

# Waste and Hazardous Materials Division

George W. Bruchmann, Chief

November 5, 2008



Department of  
**Environmental Quality**

Steven E. Chester, Director

# WHMD Programs

- Hazardous Waste
- Solid Waste
- Medical Waste
- Storage Tank
- Scrap Tire
- Radiological Protection
- