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

TO: Interested Parties / Applicant

DATE: May 3,2010

RE: Raben Tire Company, Inc / 051-29138-00047

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

Notice of Decision – Approval

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 326 IAC 2, this approval was effective immediately upon submittal of the application.

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 from 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
FNPER-AM.dot12/3/07

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

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Mr. Tom Raben
Raben Tire Company, Inc.
2100 N New York Ave
Evansville, IN 47711

May 3, 2010

Re: 051-29138-00047
Second Registration Notice-Only Change to
R051-21538-00047

Dear Mr. Tom Raben:

Raben Tire Company, Inc. was issued a Registration No. R051-21538-00047 on September 16, 2005, for a stationary truck tire retreading operation, located at 12580 South Northgate Drive, Haubstadt, IN. On April 5, 2010, the Office of Air Quality (OAQ) received an application from the source relating to the removal of the alternative dust collection system installed in 2009, the re-installation of the original cyclone that was replaced by the alternative dust collection system in 2009, and the addition of one (1) new cyclone. The addition of the new cyclone will eliminate both buffers being connected to one cyclone, since each buffer will be connected to its own cyclone. The replacement and additional cyclone will not result in the replacement or repair of the entire truck tire retreading process, does not qualify as a reconstruction of the entire truck tire retreading operation process, and will not result in an increase of actual emissions. Therefore, this change to the registration is considered a notice-only change pursuant to 326 IAC 2-5.5-6(d)(11).

Pursuant to 326 IAC 2-5.5-6, the registration is hereby revised as follows, with deleted language as ~~strikeouts~~ and new language **bolded**:

1. IDEM has corrected a typographic spelling error under Section A.1 of the permit, as follows:

A.1 General Information

The Registrant owns and operates a stationary truck tire reatreading operation.

2. IDEM has revised Sections A.2(a) and D.1 of the permit per the Notice-Only-Change application, and to indicate the emission units were constructed in 2005, as opposed to stating they will be constructed in 2005, as follows:

A.2 Emission Units and Pollution Control Equipment Summary

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

(a) Two (2) tire grinding and repair stations, identified as BUF, constructed in 2005, with a maximum capacity of 25 tires per hour, controlled by an integral tire grinding dust collection system, ~~and exhausting to the outdoors~~ **which includes two (2) cyclones, identified as Cyclone 1 and Cyclone 2, that exhaust to stacks C1 and C2, respectively.**

(b) One (1) tire dissolution application and repair operation, identified as REP, **constructed in 2005,** with a maximum capacity of 25 tires per hour, with emissions exhausting to stacks B and D. ~~This unit will be constructed in 2005.~~

(c) Two (2) tire extruding/building machines, identified as TB, **constructed in 2005,** with a maximum capacity of 25 tires per hour, with emissions exhausting to stacks B and D. ~~This unit will be constructed in 2005.~~

(d) Two (2) tire curing chambers, identified as CUR, **constructed in 2005,** with a maximum capacity of 25 tires per hour, uncontrolled and exhausting to stacks B and D. ~~This unit will be constructed in 2005.~~

(e) One (1) natural-gas fired water heater, identified as HEAT, **constructed in 2005,** with a rated capacity of 0.97 MMBtu/hr, with emissions exhausting to stack A. ~~This unit will be constructed in 2005.~~

3. IDEM has revised Sections B to include Preventive Maintenance Plan requirement, as follows:

B.8 Preventive Maintenance Plan [326 IAC 1-6-3]

(a) If required by specific condition(s) in Section D of this permit, the Registrant shall prepare and maintain Preventive Maintenance Plans (PMPs) within ninety (90) days after issuance of this permit or ninety (90) days after initial start-up, whichever is later, including the following information on each facility:

(1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;

(2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and

(3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

If, due to circumstances beyond the Registrant's control, the PMPs cannot be prepared and maintained within the above time frame, the Registrant may extend the date an additional ninety (90) days provided the Registrant notifies:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

The Permittee shall implement the PMPs.

(b) A copy of the PMPs shall be submitted to IDEM, OAQ upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ may require the Registrant to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions or potential to emit.

(c) To the extent the Registrant is required by 40 CFR Part 60 or 40 CFR Part 63 to have an Operation Maintenance, and Monitoring (OMM) Plan for a unit, such OMM Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

4. IDEM has revised Section D.1 to incorporate the cyclone revisions and to add the Preventive Maintenance requirement, as follows:

D.1.1 Particulate [326 IAC 6-3-2]

...

The ~~integral tire grinding dust collector system~~ **cyclones, identified as Cyclone 1 and Cyclone 2,** shall be in operation at all times the tire grinding **and repair stations, identified as BUF,** ~~process is~~ **are** in operation, in order to comply with this limit.

D.1.2 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan is required for this facility and its control device. Section B - Preventive Maintenance Plan contains the Registrant's obligation with regard to the preventive maintenance plan required by this condition.

In addition, Raben Tire Company, Inc. submitted updated calculations in TSD Appendix A, to incorporate the current emission factors from AP-42, Chapter 4.12 (Manufacturing of Rubber Products). The revised calculations have been reviewed by IDEM, OAQ, and are attached to this Notice-Only-Change.

The source shall continue to operate according to 326 IAC 2-5.5. Please find enclosed the revised registration. A copy of the registration is available on the Internet at: http://www.in.gov/ai/appfiles/idem-caats/. 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

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter, please contact Christine L. Filutze, at (800) 451-6027, press 0 and ask for Christine L. Filutze or extension 3-8397, or dial (317) 233-8397.

