	0.00	0.17	0.08 - nickel

Process/ Emission Unit	Potential To Emit of the Entire Source After Issuance of Revision (tons/year)								
	PM	PM10*	PM2.5	SO <sub>2</sub>	NO <sub>x</sub>	VOC	CO	Total HAPs	Worst Single HAP
3 semi-automatic MIG welding stations @ 12.3 pounds per hour (2009)	1.75	1.75	1.75	0.00	0.00	0.00	0.00	0.12	0.06 - chromium
5 robotic welding stations @ 12.3 pounds per hour (2001)	0.88	0.88	0.88	0.00	0.00	0.00	0.00	0.05	0.03 - chromium
5 robotic welding stations @ 12.3 pounds per hour (2006)	0.88	0.88	0.88	0.00	0.00	0.00	0.00	0.06	0.03 - chromium
4 robotic welding stations @ 12.3 pounds per hour (2008)	0.53	0.53	0.53	0.00	0.00	0.00	0.00	0.18	0.07 - chromium
5 robotic welding stations @ 12.3 pounds per hour (2009)	2.91	2.91	2.91	0.00	0.00	0.00	0.00	0.20	0.11 - chromium
29 MIG/TIG hand welding stations @ 12.3 pounds per hour (2001)	5.06	5.06	5.06	0.00	0.00	0.00	0.00	0.34	0.20 - chromium
5 MIG/TIG hand welding stations @ 12.3 pounds per hour (2006)	0.36	0.36	0.36	0.00	0.00	0.00	0.00	0.12	0.06 - nickel
1 MIG/TIG hand welding stations @ 12.3 pounds per hour (2009)	0.58	0.58	0.58	0.00	0.00	0.00	0.00	0.04	0.02 - chromium
2 stick welding stations (2001)	0.20	0.20	0.20	0.00	0.00	0.00	0.00	0.34	0.20 - chromium
3 plasma cutters (2008)	0.02	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00
Natural-gas combustion (2001)	0.01	0.05	0.05	0.00	7.10	0.40	6.00	0.13	0.13 - hexane
<b>Total PTE of Entire Source</b>	<b>21.19</b>	<b>21.23</b>	<b>21.23</b>	<b>0.00</b>	<b>7.10</b>	<b>0.40</b>	<b>6.00</b>	<b>2.20</b>	<b>0.99 - chromium</b>
Exemptions Levels	5	5	5	10	10	5 or 10	25	25	10
Registration Levels	25	25	25	25	25	25	100	25	10
negl. = negligible * Under the Part 70 Permit program (40 CFR 70), particulate matter with an aerodynamic diameter less than or equal to a nominal 10 micrometers (PM10), not particulate matter (PM), is considered as a "regulated air pollutant".  (year approved for construction)									

- (a) This revision will not change the registration status of the source, because the uncontrolled/unlimited potential to emit of all regulated pollutants from the entire source will still be within the ranges listed in 326 IAC 2-5.5-1(b)(1) and the PTE of all other regulated criteria pollutants will still be less than the ranges listed in 326 IAC 2-5.5-1(b)(1). Therefore, the source will still be subject to the provisions of 326 IAC 2-5.5 (Registrations).
- (b) This revision will not change the minor status of the source, because the uncontrolled/unlimited potential to emit of any single HAP will still be less than ten (10) tons per year and the PTE of a combination of HAPs will still be less than twenty-five (25) tons per year. Therefore, this source is an area source under Section 112 of the Clean Air Act (CAA) and not subject to the provisions of 326 IAC 2-7.

### **Federal Rule Applicability Determination**

The federal rules applicable to the existing emission units at this source will not change as a result of this revision.

#### New Source Performance Standards (NSPS)

There are no New Source Performance Standards (NSPS) (326 IAC 12 and 40 CFR Part 60) included for this proposed revision.

#### National Emission Standards for Hazardous Air Pollutants (NESHAP)

There are no National Emission Standards for Hazardous Air Pollutants (NESHAPs) (326 IAC 14, 326 IAC 20 and 40 CFR Part 63) included for this proposed revision.

#### Compliance Assurance Monitoring (CAM)

Pursuant to 40 CFR 64.2, Compliance Assurance Monitoring (CAM) is not included in the permit, because the potential to emit of the source is limited to less than the Title V major source thresholds and the source is not required to obtain a Part 70 or Part 71 permit.

