

Industrial Solid Waste Fact Sheet

Tires- Category 23

Definition

Waste tires come from daily automotive activities, predominantly from retail tire dealers, auto repair shops, auto dealers, discount stores and trucking operations. Aircraft and bicycle tires, and tires used on stationary equipment such as conveyor belts or amusement rides, and previously recycled products (rubber mulch) are also accepted. Tires and other rubber products mentioned above will only be accepted from local businesses, farms and residential customers. Waste tires have been a major management and disposal problem in Minnesota for decades. Improperly managed waste tires can create significant environmental concerns, including fires and breeding habitat for mosquitoes when dumped or stored in large piles, and damage to landfills when land disposed.

Disposal

Tires are accepted at the Olmsted County Kalmar Landfill Solid Waste Processing Area (SWPA). Tires will be processed as tire-derived fuel (TDF) and used for energy recovery purposes at the Olmsted County Waste-to-Energy Facility (OWEF)

Generator Requirements

A current, approved Industrial Solid Waste Evaluation Form must be on file with the Olmsted County Environmental Resources Department.

Procedures

Typical Delivery types

- bulk
- shredded

Background

Waste tires come from daily automotive activities, predominantly from retail tire dealers, auto repair shops, auto dealers, discount stores, local businesses and residents and trucking operations. Note: Aircraft and bicycle tires, and tires used on stationary equipment such as conveyor belts or amusement rides, and previously recycled products (i.e., rubber mulch) are also included in this category. Waste tires have been a major management and disposal problem in Minnesota for decades. Improperly managed waste tires can create significant environmental concerns, including fires and breeding habitat for mosquitoes when dumped or stored in large piles, and damage to landfills when land disposed.

Disposal

Tires can be accepted at the Solid Waste Processing Area (SWPA) at the Olmsted County Kalmar Landfill. Tires in the SWPA will be processed as tire-derived fuel (TDF) and used for energy recovery purposes. The U.S. Environmental Protection Agency and Minnesota Pollution Control Agency support the highest and best practical use of scrap tires in accordance with the waste management hierarchy, in order of preference: reduce, reuse, recycle, waste-to-energy, and disposal in an appropriate facility. Their inclusion in the Industrial Solid Waste Management Plan allows Olmsted County to manage the waste locally as tire derived fuel (TDF).

Testing Requirements

In most cases, analytical testing is not required; however additional tests may be needed under certain circumstances to ensure 1) the waste material is not a regulated hazardous waste and 2) the waste material is acceptable for disposal at an Olmsted County solid waste management facility.

Documentation

A current, approved Industrial Solid Waste Evaluation Form must be on file with the Olmsted County Environmental Resources Department. The waste hauler must present a current, approved Non-Hazardous Industrial Solid Waste Tracking Form at the time of delivery.

Special Generator Requirements

If necessary, special generator requirements will be determined on a case-by-case basis.