

Appendix I

Scrap Tire Conversion Factors

<u>Whole Scrap Tires</u>	<u>Weight</u>	<u>Tires/ton</u>
Passenger	20 Lbs. Each	100 Tires/ton
Truck	100 Lbs. Each	20 Tires/ton

10 passenger tires or 3 truck tires per cubic yard

20 lbs. of whole or processed scrap tire material = 1 passenger tire equivalent (PTE)

The above conversion factor (20 lbs. = 1 PTE) shall be used to convert all whole truck and larger tires to an equivalent amount of PTEs.

The above conversion factor (20 lbs. = 1 PTE) shall be used to convert all cut, shredded, or processed tire material to an equivalent amount of PTEs.

Baled Tires (Cubic Yard Size) 100 Passenger Tires Per Bale = One Ton

Shredded Tires

700 pounds = 1 cubic yard (yd³)

One ton of tire chips = 2.14 yd³ to 2.85 yd³

One yd³ of tire chips = 0.35 tons to 0.47 tons

One yd³ of tire pieces measuring between 0.5 inch and 2.0 inches are defined as ~~A~~chips~~@~~ by the American society for testing and materials (ASTM D6270-98) and can be expected to hold approximately 45 passenger tire equivalents.

One yd³ of tire pieces measuring between 2.0 inches and 12.0 inches are defined as ~~A~~shreds~~@~~ by ASTM D6270-98 and can be expected to hold approximately 33 passenger tire equivalents.

[Comment: The definition of ~~A~~chips~~@~~ and ~~A~~shreds~~@~~ used by ASTM D6270-98 differs from the definition of these terms in the Ohio Administrative Code and should not be confused with the use of these terms or tire derived chip (TDC) or tire derived fuel (TDF) in the Ohio Administrative Code.]

These conversion factors are to be used as standard approximations in all scrap tire facility applications and scrap tire facility annual reports.