### **State Rule Applicability Determination**

The state rules applicable to the existing emission units at this source will not change as a result of this revision.

The following state rules are applicable to the proposed revision:

- (a) 326 IAC 2-5.5 (Registrations)  
Registration applicability is discussed under the Permit Level Determination – Registration section above.
- (b) 326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants (HAP))  
The proposed revision is not subject to the requirements of 326 IAC 2-4.1, since the unlimited potential to emit of HAPs from the new units is less than ten (10) tons per year for any single HAP and less than twenty-five (25) tons per year of a combination of HAPs.
- (c) 326 IAC 2-6 (Emission Reporting)

Pursuant to 326 IAC 2-6-1, this source is not subject to this rule, because it is not required to have an operating permit under 326 IAC 2-7 (Part 70), it is not located in Lake, Porter, or LaPorte

County, and it does not emit lead into the ambient air at levels equal to or greater than 5 tons per year. Therefore, 326 IAC 2-6 does not apply.

- (d) 326 IAC 5-1 (Opacity Limitations)  
Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations), opacity shall meet the following, unless otherwise stated in this permit:
- (1) Opacity shall not exceed an average of forty percent (40%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
  - (2) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.
- (e) 326 IAC 6-4 (Fugitive Dust Emissions Limitations)  
Pursuant to 326 IAC 6-4 (Fugitive Dust Emissions Limitations), the source shall not allow fugitive dust to escape beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located, in a manner that would violate 326 IAC 6-4.

#### New Welding Units

- (f) 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes)  
Pursuant to 326 IAC 6-3 (Particulate Emission Limitations for Manufacturing Processes)
- (1) The PM emission from the welding operation shall be limited to 25.9 pounds per hour at process weight rate of 15.62 tons per hour. This limit shall be determined using the following equation:  
  
Interpolation and extrapolation of the data for the process weight rate up to sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:  
  
$$E = 4.10 P^{0.67}$$
 where E = rate of emission in pounds per hour and  
P = process weight rate in tons per hour
  - (2) The baghouses shall be in operation at all times the welding operation is in operation, in order to comply with this limit.
- (g) 326 IAC 8-1-6 (VOC Rules: General Reduction Requirements for New Facilities)  
The proposed revision is not subject to the requirements of 326 IAC 8-1-6, since the unlimited VOC potential emissions from each new is less than twenty-five (25) tons per year.
- (h) There are no other 326 IAC 8 Rules that are applicable to the welding units.

<b>Proposed Changes</b>
-------------------------

- (a) The following changes listed below are due to the proposed revision. Deleted language appears as ~~strikethrough~~ text and new language appears as **bold** text:

#### A.2 Emission Units and Pollution Control Equipment Summary

This stationary source consists of the following emission units and pollution control devices:

- (a) Muffler Assembly

- (1) Thirty four (34) **semi-automatic MIG welding stations, approved for construction in 2009, each station is capable of using with a maximum capacity of 11.6 pounds of wire per hour (lbs/hr), each;**
- (2) ~~Forty-seven (47)~~ **Forty-three (43) semi-automatic MIG welding stations, approved for construction in 2001, each station is capable of using with a maximum capacity of 12.3 pounds of wire per hour (lbs/hr), each welding wire;**
- (3) **Four (4) semi-automatic MIG welding stations, approved for construction in 2006, with a maximum capacity of 12.3 pounds of wire per hour (lbs/hr), each;**
- (4) **Three (3) semi-automatic MIG welding stations, approved for construction in 2009, with a maximum capacity of 12.3 pounds of wire per hour (lbs/hr), each;**
- ~~(3)~~(5) **Fourteen (14) Five (5) robotic welding stations, approved for construction in 2001, each station is capable of using with a maximum capacity of 12.3 pounds of wire per hour (lbs/hr), each welding wire;**
- (6) **Five (5) robotic welding stations, approved for construction in 2006, with a maximum capacity of 12.3 pounds of wire per hour (lbs/hr), each;**
- (7) **Four (4) robotic welding stations, approved for construction in 2008, with a maximum capacity of 12.3 pounds of wire per hour (lbs/hr), each;**
- (8) **Five (5) robotic welding stations, approved for construction in 2009, with a maximum capacity of 12.3 pounds of wire per hour (lbs/hr), each;**
- ~~(4)~~(9) **Thirty-three (33) Twenty-nine (29) MIG/TIG hand welding stations, approved for construction in 2001, with a maximum capacity of each is capable of using 12.3 pounds of wire per hour (lbs/hr), each welding wire;**
- (10) **Five (5) MIG/TIG hand welding stations, approved for construction in 2006, with a maximum capacity of 12.3 pounds of wire per hour (lbs/hr), each;**
- (11) **One (1) MIG/TIG hand welding station, approved for construction in 2009, with a maximum capacity of 12.3 pounds of wire per hour (lbs/hr);**
- ~~(5)~~(12) **Two (2) One (1) tube mill induction welding stations, approved for construction in 2001, which has a capacity of with a maximum capacity of 22,500 pounds of stainless steel per hour (lbs/hr) of stainless steel; each;**
- ~~(6)~~(13) **Two (2) stick welding units, approved for construction in 2001, that will be used for repair;**
- ~~(7)~~(14) **Two (2) tube mill mist collectors, approved for construction in 2001;**
- ~~(8)~~(15) **Four (4) plasma welding stations, approved for construction in 2006, each station is capable of welding with a maximum capacity of 1000-lbs pounds of steel per hour (lbs/hr), each; and**
- ~~(9)~~(16) **Three (3) plasma cutters, approve for construction in 2008, each station is**