Sincerely,

Alfred C. Dumaual, Ph. D., Section Chief
Permits Branch
Office of Air Quality

ACD/clf

Attachment: Revised Registration, TSD Appendix A

cc: File - Gibson County
Gibson County Health Department
Compliance and Enforcement Branch
Billing, Licensing and Training Section

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REGISTRATION
OFFICE OF AIR QUALITY

Raben Tire Company, Inc.
12580 South Northgate Drive
Haubstadt, Indiana 47639

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. R051-21538-00047	
Original signed by: Nysa L. James, Section Chief Permits Branch Office of Air Quality	Issuance Date: September 16, 2005

First Registration Notice-Only Change No. 051-28145-00047, Issued on October 13, 2009

Second Registration Notice-Only Change No. 051-29138-00047	
Issued by: Alfred C. Dumaual, Ph. D., Section Chief Permits Branch Office of Air Quality	Issuance Date: May 3, 2010

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 truck tire retreading operation.

Source Address:	12580 South Northgate Drive, Haubstadt, Indiana 47639
Mailing Address:	2100 N New York Ave, Evansville, IN 47711
General Source Phone Number:	(812) 306-7431
SIC Code:	7534
County Location:	Gibson 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) Two (2) tire grinding and repair stations, identified as BUF, constructed in 2005, with a maximum capacity of 25 tires per hour, controlled by an integral tire grinding dust collection system, which includes two (2) cyclones, identified as Cyclone 1 and Cyclone 2, that exhaust to stacks C1 and C2, respectively.

(b) One (1) tire dissolution application and repair operation, identified as REP, constructed in 2005, with a maximum capacity of 25 tires per hour, with emissions exhausting to stacks B and D.

(c) Two (2) tire extruding/building machines, identified as TB, constructed in 2005, with a maximum capacity of 25 tires per hour, with emissions exhausting to stacks B and D.

(d) Two (2) tire curing chambers, identified as CUR, constructed in 2005, with a maximum capacity of 25 tires per hour, uncontrolled and exhausting to stacks B and D.

(e) One (1) natural-gas fired water heater, identified as HEAT, constructed in 2005, with a rated capacity of 0.97 MMBtu/hr, with emissions exhausting to stack A.

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 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. 051-21538-00047 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.

B.8 Preventive Maintenance Plan [326 IAC 1-6-3]

(a) If required by specific condition(s) in Section D of this permit, the Registrant shall prepare and maintain Preventive Maintenance Plans (PMPs) within ninety (90) days after issuance of this permit or ninety (90) days after initial start-up, whichever is later, including the following information on each facility:

(1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;

(2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and

(3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

If, due to circumstances beyond the Registrant's control, the PMPs cannot be prepared and maintained within the above time frame, the Registrant may extend the date an additional ninety (90) days provided the Registrant notifies:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

The Permittee shall implement the PMPs.

(b) A copy of the PMPs shall be submitted to IDEM, OAQ upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ may require the Registrant to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions or potential to emit.

(c) To the extent the Registrant is required by 40 CFR Part 60 or 40 CFR Part 63 to have an Operation Maintenance, and Monitoring (OMM) Plan for a unit, such OMM Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

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 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.

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) Two (2) tire grinding and repair stations, identified as BUF, constructed in 2005, with a maximum capacity of 25 tires per hour, controlled by an integral tire grinding dust collection system, which includes two (2) cyclones, identified as Cyclone 1 and Cyclone 2, that exhaust to stacks C1 and C2, respectively.

(b) One (1) tire dissolution application and repair operation, identified as REP, constructed in 2005, with a maximum capacity of 25 tires per hour, with emissions exhausting to stacks B and D.

(c) Two (2) tire extruding/building machines, identified as TB, constructed in 2005, with a maximum capacity of 25 tires per hour, with emissions exhausting to stacks B and D.

(d) Two (2) tire curing chambers, identified as CUR, constructed in 2005, with a maximum capacity of 25 tires per hour, uncontrolled and exhausting to stacks B and D.

(e) One (1) natural-gas fired water heater, identified as HEAT, constructed in 2005, with a rated capacity of 0.97 MMBtu/hr, with emissions exhausting to stack A.

(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 [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2, the allowable particulate emission rate from the tire grinding line shall not exceed 1.15 pounds per hour when operating at a process weight rate of 0.15 tons per hour.

The pound per hour limitation was calculated with the following equation:

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

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

The cyclones, identified as Cyclone 1 and Cyclone 2, shall be in operation at all times the tire grinding and repair stations, identified as BUF, are in operation, in order to comply with this limit.

D.1.2 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan is required for this facility and its control device. Section B - Preventive Maintenance Plan contains the Registrant's obligation with regard to the preventive maintenance plan required by this condition.

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).

Company Name:	Raben Tire Company, Inc.
Address:	12580 South Northgate Drive
City:	Haubstadt, Indiana 47639
Phone Number:	(812) 306-7431
Registration No.:	051-21538-00047

I hereby certify that Raben Tire Company, Inc.is :
☐ still in operation.
☐ no longer in operation.

I hereby certify that Raben Tire Company, Inc.is :
☐ in compliance with the requirements of Registration No. R051-21538-00047.
☐ not in compliance with the requirements of Registration No. R051-21538-00047.

Authorized Individual (typed):
Title:
Signature:
Phone Number:
Date:

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.

Noncompliance:

Appendix A: Emissions Calculations
Summary

Company Name: **Raben Tire Company, Inc.**
Address City IN Zip: **12580 South Northgate Dr, Haubstadt, IN**
Permit Number: **R051-21538-00047**
Notice-Only Change No.: **051-29138-00047**
Reviewer: **Christine L. Filutze**
Date: **May 3, 2010**

Potential To Emit (PTE) Before Controls

Pollutant	Tread Building (tpy)	Rubber Solution Application (tpy)	Tire Building (tpy)	Curing (tpy)	Natural Gas Boiler (tpy)	**Total (tpy)**
HAPs	0.17	0.00	4.65	0.33	0.00	**5.14**
CO	0.00	0.00	0.00	0.00	0.35	**0.35**
NO_x	0.00	0.00	0.00	0.00	0.41	**0.41**
SO_2	0.00	0.00	0.00	0.00	0.00	**0.00**
PM	1314.00	0.00	0.00	0.00	0.03	**1314.03**
PM_{10}PM2.5	131.40	0.00	0.00	0.00	0.03	**131.43**
VOC	0.68	5.34	0.004	1.07	0.02	**7.12**
Pb	0.0027	0.00	0.00	0.00	0.000	**0.003**

Potential To Emit (PTE) After Controls

Pollutant	Tread Building (tpy)	Rubber Solution Application (tpy)	Tire Building (tpy)	Curing (tpy)	Natural Gas Boiler (tpy)	**Total (tpy)**
HAPs	0.17	0.00	4.65	0.33	0.00	**5.14**
CO	0.00	0.00	0.00	0.00	0.35	**0.35**
NO_x	0.00	0.00	0.00	0.00	0.41	**0.41**
SO_2	0.00	0.00	0.00	0.00	0.00	**0.00**
PM	5.26	0.00	0.00	0.00	0.03	**5.29**
PM_{10}PM2.5	28.80	0.00	0.00	0.00	0.03	**28.83**
VOC	0.68	5.34	0.004	1.07	0.02	**7.12**
Pb	0.0027	0.00	0.00	0.00	0.000	**0.003**

Assume PM10=PM2.5
IDEM has determined the Cyclones to be integral to the process. Therefore, permit level is determined by the PTE after the integral cyclone controls.

Appendix A: Emissions Calculations
VOC's From Pre-Cure

Company Name: Raben Tire Company, Inc.
Address City IN Zip: 12580 South Northgate Dr, Haubstadt, IN
Permit Number: R051-21538-00047
Notice-Only Change No.: 051-29138-00047
Reviewer: Christine L. Filutze
Date: May 3, 2010

Total VOC Emissions Summary for Pre-Cure Retread Facility

VOCs From Carcass Grinding

	219000	retread tires/yr
x	5.21E-04	lb VOCs/lb rubber ground off (AP42 Section 4.12 Grinding Operations Carcass Emission Factors)
x	12.0	lbs/tire rubber ground off
/	2000	lbs/ton
	0.685	tons/yr VOCs

VOCs From Rubber Solution Application & Repair

	219000	retread tires/yr
x	25	grams/tire dissolution (based on process studies)
x	454	grams/lb
x	88.5%	VOC content as heptane (88-88.5% VOC)
/	2000	lbs/ton
	5.336	ton/yr VOCs

VOCs From Extruding Pre-cure Tread Building

	219000	retread tires/yr
x	3.3	lbs
x	1.23E-05	lb VOCs/lb rubber (AP42 Section 4.12 Extruder Emission Factors)
/	2000	lbs/ton
	0.00445	tons/yr VOCs

VOCs From Pre-cure Curing

	219000	retread tires/yr
x	140.7	lbs previously cured rubber in the tire
x	3.10E-04	lbs VOCs/lb rubber cured (AP42 Section 4.12 Tire Cure Emission Factors)
x	20%	80% reduction in emissions due pre-cured rubber
+	219000	retread tires/day
x	3.3	lbs uncured rubber/tire
x	3.10E-04	lb VOCs/lb rubber (AP42 Section 4.12 Tire Curing Emission Factors)
	2,134.346	lbs VOC/yr
/	2,000	lbs/ton
	1.067	tons VOC/yr

Total VOCs Emissions for the Facility	
0.685	ton/yr VOCs for grinding retread tires
5.336	tons/yr total VOCs from rubber dissolution usage
0.004	ton/yr VOCs from extruding pre-cure retread tires
1.067	ton/yr VOCs from curing pre-cure retread tires
7.1	**tons/yr total VOCs**

Appendix A: Emissions Calculations
HAP's From Pre-Cure

Company Name: Raben Tire Company, Inc.
Address City IN Zip: 12580 South Northgate Dr, Haubstadt, IN
Permit Number: R051-21538-00047
Notice-Only Change No.: 051-29138-00047
Reviewer: Christine L. Filutze
Date: May 3, 2010

Total HAPs Emissions Summary for Pre-cure Retread Facility

HAPs From Tire Buffing

	219000	retread tires/yr
x	1.27E-04	lb HAPs/lb rubber ground off (AP42 Section 4.12 Grindig Operatons Carcass Emission Factors)
x	12.0	lbs/tire rubber ground off (process study)
/	2000	lbs/ton
	0.1669	tons/yr HAPs

