

# Michigan Scrap Tire & Ewaste Programs



Opportunities for Involvement

# Scrap Tires



# Cleanup Days



# Collection Sites/ Processors

---



# Public Perception of Scrap Tires

---



# Products Made from Recycled Tire Rubber



The latest synthetic fields look like, play like and outperform natural grass in a number of ways.



# Part 169 MI Scrap Tire Law

---

- ❧ The scrap tire management program regulates transportation, storage and disposal of scrap tires under Part 169 of the Natural Resources and Environmental Protection Act, 1994 PA 451, as amended.
- ❧ Requires registrations depending on site size and business type.
- ❧ Regulates the movement of Scrap Tires and manifests the end point.

# Part 169 MI Scrap Tire Law

---

- ❧ Up to 500 Scrap Tires allowed without registration
  - ❧ Scrap Tire is defined as: a tire that is no longer being used for its original intended purpose including, but not limited to, a used tire, a reusable tire casing, or portions of a tire.
  - ❧ Pretty much any tire after it is removed from a vehicle.
- ❧ 169 Also provides for grant funding and administrative costs.
  - ❧ \$1.50 of SOS Title Transfer fee completely funds the program.

# Scrap Tire End-users



- ❧ End-users are required to register as well as meet certain requirements.
  - ❧ Move 75% of the product on-hand each year
  - ❧ Maintain a bonded area if storing rather than utilizing
- ❧ Includes:
  - ❧ Power Plants
  - ❧ Crumb Rubber Producers
  - ❧ Paper Mills
  - ❧ Cement Kilns
  - ❧ Landfills

# Solid Waste Rules



- ❧ Scrap Tires cannot be landfilled whole. Its only required that they be “size reduced”
  - ❧ Each landfill has their own rule as to how much reduction is required.

# Continuing Scrap Tire Program Issues

---

- ❧ EPA estimate is 11,000,000 scrap tires are generated in MI annually.
  - ❧ Thought to be underestimated based on a national average.
  - ❧ These tires must be managed to get into an end-use that doesn't leave them in an illegal pile.
- ❧ Un-registered (Rouge) haulers and Used Tire Shops often take the disposal fee then dump the tires for a quick profit.
  - ❧ This is the way most new and illegal piles are created

# Scrap Tire Program Grants

---

## Cleanup Grants

- ❧ Primary focus of the Grant Program
- ❧ Most widely known about
- ❧ Available annually
- ❧ Great way to make **CHEAP** and **CONVENIENT** disposal available to citizens

## Market/Research Development

- ❧ Direction to move for Program now that large piles are cleaned up.
- ❧ Ensures that new end uses are created to maintain flow.
- ❧ Essential to prevent new and illegal piles.

# Ewaste Opportunities



# Collection Events



# Ongoing collections



# Common Concept of Ewaste Recycling

---



# Times have changed



# Current state



- ❧ 25 states have programs regulating electronics recycling
- ❧ Michigan Law: Passed in 2009 – effective April 2010.
  - ❧ Requires manufacturers to set up programs
    - ❧ Non-binding: 60% of the material sold previous yr. (TVs)
  - ❧ Requires recyclers to be certified and follow specific rules on data destruction, safety and environmental
  - ❧ Both are required to register and to pay a fee.
  - ❧ DEQ inspects recyclers annually

# Michigan Ewaste Takeback Law

---

- œ 70+/- manufacturers registered (2013)
- œ 28 +/- recyclers registered (2013)
- œ The basics
  - œ Mfg's do not actually set up recycling programs
  - œ Mfg's contract with recyclers to supply pounds of recycled materials collected in Michigan.
    - œ Collectors
  - œ Some will buy pounds from collectors
    - œ Caution with this issue

# Opportunities for Involvement

---

Can Conservation Districts get involved? Yes

☞ Two ways:

☞ Collection events

☞ Permanent collection site

# Typical Methods of collection

---

Events



Collection site



# Getting Involved



- ❧ Recommendations: Use a DEQ registered recycler
- ❧ Issue an RFP or work with County Coordinator to hold an event or become a collection site
- ❧ Know where the material is going- residents will ask
- ❧ Understand expectations of the recycler
  - ❧ Staffing
  - ❧ Read the fine print
    - ❧ Be cautious of last minute deals:
      - ❧ Mid - late summer recyclers are looking for pounds to meet contractual obligations.

# Getting Involved



- ❧ Have a basic understanding of the process
  - ❧ Ewaste law covers residential and small business material.
  - ❧ Understand the material that should be and should not be collected at an ewaste event
    - ❧ Avoid thinking of it as a HHW event.
    - ❧ Once you start it is hard to get out of the habit.
  - ❧ Some material could be regulated under other laws
    - ❧ Subjects the facility to more stringent laws and paperwork.

# Choosing a Recycler



- ❧ Registered with DEQ Takeback program?
  - ❧ Ewaste program website
- ❧ Ask about recycling process
  - ❧ security and data destruction
  - ❧ Where does it go: can't answer?
    - ❧ Reconsider that company as an option
- ❧ Talk to references from other districts or county solid waste coordinators.
- ❧ Other certification- IMPORTANT
- ❧ R2 or E-Steward

# What rules apply?



☞ Solid waste

☞ Hazardous wastes

# Solid Waste



- ❧ Electronic waste coming from residents and small businesses (CESQG)
  - ❧ - Michigan allows this material to be landfilled
- ❧ Notification of collection activities to DEQ for collection programs.
  - ❧ 2002 operational memo

# Hazardous Waste



❧ Lead in the material makes most electronics a hazardous waste when disposed.

❧ Televisions and old style monitors

❧ Several exemptions from full regulation

❧ “universal waste” classification

# Universal Waste



- ⌘ Includes Electric lamps, Batteries, Pesticides, Mercury-containing devices; Circuit board-containing electronics.
- ⌘ Reduces generator volume, not counted as hazardous waste
- ⌘ Fewer transportation requirements, no manifest needed in Michigan - MDOT hazardous material requirements
- ⌘ Longer accumulation time allowance and less labeling required

# Major Universal Waste Requirements



## Small Quantity Handler

- Less than 11,000 lbs. on site
- Material to universal waste facility
- Don't need to register For EPA ID #
- No record keeping

## Large Quantity Handler

- > 11,000 lbs on site
- Michigan ID required
- Record keeping required
- Material goes to universal waste facility

# Destination Facility



- ❧ “A destination facility is a company that treats, disposes of, or recycles a particular category of universal waste.”
  - ❧ - e.g., collect and store ewaste.
- ❧ This type of facility has numerous regulatory requirements and DEQ should be contacted if a company is interested in becoming a destination facility.
- ❧ Destination facilities need to register with DEQ

# Continuing Electronic Waste Program Issues



- ❖ Underserved areas of Michigan
- ❖ Funding of Collection programs
- ❖ Consumer Education

# Questions?



Steve Noble, Program  
Coordinator  
MDEQ Electronics Takeback  
517/284-6589  
nobles4@michigan.gov



Michael Marshall,  
Scrap Tire Program  
Coordinator  
517/284-6586  
marshallm7@michigan.gov