~~capable of cutting~~ **with a maximum capacity of 2000 lbs pounds** per hour **(lbs/hr)** of miscellaneous parts for maintenance and quality control, **each**.

The Particulate Matter emissions from these welding stations are controlled by six (6) baghouses, identified as T-1, T-2, T-3, T-4, T-5 and T-6.

- (b) Three (3) natural gas-fired air make-up units, **approved for construction in 2001**, each has a heat input capacity of 4.125 million British thermal Units per hour (mmBtu/hr); and
- (c) One (1) natural gas-fired air make-up unit, **approved for construction in 2001**, with a heat input capacity of 3.85 mmBtu/hr.

\*\*\*

## SECTION D.1

## OPERATION CONDITIONS

Facility Description [326 IAC 2-5.1-2(f)(2)] [326 IAC 2-5.5-4(a)(2)]:

(a) Muffler Assembly

- (1) Thirty four (34) **semi-automatic MIG welding stations, approved for construction in 2009, each station is capable of using with a maximum capacity of 11.6 pounds of wire per hour (lbs/hr), each;**
- (2) ~~Forty seven (47)~~ **Forty-three (43) semi-automatic MIG welding stations, approved for construction in 2001, each station is capable of using with a maximum capacity of 12.3 pounds of wire per hour (lbs/hr), each welding wire;**
- (3) **Four (4) semi-automatic MIG welding stations, approved for construction in 2006, with a maximum capacity of 12.3 pounds of wire per hour (lbs/hr), each;**
- (4) **Three (3) semi-automatic MIG welding stations, approved for construction in 2009, with a maximum capacity of 12.3 pounds of wire per hour (lbs/hr), each;**
- ~~(3)~~(5) **Fourteen (14) Five (5) robotic welding stations, approved for construction in 2001, each station is capable of using with a maximum capacity of 12.3 pounds of wire per hour (lbs/hr), each welding wire;**
- (6) **Five (5) robotic welding stations, approved for construction in 2006, with a maximum capacity of 12.3 pounds of wire per hour (lbs/hr), each;**
- (7) **Four (4) robotic welding stations, approved for construction in 2008, with a maximum capacity of 12.3 pounds of wire per hour (lbs/hr), each;**
- (8) **Five (5) robotic welding stations, approved for construction in 2009, with a maximum capacity of 12.3 pounds of wire per hour (lbs/hr), each;**
- ~~(4)~~(9) **Thirty three (33) Twenty-nine (29) MIG/TIG hand welding stations, approved for construction in 2001, with a maximum capacity of each is capable of using 12.3 pounds of wire per hour (lbs/hr), each welding wire;**