HAPs From Rubber Solution Application & Repair

NONE

HAPs From Extruding Pre-cure Tire Building

	219000	retread tires/day
x	3.3	lbs
x	3.52E-05	lb HAPs/lb rubber (AP42 Section 4.12 Extruder Emission Factors)
/	2000	lbs/ton
x	365	days/year
	4.645	tons/yr HAPs for retread tires

HAPs From Pre-cure Curing

	219000	retread tires/yr
x	140.7	lbs previously cured rubber in the tire
x	1.06E-04	lbs VOCs/lb rubber cured (AP42 Section 4.12 Tire Cure Emission Factors)
x	20%	80% reduction in emissions due pre-cured rubber
+	0	retread tires/day
x	3.3	lbs uncured rubber/tire
x	1.06E-04	lbs VOCs/lb rubber cured (AP42 Section 4.12 Tire Cure Emission Factors)
	653.056	lbs VOC/day
/	2,000	lbs/ton
	0.327	tons VOC/yr

Total HAPs Emissions for the Facility	
0.167	ton/yr HAPs from grinding retread tires
4.645	ton/yr HAPs from extruding pre-cure retread tires
0.327	ton/yr HAPs from curing pre-cure retread tires
5.14	**tons/yr total HAPs**

Appendix A: Emissions Calculations
Carcass Grinding Operation - Cyclones

Company Name: **Raben Tire Company, Inc.**
Address City IN Zip: **12580 South Northgate Dr, Haubstadt, IN**
Permit Number: **R051-21538-00047**
Notice-Only Change No.: **051-29138-00047**
Reviewer: **Christine L. Filutze**
Date: **May 3, 2010**

PM From Carcass Grinding Operation

PM from Tire Buffing with Interlocked Closed Loop Rubber Recovery System

	219000	retreaded tires/yr buffed
x	12	lbs/tire rubber ground off (process study)
/	2000	lbs/ton
x	1.00E+00	lbs PM/lb rubber ground off (AP-42)
x	0.4%	based on a 99.6 - 99.8% control eff. determined from cyclone stack tests at other sites
	1,314.0	ton/yr PM emitted from the buffing of truck tire carcasses - Before Controls
	5.3	ton/yr PM emitted from the buffing of truck tire carcasses - After Controls
	28.8	lbs/day (after controls)
	1.2	lbs/hr (after controls)

Particle analysis of a sample of rubber from the Michelin Retread Technologies Process, indicated less than 1% of the material was PM_{10}. For emissions esitmates, assumed 10%. A copy of the analysis will be provided upon request

PM_{10} from Tire Buffing with Interlocked Closed Loop Rubber Recovery System*

	219000	retreaded tires/yr buffed
x	12	lbs/tire rubber ground off (process study)
/	2000	lbs/ton
x	1.00E+00	lbs PM/lb rubber ground off (AP-42)
	10%	PM_{10}
x	0.4%	based on a 99.6 - 99.8% control eff. determined from cyclone stack tests at other sites
	131.40	ton/yr PM emitted from the buffing of truck tire carcasses - Before Controls
	0.53	ton/yr PM emitted from the buffing of truck tire carcasses - After Controls
	2.9	lbs/day (after controls)
	0.12	lbs/hr (after controls)

* Assume PM10=PM2.5

Note: There are two buffers. Each buffer will have a cyclone rubber recovery system
The cyclones are not interchangeable. Each cyclone is dedicated to one buffer because of the exhaust configuration. Therefore, the emissions will be divided between two stacks.

Appendix A: Emissions Calculations
Natural Gas Emissions

Company Name: **Raben Tire Company, Inc.**
Address City IN Zip: **12580 South Northgate Dr, Haubstadt, IN**
Permit Number: **R051-21538-00047**
Notice-Only Change No.: **051-29138-00047**
Reviewer: **Christine L. Filutze**
Date: **May 3, 2010**

Boiler Emissions - Natural Gas

Assumptions:	Natural Gas	1,025	Btu/ft3
Given:	Boiler Rating	970,000	BTU/hr input

Type of Fuel	Fuel Usage (ft3/hr)	Fuel Usage (ft3/yr)
Natural Gas (ft3)	946	8,289,951

NATURAL GAS CALCULATIONS

Source	Fuel Usage (ft3/yr)	Pollutant	Emission Factor ($lbs/10^6$ ft^3)	Factor Source	Emission Rate (lbs/yr)	Annual Emissions (ton/yr)	Emission Rate (lbs/hr)
Boiler Emissions Based on Maximum Fuel Usage	8,289,951	CO	84	AP42-1998	696	0.348	0.079
		NOx	100	AP42-1998	829	0.41	0.095
		SO_2	0.6	AP42-1998	5	0.002	0.001
		PM_{10}	7.6	AP42-1998	63	0.032	0.007
		TSP	7.6	AP42-1998	63	0.032	0.007
		VOCs	5.5	AP42-1998	46	0.023	0.005
		Pb	0.0005	AP42-1998	0	0.000	0.000

Appendix A: Emissions Calculations
Carcass Grinding Operation - VOC's & HAPs

Company Name: Raben Tire Company, Inc.
Address City IN Zip: 12580 South Northgate Dr, Haubstadt, IN
Permit Number: R051-21538-00047
Notice-Only Change No.: 051-29138-00047
Reviewer: Christine L. Filutze
Date: May 3, 2010

Tire Buffing VOC & HAP Emissions

AP42 Section 4.12 Carcass Grinding Emission Factors for Rubber Manufacturing Industry

