



# 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)

March 12, 2010

Mr. Glen A. Parks  
Antioch Tire  
440 E. IL Route 173  
Antioch, IL 60002

Re: Response to Review Request No. 089-28680:  
Permit status evaluation  
Plant ID: 089-00542

Dear Mr. Parks:

Antioch Tire, located at 635 Conkey Street, Hammond, Indiana 46320, submitted a review request on November 23, 2009. The letter was submitted to provide information to the Office of Air Quality (OAQ) that particulate matter control equipment is considered integral to the buffering process, identified as tire buffer units TB-5, TB-6, TB-19 and TB-20, all controlled by an accumulation trailer with a filter system. The emission factor used to calculate particulate emissions from the tire buffer units (described by the U.S. EPA as "carcass grinding") has been updated to use the current EPA emission factor.

While the updated emission factor increases potential particulate emissions from the buffer units, the control device associated with those units has been found by IDEM, OAQ to be integral to the process. The accumulation trailer, equipped with a filter system, should be considered an integral part of the tire grinding operations performed by tire buffer units TB-5, TB-6, TB-19 and TB-20, since there is an overwhelmingly significant economic benefit gained by collecting the tire grinding dust and trimmings for resale. The collected tire grinding dust is sold for reuse, generating approximately \$54,000 per year (approximately \$4,500 per month) in revenue. The cost of installing and maintaining the accumulation trailer is borne by an outside vendor, with whom Antioch Tire has a contract to provide the rubber trimmings and tire grinding dust. Therefore, the overhead operating costs of the accumulation trailer to Antioch Tire are minimal. IDEM, OAQ has evaluated the information submitted by the applicant and agrees that the accumulation trailer, equipped with a filter system, should be considered an integral part of the tire grinding operations performed by the tire buffer units TB-5, TB-6, TB-19 and TB-20. This determination is due to the fact that the tire grinding dust collection system has an overwhelming positive net economic effect. The accumulation trailer, equipped with a filter system, shall operate at all times when the tire buffer units are in operation.

IDEM, OAQ has determined that these changes will not require modification of the existing Registration No. R089-27396-00542, since the potential emissions remain below the threshold levels for a Registration. The source will continue to operate subject to the conditions contained in the existing Registration No. R089-27396-00542.

Questions should be directed to Summer Keown, c/o OAQ, 100 North Senate Avenue, MC 61-53, Indianapolis, Indiana, 46204-2251, at 317-234-5175 or at 1-800-451-6027 (ext 45175).

Sincerely,

A.C. Dumaul, Ph.D., Section Chief  
Permits Branch  
Office of Air Quality

SJK

cc: File - Lake County  
Lake County Health Department  
Air Compliance - Rick Massoels

Attachment: Potential Emission Calculations



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

**TO:** Glen A Parks  
Antioch Tire, Inc., dba Tredroc Tire Scv.  
440 E IL Route 173  
Antioch, IL 60002

**DATE:** March 12, 2010

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

**SUBJECT:** Final Decision  
Review Request  
089-28680-00542

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:  
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	CDENNY 3/12/2010 Antioch Tire, Inc., dba Tredroc Tire Scv. 089-28680-00542 (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	Handling 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		Glen A Parks Antioch Tire, Inc., dba Tredroc Tire Scv. 440 E IL Route 173 Antioch IL 60002 (Source CAATS)										
2		Lake County Health Department-Gary 1145 W. 5th Ave Gary IN 46402-1795 (Health Department)										
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