- (10) **Five (5) MIG/TIG hand welding stations, approved for construction in 2006, with a maximum capacity of 12.3 pounds of wire per hour (lbs/hr), each;**
- (11) **One (1) MIG/TIG hand welding station, approved for construction in 2009, with a maximum capacity of 12.3 pounds of wire per hour (lbs/hr);**
- ~~(5)~~(12) **Two (2) One (1) tube mill induction welding stations, approved for construction in 2001, which has a capacity of with a maximum capacity of 22,500 pounds of stainless steel per hour (lbs/hr) of stainless steel; each;**
- ~~(6)~~(13) **Two (2) stick welding units, approved for construction in 2001, that will be used for repair;**
- ~~(7)~~(14) **Two (2) tube mill mist collectors, approved for construction in 2001;**
- ~~(8)~~(15) **Four (4) plasma welding stations, approved for construction in 2006, each station is capable of welding with a maximum capacity of 1000 lbs pounds of steel per hour (lbs/hr), each; and**
- ~~(9)~~(16) **Three (3) plasma cutters, approve for construction in 2008, each station is capable of cutting with a maximum capacity of 2000 lbs pounds per hour (lbs/hr) of miscellaneous parts for maintenance and quality control, each.**

The Particulate Matter emissions from these welding stations are controlled by six (6) baghouses, identified as T-1, T-2, T-3, T-4, T-5 and T-6.

(The information describing the process contained in this emissions unit description box is descriptive information and does not constitute enforceable conditions.)

#### **Emission Limitations and Standards [326 IAC 2-5.1-2(f)(1)] [326 IAC 2-5.5-4(a)(1)]**

Due to the addition of the new welding units, the process weight rate for the welding operation increased. Process weight rates using cycle times were retained for earlier permitted units.

##### **D.1.1 Particulate Emission Limitations for Manufacturing Processes [326 IAC 6-3]**

Pursuant to 326 IAC 6-3 (Particulate Emission Limitations for Manufacturing Processes)

- (a) The PM emission from the welding operation shall be limited to ~~4.3~~ **1.4** pounds per hour at process weight rate of ~~0.17~~ **0.20** tons per hour. This limit shall be determined using the following equation:

Interpolation and extrapolation of the data for the process weight rate up to sixty thousand (60,000) pounds per hour shall be accomplished by use of the equation:

$$E = 4.10 P^{0.67} \quad \text{where } E = \text{rate of emission in pounds per hour and} \\ P = \text{process weight rate in tons per hour}$$

- (b) The baghouses shall be in operation at all times the welding operation is in operation, in order to comply with this limit.

### Conclusion and Recommendation

Unless otherwise stated, information used in this review was derived from the application and additional information submitted by the applicant. An application for the purposes of this review was received on May 6, 2009.

The construction and operation of this proposed revision shall be subject to the conditions of the attached proposed Registration Revision No. 113-27888-00077. The staff recommends to the Commissioner that this Registration Revision be approved.

### IDEM Contact

- (a) Questions regarding this proposed permit can be directed to Jillian Bertram at the Indiana Department Environmental Management, Office of Air Quality, Permits Branch, 100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, Indiana 46204-2251 or by telephone at (317)234-5377 or toll free at 1-800-451-6027 extension 4-5377.
- (b) A copy of the findings is available on the Internet at: <http://www.in.gov/ai/appfiles/idem-caats/>
- (c) For additional information about air permits and how the public and interested parties can participate, refer to the IDEM's Guide for Citizen Participation and Permit Guide on the Internet at: [www.idem.in.gov](http://www.idem.in.gov)

**Appendix A: Emissions Calculations**

**Welding**

**New Emission Units**

**Company Name:** Tenneco Automotive Operating Company, Inc.  
**Address City IN Zip:** 1490 Gerber St., Ligonier, IN 46767  
**Permit Number:** 113-27888-00077  
**Reviewer:** Jillian Bertram  
**Date:** 5/7/2009

PROCESS	Number of Stations	Max. electrode consumption per station (lbs/hr)	EMISSION FACTORS* (lb pollutant/lb electrode)				EMISSIONS (lbs/hr)				HAPS (lbs/hr)
			PM = PM10	Mn	Ni	Cr	PM = PM10	Mn	Ni	Cr	
WELDING											
MIG semi-automatic welding stations	3	12.3	0.0108	0.0003	0.00004	0.0004	0.399	0.011	0.001	0.01476	0.027
MIG robotic welding stations	5	12.3	0.0108	0.0003	0.00004	0.0004	0.664	0.018	0.002	0.0246	0.046
MIG hand welding station	1	12.3	0.0108	0.0003	0.00004	0.0004	0.133	0.004	0.000	0.00492	0.009
<b>EMISSION TOTALS</b>											
Potential Emissions lbs/hr							1.20	0.03	0.00	0.04	0.08
Potential Emissions lbs/day							28.69	0.80	0.11	1.06	1.97
Potential Emissions tons/year							5.24	0.15	0.02	0.19	0.36

**METHODOLOGY**

\*Emission Factors are default values for carbon steel unless a specific electrode type is noted in the Process column.  
Welding emissions, lb/hr: (# of stations)(max. lbs of electrode used/hr/station)(emission factor, lb. pollutant/lb. of electrode used)  
Emissions, lbs/day = emissions, lbs/hr x 24 hrs/day  
Emissions, tons/yr = emissions, lb/hr x 8,760 hrs/year x 1 ton/2,000 lbs.

## Appendix A: Emissions Calculations

## Welding

## Source-wide Summary

Company Name: Tenneco Automotive Operating Company, Inc.

Address City IN Zip: 1490 Gerber St., Ligonier, IN 46767

Permit Number: 113-27888-00077

Reviewer: Jillian Bertram

Date: 5/7/2009

Emission Unit	PM (tons/yr)	PM-10 (tons/yr)	NOx (tons/yr)	VOC (tons/yr)	CO (tons/yr)	Mn (tons/yr)	Cr (tons/yr)	Ni (tons/yr)	Total HAP(tons/yr)	Permit Reference*
34 semi-automatic MIG welding stations @ 11.6 pounds of wire per hour (2001)	3.11	3.11	0.00	0.00	0.00	0.07	0.11	0.00	0.18	113-14290-00077
43 semi-automatic MIG welding stations @ 12.3 pounds per hour (2001)	4.20	4.20	0.00	0.00	0.00	0.10	0.15	0.02	0.27	113-14290-00077
4 semi automatic MIG welding stations @ 12.3 pounds per hour (2006)	0.70	0.70	0.00	0.00	0.00	0.06	0.03	0.08	0.17	113-22418-00077
3 semi-automatic MIG welding stations @ 12.3 pounds per hour (2009)	1.75	1.75		0.00	0.00	0.05	0.06	0.01	0.12	113-27888-00077
5 robotic welding stations @ 12.3 pounds per hour (2001)	0.88	0.88	0.00	0.00	0.00	0.02	0.03	0.00	0.05	113-14290-00077
5 robotic welding stations @ 12.3 pounds per hour (2006)	0.88	0.88	0.00	0.00	0.00	0.02	0.03	0.01	0.06	113-22418-00077
4 robotic welding stations @ 12.3 pounds per hour (2008)	0.53	0.53	0.00	0.00	0.00	0.07	0.04	0.07	0.18	113-26004-00077

**Appendix A: Emissions Calculations****Welding****Source-wide Summary****Company Name:** Tenneco Automotive Operating Company, Inc.**Address City IN Zip:** 1490 Gerber St., Ligonier, IN 46767**Permit Number:** 113-27888-00077**Reviewer:** Jillian Bertram**Date:** 5/7/2009

5 robotic welding stations @12.3 pounds per hour (2009)	2.91	2.91	0.00	0.00	0.00	0.08	0.11	0.01	0.20	113-27888-00077
29 MIG/TIG hand welding stations @ 12.3 pounds per hour (2001)	5.06	5.06	0.00	0.00	0.00	0.12	0.20	0.02	0.34	113-14290-00077
5 MIG/TIG hand welding stations @12.3 pounds per hour (2006)	0.36	0.36	0.00	0.00	0.00	0.05	0.01	0.06	0.12	113-22418-00077
1 MIG/TIG hand welding stations @12.3 pounds per hour (2009)	0.58	0.58	0.00	0.00	0.00	0.02	0.02	0.00	0.04	113-27888-00077
2 stick welding stations (2001)	0.20	0.20	0.00	0.00	0.00	0.12	0.20	0.02	0.34	113-14290-00077
3 plasma cutters (2008)	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	113-26004-00077
Natural gas combustion (2001)	0.01	0.05	7.10	0.40	6.00	0.00	0.00	0.00	0.13	113-14290-00077
<b>Total</b>	<b>21.19</b>	<b>21.23</b>	<b>7.10</b>	<b>0.40</b>	<b>6.00</b>	<b>0.78</b>	<b>0.99</b>	<b>0.30</b>	<b>2.20</b>	

\* Emissions in 113-14290-00077 and 113-22418-00077 were calculated using cycle time as a limiting factor taking into account the actual amount of time the station may operate. For the hand welding and robotic welding, the cycle time factor used was 0.30, for semi-automatic welding, the cycle time factor used was 0.16. For later approvals, 113-26004-00077 and 113-27888-00077, no factor was used. For future approvals a cycle time factor should not be used.



# INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

*We Protect Hoosiers and Our Environment.*

*Mitchell E. Daniels Jr.*  
**Governor**

*Thomas W. Easterly*  
**Commissioner**

100 North Senate Avenue  
Indianapolis, Indiana 46204  
(317) 232-8603  
Toll Free (800) 451-6027  
[www.idem.IN.gov](http://www.idem.IN.gov)

## **SENT VIA U.S. MAIL: CONFIRMED DELIVERY AND SIGNATURE REQUESTED**

**TO:** Charles Ramus  
Tenneco Automotive Operating Company, Inc  
1490 Gerber St  
Ligonier, IN 46767

**DATE:** May 29, 2009

**FROM:** Matt Stuckey, Branch Chief  
Permits Branch  
Office of Air Quality

**SUBJECT:** Final Decision  
Registration Revision  
113-27888-00077

Enclosed is the final decision and supporting materials for the air permit application referenced above. Please note that this packet contains the original, signed, permit documents.

The final decision is being sent to you because our records indicate that you are the contact person for this application. However, if you are not the appropriate person within your company to receive this document, please forward it to the correct person.

A copy of the final decision and supporting materials has also been sent via standard mail to:  
Peter Keck (Compliance Consulting Service, Inc)  
OAQ Permits Branch Interested Parties List

If you have technical questions regarding the enclosed documents, please contact the Office of Air Quality, Permits Branch at (317) 233-0178, or toll-free at 1-800-451-6027 (ext. 3-0178), and ask to speak to the permit reviewer who prepared the permit. If you think you have received this document in error, please contact Joanne Smiddie-Brush of my staff at 1-800-451-6027 (ext 3-0185), or via e-mail at [jbrush@idem.IN.gov](mailto:jbrush@idem.IN.gov).

Final Applicant Cover letter.dot 11/30/07

# Mail Code 61-53

IDEM Staff	MIDENNEY 5/29/2009 Tenneco Automotive Operating Company, Inc. 113-27888-00077 (final)		AFFIX STAMP HERE IF USED AS CERTIFICATE OF MAILING
Name and address of Sender	 Indiana Department of Environmental Management Office of Air Quality – Permits Branch 100 N. Senate Indianapolis, IN 46204	Type of Mail:  <b>CERTIFICATE OF MAILING ONLY</b>	

Line	Article Number	Name, Address, Street and Post Office Address	Postage	Handing Charges	Act. Value (If Registered)	Insured Value	Due Send if COD	R.R. Fee	S.D. Fee	S.H. Fee	Rest. Del. Fee	Remarks
1		Charles Ramus Tenneco Automotive Operating Company, Inc. 1490 Gerber St Ligonier IN 46767 (Source CAATS) via confirmed delivery										
2		Peter Keck Compliance Consulting Service, Inc. 207 Hoosier Drive, Suite 4 Angola IN 46703 (Consultant)										
3		Noble County Board of Commissioners 101 North Orange Street Albion IN 46701 (Local Official)										
4		Noble County Health Department 2090 N. State Rd 9, Suite C Albion IN 46701-9566 (Health Department)										
5		Mr. Steve Christman NISWMD 2320 W 800 S, P.O. Box 370 Ashley IN 46705 (Affected Party)										
6		Frederick & Iva Moore 6019 W 650 N Ligonier IN 46767 (Affected Party)										
7		Ligonier City Council and Mayors Office 103 West Third Street Ligonier IN 46767 (Local Official)										
8												
9												
10												
11												
12												
13												
14												
15												

Total number of pieces Listed by Sender  <b>6</b>	Total number of Pieces Received at Post Office	Postmaster, Per (Name of Receiving employee)	The full declaration of value is required on all domestic and international registered mail. The maximum indemnity payable for the reconstruction of nonnegotiable documents under Express Mail document reconstructing insurance is \$50,000 per piece subject to a limit of \$50, 000 per occurrence. The maximum indemnity payable on Express mil merchandise insurance is \$500. The maximum indemnity payable is \$25,000 for registered mail, sent with optional postal insurance. See <b>Domestic Mail Manual R900, S913, and S921</b> for limitations of coverage on inured and COD mail. See <b>International Mail Manual</b> for limitations o coverage on international mail. Special handling charges apply only to Standard Mail (A) and Standard Mail (B) parcels.
---	--	--	--