Truck Tires Ground for Retreading: 219000 tires/yr

Amount Rubber Ground Off: 12.0 lbs/tire
Total Amount Rubber Ground Off: 2,628,000 lbs/yr

Analyte Name	CAS #	Carcass lb/lb rubber removed	Emissions lbs/year	
Total VOC		5.21E-04	1369	
Total HAPs		1.27E-04	333.8	
1,1,1-Trichloroethane (Methyl Chloroform)	71-55-6	3.58E-07	0.941	
1,3-Butadiene	106-99-0	2.65E-05	69.642	
4-Methyl-2-pentanone	108-10-1	1.92E-05	50.458	
Acetophenone	98-86-2	7.13E-07	1.874	
Acrolein	107-02-8	1.68E-06	4.415	
Aniline	62-53-3	1.97E-05	51.772	
Benzene	71-43-2	4.13E-06	10.854	
bis(2-Ethylhexyl)Phthalate	117-81-7	7.94E-06	20.866	
Cadmium (Cd) Compounds		8.58E-07	2.255	
Carbon Disulfide	75-15-0	2.58E-06	6.780	
Carbonyl Sulfide	463-58-1	8.70E-06	22.864	
Chromium (Cr) Compounds		1.44E-06	3.784	see note 1
Di-n-butylphthalate	84-74-2	2.24E-06	5.887	
Dibenzofuran	132-64-9	1.59E-07	0.418	
Hexane	110-54-3	1.60E-05	42.048	
Isooctane	540-84-1	1.09E-05	28.645	
Lead (Pb) Compounds		2.02E-06	5.309	
m-Xylene + p-Xylene		2.23E-06	5.860	
Methylene Chloride	75-09-2	2.50E-07	0.657	
Naphthalene	91-20-3	5.81E-07	1.527	
Nickel (Ni) Compounds		2.03E-06	5.335	
o-Toluidine	95-53-4	2.55E-06	6.701	
Phenol	108-95-2	1.66E-06	4.362	
Toluene	108-88-3	6.30E-06	16.556	
Trichloroethene	79-01-6	1.95E-06	5.125	

1. Value represents total chromium. Michelin grindings were analyzed for the presence of hexavalent chromium. Hexavalent chromium was not detected.

ADDITIONAL NOTES:

For uncontrolled PM emissions sidewall, carcass or belt use a factor of 1.0 lb emitted per pound of rubber removed.

Appendix A: Emissions Calculations
VOC's & HAP's from Pre-Cure Tread Building

Company Name: Raben Tire Company, Inc.
Address City IN Zip: 12580 South Northgate Dr, Haubstadt, IN
Permit Number: R051-21538-00047
Notice-Only Change No.: 051-29138-00047
Reviewer: Christine L. Filutze
Date: May 3, 2010

Pre-Cure Tread Building VOC & HAP Emissions
AP42 Section 4.12 Extruder Emission Factors for Rubber Manufacturing Industry

Maximum Capacity: Pre-cure: 219000 tires/yr

Green Rubber Weight: 3.3 lbs/tire

Rubber Compounds Extruded: 724,343 lbs/yr

Analyte Name	CAS #	Cmpd #4 lb/lb rubber	Cmpd #6 lb/lb rubber	Max Emission Factor lb/lb rubber	Extrusion Calculated Emissions lb/yr
Total VOC		5.67E-06	1.23E-05	1.23E-05	8.90
Total HAPs		1.03E-05	3.52E-05	3.52E-05	25.51
1,1,1-Trichloroethane (methyl chloroform)	71-55-6	8.47E-08	9.37E-08	9.37E-08	0.07
1,3-Butadiene	106-99-0	8.92E-08	5.06E-07	5.06E-07	0.37
1,4-Dichlorobenzene	106-46-7	8.36E-09		8.36E-09	0.006
2-Chloroacetophenone	532-27-4	6.48E-09	1.68E-09	6.48E-09	0.005
4-Methyl-2-Pentanone	108-10-1	5.54E-06	2.66E-06	5.54E-06	4.011
Acetonitrile	75-05-8	1.09E-07	2.19E-07	2.19E-07	0.159
Acetophenone	98-86-2	3.65E-08	3.32E-06	3.32E-06	2.404
Acrolein	107-02-8	2.03E-07	3.10E-07	3.10E-07	0.225
Aniline	62-53-3	5.08E-07	2.19E-07	5.08E-07	0.368
Benzene	71-43-2	4.46E-08	2.69E-07	2.69E-07	0.195
Biphenyl	92-52-4	4.65E-09	1.68E-08	1.68E-08	0.012
bis(2-Ethylhexyl)phthalate	117-81-7	1.94E-07	1.13E-07	1.94E-07	0.141
Carbon Disulfide	75-15-0	1.09E-07	2.66E-07	2.66E-07	0.192
Chloromethane	74-87-3	7.06E-08	6.64E-08	7.06E-08	0.051
Chromium (Cr) Compounds[1]		2.45E-07	2.25E-08	2.45E-07	0.177
Cobalt (Co) Compounds		1.90E-08	9.92E-09	1.90E-08	0.014
Cumene	98-82-8	3.66E-08	1.36E-07	1.36E-07	0.098
Di-n-butylphthalate	84-74-2	1.87E-07	1.98E-07	1.98E-07	0.143
Dibenzofuran	132-64-9	3.52E-09	3.24E-09	3.52E-09	0.003
Dimethylphthalate	131-11-3		4.27E-09	4.27E-09	0.003
Ethylbenzene	100-41-4	3.30E-08	8.10E-08	8.10E-08	0.059
Hexane	110-54-3	1.02E-07	3.94E-07	3.94E-07	0.285
Isooctane	540-84-1	3.81E-08	4.51E-08	4.51E-08	0.033
Isophorone	78-59-1	3.50E-08		3.50E-08	0.025
m-Xylene + p-Xylene		7.01E-08	3.32E-07	3.32E-07	0.241
Methylene Chloride	75-09-2	1.60E-06	1.32E-05	1.32E-05	9.545
N,N-Diethylaniline	121-69-7	5.45E-09		5.45E-09	0.004
Naphthalene	91-20-3	1.08E-07	1.98E-07	1.98E-07	0.143
Nickel (Ni) Compounds		1.99E-07	7.24E-08	1.99E-07	0.144
o-Toluidine	95-53-4		1.50E-07	1.50E-07	0.108
o-Xylene	95-47-6	3.49E-08	2.58E-07	2.58E-07	0.187
Phenol	108-95-2	3.11E-07	1.84E-07	3.11E-07	0.225
Propylene Oxide	75-56-9		1.75E-06	1.75E-06	1.269
Styrene	100-42-5	9.61E-09	7.25E-07	7.25E-07	0.525
Tetrachloroethene (Perchloroethylene)	127-18-4	5.32E-08	4.44E-08	5.32E-08	0.039
Toluene	108-88-3	1.07E-07	9.26E-06	9.26E-06	6.705

1. Results are for total chromium. Actual tread was tested for hexavalent chromium. It was not detected.

NOTES:

Emission factors for all compounds except 4, 6, 9 and 22 were interpolated.

Appendix A: Emissions Calculations
VOC's & HAP's from Pre-Mold Tire Curing

Company Name: Raben Tire Company, Inc.
Address City IN Zip: 12580 South Northgate Dr, Haubstadt, IN
Permit Number: R051-21538-00047
Notice-Only Change No.: 051-29138-00047
Reviewer: Christine L. Filutze
Date: May 3, 2010

Pre-mold Tire Curing VOC & HAP Emissions
AP42 Section 4.12 Tire Cure Factors for Rubber Manufacturing Industry

Maximum Capacity: Pre-cure: 219000 tires/yr

Green Rubber Weight: 3.3 lbs/tire
140.7 previously cured rubber weight
20% 80% reduction in emissions due to pre-cured rubber

Apportioned Cured Rubber: 6,884,988 lbs rubber/yr

Analyte Name	CAS #	OEM 205/70 lb/lb rubber	High Performance 205/70 lb/lb rubber	OEM 195/75 lb/lb rubber	Replacement 195/75 lb/lb rubber	Max Emission Factor lb/lb rubber	Curing Calculated Emissions lb/yr
Total VOC		1.80E-04	2.11E-04	3.10E-04	1.94E-04	3.10E-04	2134.35
Total HAPs		8.59E-05	1.06E-04	8.53E-05	5.43E-05	1.06E-04	729.81
Acetophenone	98-86-2	1.08E-07	1.07E-07	1.04E-07	1.20E-07	1.20E-07	0.826
Acrolein	107-02-8				1.28E-07	1.28E-07	0.881
Aniline	62-53-3	4.36E-06	5.29E-07	3.73E-06	3.57E-06	4.36E-06	30.019
Benzene	71-43-2	3.51E-07	4.78E-07	2.01E-07	2.41E-07	4.78E-07	3.291
Benzyl Chloride	100-44-7	4.42E-08				4.42E-08	0.304
Biphenyl	92-52-4		5.41E-08	6.78E-08	3.97E-08	6.78E-08	0.467
bis(2-Ethylhexyl)phthalate	117-81-7		7.00E-09	6.89E-08	5.92E-07	5.92E-07	4.076
Carbon Disulfide	75-15-0	4.92E-07	6.86E-06	1.32E-05	4.60E-06	1.32E-05	90.882
Carbonyl Sulfide	463-58-1			5.44E-07		5.44E-07	3.745
2-Chloroacetophenone	532-27-4		1.29E-09			1.29E-09	0.009
Chloroform	67-66-3		2.17E-08			2.17E-08	0.149
2-Methylphenol (o-cresol)	95-48-7		9.00E-09	5.42E-09	6.63E-09	9.00E-09	0.062
Chloromethane (methyl chloride)	74-87-3	4.92E-08	6.49E-08	9.25E-08	4.70E-08	9.25E-08	0.637
Cumene	98-82-8		4.75E-07	2.28E-07	1.36E-07	4.75E-07	3.270
Dibenzofuran	132-64-9		5.84E-09	9.11E-09	9.81E-09	9.81E-09	0.068
1,2-Dibromo-3-Chloropropane	96-12-8			2.06E-07		2.06E-07	1.418
Di-n-butylphthalate	84-74-2	9.49E-07	2.88E-07	1.97E-07	4.52E-07	9.49E-07	6.534
1,4-Dichlorobenzene	106-46-7	6.79E-07	1.89E-09	2.49E-09	6.80E-09	6.79E-07	4.675
Dimethylphthalate	131-11-3	4.06E-09	9.60E-08	7.36E-09	2.09E-08	9.60E-08	0.661
Ethylbenzene	100-41-4	1.03E-05	1.35E-05	8.55E-06	3.70E-06	1.35E-05	92.947
1,1-Dichloroethane (ethylidine chloride)	75-34-3	7.96E-08				7.96E-08	0.548
Hexane	110-54-3	3.04E-06	5.97E-06	6.62E-07	1.58E-06	5.97E-06	41.103
Isophorone	78-59-1	4.37E-09	2.06E-08	4.54E-09	7.62E-09	2.06E-08	0.142
Bromomethane (methyl bromide)	74-83-9			9.15E-08		9.15E-08	0.630
1,1,1-Trichloroethane (methyl chloroform)	71-55-6	1.19E-07	2.41E-07	3.96E-08	9.27E-08	2.41E-07	1.659
2-Butanone (methyl ethyl ketone)	78-93-3	1.55E-06	1.10E-06	6.35E-07	5.37E-07	1.55E-06	10.672
4-Methyl-2-Pentanone (methyl isobutyl ketone)	108-10-1	9.60E-06	1.29E-05	1.32E-05	1.26E-05	1.32E-05	90.882
t-Butyl Methyl Ether (methyl tert butyl ether)	1634-04-4	3.04E-07				3.04E-07	2.093
Methylene Chloride	75-09-2	5.62E-06	2.87E-06	4.21E-06	2.18E-06	5.62E-06	38.694
Naphthalene	91-20-3		2.01E-07	1.76E-07	1.24E-07	2.01E-07	1.384
Phenol	108-95-2	1.30E-07	4.64E-07	3.89E-08	3.87E-07	4.64E-07	3.195
Styrene	100-42-5	3.98E-06	6.83E-07	3.39E-07	4.71E-07	3.98E-06	27.402
1,1,2,2-Tetrachloroethane	79-34-5			1.03E-07		1.03E-07	0.709
Tetrachloroethene (perchloroethylene)	127-18-4	2.13E-07	9.56E-08	3.83E-08		2.13E-07	1.467
Toluene	108-88-3	1.22E-05	1.65E-05	9.47E-06	6.88E-06	1.65E-05	113.602
o-Toluidine	95-53-4	7.21E-09	5.45E-08	9.12E-08	1.01E-07	1.01E-07	0.695
1,2,4-Trichlorobenzene	120-82-1				2.59E-09	2.59E-09	0.018
o-Xylene	95-47-6	7.73E-06	8.74E-06	6.09E-06	3.06E-06	8.74E-06	60.175
m-Xylene + p-Xylene		2.34E-05	3.36E-05	2.27E-05	1.26E-05	3.36E-05	231.336
1,1-Dichloroethene (1,1-dichloroethylene) (vinylidine dichloride)	75-35-4	5.85E-07				5.85E-07	4.028
Trichloroethene	79-01-6				3.68E-08	3.68E-08	0.253

