



Illinois EPA Used Tire Program

Bureau of Land

Used Tire Program Presentation
ILCSWMA Annual Conference (Nov 4, 2016)

Program Highlights
Hoopeston Tire Fire
Public Act 098-0656

Revised Used Tire Regulations
Storage/Processing Permits
Market Development Program
Unit of Local Government (ULG) UTRAs

Used Tire Program Highlights

- ⌘ Used Tire Management Act created in 1992
- ⌘ Regulations created in 1994
- ⌘ More than 25 million used/waste tires collected to date
- ⌘ Annual used tire generation rate is approx. 14 million/year
- ⌘ Program funded by \$2.50/tire retail user fee
- ⌘ Had market capacity for approx. 20 million in early 1990s
- ⌘ Market development funding redirected to GR in 1993
- ⌘ Markets are now less than 3 million
- ⌘ Used tire processors struggling to find markets to supply
- ⌘ Compliance problems and tire fires



Hoopeston Tire Fire (J & R Used Tire Service)



Hoopeston Tire Fire (J & R Used Tire Service)



Hoopeston Tire Fire



Hoopeston Tire Fire



Hoopeston Tire Fire Facts

- ∞ Equivalent of approx. 1 million passenger tires involved in fire
- ∞ 24 square blocks of Hoopeston evacuated
- ∞ CSX rail line shut down for several days
- ∞ Approx. 7 million gallons of water used
- ∞ Storm water system and public water supply impacted
- ∞ Fish kill in north branch of Vermilion River

Public Act 098-0656

- ☞ Passed by General Assembly in 2013
- ☞ Signed by Gov. Quinn on June 19, 2014
- ☞ 1 year anniversary of Hoopston tire fire
- ☞ Requires modification of Part 848: Used Tire Management Standards (effective 9/8/2015)
- ☞ Mandates permits for large used tire storage and processing facilities
- ☞ Provides enhanced enforcement for FA violations
- ☞ Gives EPA authority for used tire market development program
- ☞ Currently conducting used tire market analysis

Revised Part 848 Rules

- ⌘ Revised standards for used tire management
- ⌘ Incorporates IFC standards for used tire storage
- ⌘ Clarifies ambiguous and confusing stockpile management standards
- ⌘ Requires that all used tires in Illinois are stored dry
- ⌘ Local fire departments must sign off on contingency plans
- ⌘ Requires tire tracking receipts (manifests)
- ⌘ Clarifies financial assurance (surety bond vs self insurance)
- ⌘ Strengthens used tire transportation requirements
- ⌘ Specifies rules for storage/processing permits

Used Tire Storage/Processing Permits

- ✎ Permits must be in place by July 1, 2016 - Section 55(d-5) of the Act
- ✎ Storage sites: store more than 10,000 used tires
- ✎ Processing facilities: process more than 500 tons of used tires annually (altering, converting or reprocessing)
- ✎ At least 13 sites in Illinois currently meet the permitting requirements
- ✎ Types of used tire sites that may need a permit:
 - Processing (shredding/cutting) facility: 8
 - Retreaders: 3
 - Cement kiln/large transfer-grading operation: 2



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Status of Permit Sites (EJ)

- ✎ Expect to receive approx. 13 permit applications (17 total)
- ✎ 1 site under a tire removal agreement (EJ)
- ✎ 2 sites under formal enforcement (both EJ)
- ✎ 1 new processing facility to begin operation late Fall 2016
- ✎ 8 of 13 permit applications in EJ areas
- ✎ 9 permits issued (6 in EJ areas)
- ✎ Notification process for permit applications received in EJ area
- ✎ Expect at least 4 more permit applications before end of 2016

Used Tire Markets

- ∞ **Tire-Derived Fuel (TDF)**
 - utility boilers, cement kilns, pulp and paper mills
- ∞ **Tire-Derived Aggregate (TDA) in Civil Engineering Applications**
 - lightweight fill, foundation backfill, vibration damping, landfill construction/remediation
- ∞ **Crumb Rubber**
 - molded rubber products, recreational (field turf/playgrounds), rubberized asphalt

Used Tire Program Responsibilities

- ∞ Storage registrations/permits
- ∞ Used Tire Transportation Registration Applications (UTTRA)
- ∞ Other reports (annual tire summaries, annual tire transportation reports)
- ∞ Used tire inspections/enforcement
- ∞ Used tire cleanups (ULG)
- ∞ Market development

ULG Used Tire Collection Program

- ∞ Collect and properly dispose waste tires collected by ULGs from public and abandoned properties
- ∞ Collections conducted upon request
- ∞ Program suspended on July 1, 2015 due to budget impasse
- ∞ Concerns with Spring mosquito season and West Nile/Zika viruses (among others)
- ∞ Program restarted this fiscal year
- ∞ Zika/West Nile virus reduction strategy

ULG Used Tire Collection Program

- ☞ Divided state into 3 zones (south to north) w/IDPH
- ☞ Zone 1: Effingham south
- ☞ Zone 2: Effingham to Peoria
- ☞ Zone 3: Peoria north
- ☞ Removal actions scheduled for August through December