



State of Ohio Environmental Protection Agency

Southeast District Office

2195 Front Street
Logan, Ohio 43138

TELE: (740) 385-8501 FAX: (740) 385-6490
www.epa.state.oh.us

Ted Strickland, Governor
Lee Fisher, Lieutenant Governor
Chris Korleski, Director

January 2, 2008

**RE: MONROE COUNTY
TIRE - GENERAL**

Lloyd Henthorn
37998 Township Highway 512
Sardis, Ohio 43946

Dear Mr. Henthorn:

On April 9, 2007, the Ohio Environmental Protection Agency investigated a scrap tire dump on Township Highway 512 in Perry Township, Monroe County, Ohio. After searching records in the Monroe County courthouse, it was determined that you own this property.

Improper storage of scrap tires poses several potential problems for the local residents, environment, and the emergency crews in the area. Scrap tires provide an optimal breeding ground for mosquitoes. Mosquitoes identified at tire piles in Ohio can carry St. Louis Encephalitis, La Crosse Encephalitis, Yellow Fever, Dengue Fever and West Nile Virus.

Scrap tire fires are a source of air pollution and can cause respiratory problems for those that breathe the smoke. Tire fires are also difficult for emergency crews to extinguish.

On December 19, 2007, another inspection was conducted at this site. No action had been taken to remove the scrap tires from the property for proper disposal. During this inspection, measurements of the tire pile were taken to determine the number of scrap tires on this property. Approximately 18,400 passenger tire equivalents (PTE's) were found to be present on this property you own. Please find enclosed an interoffice communication from Mark Mansfield, DSIWM-SEDO, to Trevor Irwin, DSIWM-SEDO, explaining how the PTE estimation was compiled.

The accumulation of this many tires constitutes open dumping and is in violation of Ohio Revised Code (ORC) chapter 3734.03 and Ohio Administrative Code (OAC) 3745-27-05(C).

ORC 3734.03 states in part:

ORC 3734.03 - No person shall dispose of solid wastes by open dumping or open burning.

OAC 3745-27-05(C) states:

OAC 3745-27-05(C) -No person shall conduct, permit, or allow open dumping. In the event that open dumping is occurring or has occurred at a property, the person(s) responsible for the open dumping, the owner of the property, or the person(s) who allow or allowed open dumping to occur, shall promptly remove and dispose or otherwise manage the solid waste in accordance with Chapter 3734. of the Revised Code, and shall submit verification that the solid waste has been properly managed.

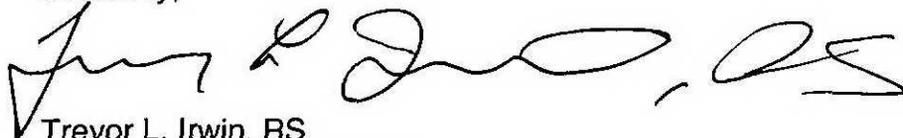
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Ohio law require that anyone removing scrap tires for disposal must take the tires to either a licensed or registered scrap tire collection, recovery or disposal facility. Receipts from these facilities need to be on file at your facility to provide proof of proper disposal. Also, anyone transporting more than ten (10) scrap tires must be registered with Ohio EPA as a Scrap Tire Transporter.

Please respond to this correspondence within 14 days of receipt. Your response should include details of your actions taken to properly dispose or recycle the current waste on your property.

If you have any questions, please feel free to contact me at this office. You can reach me either by mail or by calling me at (740) 380-5443.

Sincerely,

A handwritten signature in black ink, appearing to read "Trevor L. Irwin". The signature is fluid and cursive, with a large initial "T" and "I".

Trevor L. Irwin, RS
Environmental Specialist II
Division of Solid and Infectious Waste Management

TLI/jg

Enclosure

cc: Mark Mansfield, DSIWM-SEDO
Robert Reiter, SEOJSWMD



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INTEROFFICE COMMUNICATION

TO: *TW*
Trevor Irwin, SEDO-DSIWM

FROM: *MM*
Mark Mansfield, SEDO-DSIWM

SUBJECT: Henthorne Tire Dump (Monroe County) – PTE Estimation

DATE: December 28, 2007

On December 19, 2007, I accompanied you to the Henthorne Tire Dump, located along Monroe County, Perry Township Road 512, to estimate the number passenger tire equivalents (PTEs) located on-site. Tires are strewn in small amounts along the road; however, the vast majority of tires are located in a single pile. The attached calculation estimates the total number of PTEs in the main pile and scattered throughout the property. Aerial photography was used to assist in determining the footprint of the main tire pile. The total estimated PTEs for the property is approximately **18,400 PTEs**.

If you have questions on the attached calculations, please let me know.

Enclosure

MM/jg

Henthorne Tire Dump – Monroe County



$\text{Volume (A)} = \text{Area (A)} \times \text{Depth (A)}$
 $\text{Volume (A)} = (9,211 \text{ ft}^2) \times (3 \text{ ft})$
 $\text{Volume (A)} = (27,633 \text{ ft}^3) / (27 \text{ ft}^3/\text{yd}^3)$
 $\text{Volume (A)} = 1,023 \text{ yd}^3$
 $\# \text{ PTEs} = (\text{Volume}) \times (10 \text{ PTEs}/\text{yd}^3)$
 $\# \text{ PTEs (A)} = (1,023 \text{ yd}^3) \times (10 \text{ PTEs}/\text{yd}^3)$
 $\# \text{ PTEs (A)} = 10,230 \text{ PTEs}$

$\text{Area (B): } 3,389 \text{ ft}^2$
 $\text{Avg. Depth: } 5 \text{ ft}$

$\text{Area (A): } 9,211 \text{ ft}^2$
 $\text{Avg. Depth: } 3 \text{ ft}$

$\text{Volume (B)} = \text{Area (B)} \times \text{Depth (B)}$
 $\text{Volume (B)} = (3,389 \text{ ft}^2) \times (5 \text{ ft})$
 $\text{Volume (B)} = (16,945 \text{ ft}^3) / (27 \text{ ft}^3/\text{yd}^3)$
 $\text{Volume (B)} = 628 \text{ yd}^3$
 $\# \text{ PTEs} = (\text{Volume}) \times (10 \text{ PTEs}/\text{yd}^3)$
 $\# \text{ PTEs (B)} = (628 \text{ yd}^3) \times (10 \text{ PTEs}/\text{yd}^3)$
 $\# \text{ PTEs (B)} = 6,280 \text{ PTEs}$

250 Loose Tires

$\text{Total PTEs} = \# \text{ PTEs (A)} + \# \text{ PTEs (B)} + \text{Loose Tires}$
 $\text{Total PTEs} = 10,230 + 6,280 + 250$
 $\text{Use correction factor of } 10\% \text{ for buried tires}$
 $\text{Total PTEs} = (16,760) \times (1.1) = 18,436 \text{ PTEs}$
Total PTEs \approx 18,400 PTEs