Appendix A: Emissions Calculations
Speciated HAP's - Pre-Cure Retreading

Company Name: Raben Tire Company, Inc.
Address City IN Zip: 12580 South Northgate Dr, Haubstadt, IN
Permit Number: R051-21538-00047
Notice-Only Change No.: 051-29138-00047
Reviewer: Christine L. Filutze
Date: May 3, 2010

Speciated HAPs Summary for Pre-cure Retreading

Analyte Name	CAS #	Tread Building-Extruding lbs/yr	Curing lbs/yr	Carcass Grinding lbs/yr	Total lbs/hr	Total lbs/day	Total lbs/yr
Acetonitrile	75-05-8	1.59E-01			0.00002	0.00043	0.159
Acetophenone	98-86-2	2.40E+00	3.00E+01	1.87E+00	0.00392	0.09396	34.296
Acrolein	107-02-8	2.25E-01	3.29E+00	4.42E+00	0.00091	0.02173	7.931
Aniline	62-53-3	3.68E-01	3.04E-01	5.18E+01	0.00599	0.14368	52.444
Benzene	71-43-2	1.95E-01	4.67E-01	1.09E+01	0.00131	0.03155	11.515
Benzyl chloride	100-44-7		4.08E+00		0.00047	0.01117	4.076
Biphenyl	92-52-4	1.22E-02	9.09E+01		0.01038	0.24902	90.894
Bromomethane (methyl bromide	74-83-9		1.07E+01		0.00122	0.02924	10.672
1,3-Butadiene	106-99-0	3.67E-01		6.96E+01	0.00799	0.19180	70.009
Cadmium compounds				2.25E+00	0.00026	0.00618	2.255
Carbon disulfide	75-15-0	1.92E-01	8.87E-03	6.78E+00	0.00080	0.01913	6.982
Carbonyl sulfide	463-58-1		1.49E-01	2.29E+01	0.00263	0.06305	23.013
2-Chloroacetophenone	532-27-4	4.69E-03	6.20E-02		0.00001	0.00018	0.067
Chloroform	67-66-3		6.37E-01		0.00007	0.00174	0.637
Chloromethane (methyl chloride)	74-87-3	5.12E-02	6.75E-02		0.00001	0.00033	0.119
Chromium Compounds		1.77E-01		3.78E+00	0.00045	0.01085	3.962
Hexavalent Chromium		not detected		not detected	0.00000	0.00000	0.000
Cobalt compounds		1.38E-02			0.00000	0.00004	0.014
Cumene	98-82-8	9.83E-02	1.42E+00		0.00017	0.00416	1.517
Dibenzofuran	132-64-9	2.55E-03	6.53E+00	4.18E-01	0.00079	0.01905	6.954
1,2-Dibromo-3-Chloropropane	96-12-8		4.67E+00		0.00053	0.01281	4.675
Di-n-butylphthalate	84-74-2	1.43E-01	6.61E-01	5.89E+00	0.00076	0.01833	6.691
1,4-Dichlorobenzene	106-46-7	6.05E-03	9.29E+01		0.01061	0.25467	92.953
1,1-Dichloroethene (1,1-dichloroethylene) (vinylidine chloride)	75-35-4		2.31E+02		0.02641	0.63380	231.336
1,1-Dichloroethane (ethylidine chloride)	75-34-3		4.11E+01		0.00469	0.11261	41.103
N,N-Diethylaniline	121-69-7	3.95E-03			0.00000	0.00001	0.004
Dimethylphthalate	131-11-3	3.10E-03	5.48E-01		0.00006	0.00151	0.551
Ethylbenzene	100-41-4	5.87E-02	9.29E+01		0.01062	0.25481	93.006
bis(2-Ethylhexyl)phthalate	117-81-7	1.41E-01	3.75E+00	2.09E+01	0.00283	0.06781	24.752
2-Furaldehyde	98-01-1		2.53E-01		0.00003	0.00069	0.253
Hexachlorobutadiene	87-68-3		1.42E-01		0.00002	0.00039	0.142
Hexane	110-54-3	2.85E-01	6.30E-01	4.20E+01	0.00490	0.11771	42.963
Isooctane	540-84-1	3.27E-02		2.86E+01	0.00327	0.07857	28.678
Isophorone	78-59-1	2.54E-02	1.66E+00		0.00019	0.00462	1.685
Lead Compounds				5.31E+00	0.00061	0.01454	5.309
Methylene Chloride (dichloromethane)	75-09-2	9.55E+00	3.19E+00	6.57E-01	0.00153	0.03670	13.397
