



MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
WASTE AND HAZARDOUS MATERIALS DIVISION
STORAGE TANK AND SOLID WASTE SECTION
SOLID WASTE MANAGEMENT UNIT

MICHIGAN'S SCRAP TIRE REGULATORY PROGRAM: Successful Program Components

Cross-Border Environmental
Management Conference
Austin, TX
February, 2007



The Problem-Unregulated Management

- Michigan generates 9-10 million scrap tire/year
- Estimated 30 million tires in stockpiles in 1991
- Estimated 11 million scrap tires currently in stockpiles in Michigan; about 6 million of which were accumulated prior to 1991
- Environmental & Public Health issues-fire and mosquitoes



Michigan's Choice to Deal with the Problem

- Regulate the Industry
 - Require acceptable Management
 - Require financial responsibility
 - Create regulatory incentive to recycle tires
 - Create financial disincentive to store or dump tires
 - Identify and register industry members
 - Allow Private Enterprise to establish costs
 - Assist Development of Viable Markets





Regulation Results

- Processing Industry Growth-Processing Capacity in excess of generation
 - More processors in the state and number continues to increase
- Market Capacity Increase
 - Scrap Tire Market capacity has increased from less than 3 million to more than 20 million scrap tires per year.
 - Scrap Tire Market continued to expand without governmental subsidy. Subsidy via the End-User grant program **hasn't** made a dramatic difference.
 - New market capacity is expected annually.



Regulation Results

- Decrease in Dump Concerns/Stockpile Cleanup
 - Estimated Pre-1991 Stockpiles reduced by approximately 20 million passenger tire equivalents.
 - Increased compliance rates at most current sites.
 - Some environmental or public health compliance improvement at most all sites.

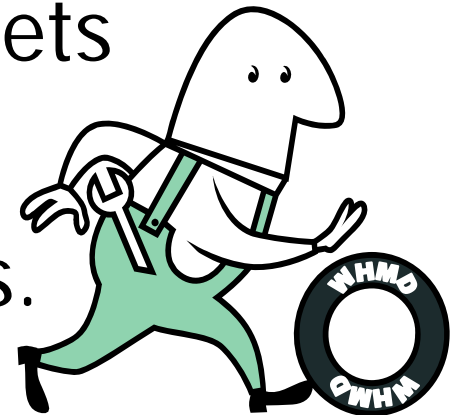


Factors Behind the Program's Success

- A continuing appropriately funded cleanup program to address abandoned scrap tires and those collected prior to 1991.
- Simple cleanup program-goal = to cleanup.
- Consistent enforcement of the statute.

Factors Behind the Program's Success (cont.)

- Periodic review of the Program and statute to address changing needs.
- Working with local Units of Government to raise awareness
- Continue to find new outlets for the stockpiled tires and newly generated scrap tires.





Contact Information

- For additional information on scrap tires, please check the MDEQ's website at www.michigan.gov/deq. Click on "waste" and then on "scrap tires." You will find grant information, registration forms, copies of Part 169, lists of registered scrap tire haulers and collection sites, District tire staff contacts, and other useful information.
- Rhonda Oyer Zimmerman, Chief
Solid Waste Management Unit
517-373-4750
oyerr@michigan.gov