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	108-10-1	4.01E+00	3.87E+01	5.05E+01	0.01064	0.25524	93.163
2-Methylphenol (o-cresol)	95-48-7		3.27E+00		0.00037	0.00896	3.270
Naphthalene	91-20-3	1.43E-01	2.74E+01	1.53E+00	0.00332	0.07965	29.072
Nickel Compounds		1.44E-01		5.33E+00	0.00063	0.01501	5.479
Phenol	108-95-2	2.25E-01	7.09E-01	4.36E+00	0.00060	0.01451	5.297
Propylene oxide	75-56-9	1.27E+00			0.00014	0.00348	1.269
Styrene	100-42-5	5.25E-01	1.47E+00		0.00023	0.00546	1.991
t-Butyl Methyl Ether (methyl tert-butyl ether)	1634-04-4		1.38E+00		0.00016	0.00379	1.384
1,1,2,2-Tetrachloroethane	79-34-5		1.14E+02		0.01297	0.31124	113.602
Tetrachloroethene (tetrachloroethylene) (perchloroethylene)	127-18-4	3.85E-02	6.95E-01		0.00008	0.00201	0.734
Toluene	108-88-3	6.70E+00	1.78E-02	1.66E+01	0.00266	0.06378	23.279
o-Toluidine	95-53-4	1.08E-01	6.95E-01	6.70E+00	0.00086	0.02056	7.505
1,2,4-Trichlorobenzene	120-82-1		1.78E-02		0.00000	0.00005	0.018
1,1,1-Trichloroethane (methyl chloroform)	71-55-6	6.79E-02	9.09E+01	9.41E-01	0.01049	0.25175	91.891
Trichloroethylene (Trichloroethene)	79-01-6		6.02E+01	5.12E+00			
m-Xylene + p-Xylene		2.41E-01	2.31E+02	5.86E+00	0.02710	0.65051	237.437
o-Xylene	95-47-6	1.87E-01	6.02E+01		0.00689	0.16537	60.362

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

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

TO: Tom Raben
President
Raben Tire Company
2100 N. New York Ave.
Evansville IN 47711

DATE: May 3, 2010

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

SUBJECT: Final Decision
Registration-Notice Only
051-29138-00047

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:
Ginger Ellis Regulatory Strategies
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.

Mail Code 61-53

IDEM Staff	BMILLER 5/3/2010 Raben Tire Company, Inc. 051-29138-00047 (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: **CERTIFICATE OF MAILING ONLY**

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		Tom Raben President Raben Tire Company, Inc. 2100 N New York Ave Evansville IN 47711 (Source CAATS) ***Via Confirmed Delivery***									
2		Mr. Randy Brown Plumbers & Steam Fitters Union, Local 136 2300 St. Joe Industrial Park Dr Evansville IN 47720 *(Affected Party)*									
3		Gibson County Health Department 800 S. Prince St., Courthouse Annex Princeton IN 47670-2664 *(Health Department)*									
4		Ginger Ellis Regulatory Strategies 1020 Ladys Lane Anderson SC 29621 *(Consultant)*									
5		Eric Anderson 25 Atlantic Avenue Erlanger KY 41018 *(Affected Party)*									
6		Gibson County Commissioners 101 N. Main Street Princeton IN 47670 *(Local Official)*									
7		Haubstadt Town Council P.o. Box 365, 101 South Main Street Haubstadt IN 47639 *(Local Official)*									
8		Mr. Bil Musgrove PO Box 520 Chandler IN 47610 *(Affected Party)*									
9		Mr. John Blair 800 Adams Ave Evansville IN 47713 *(Affected Party)*									
10											
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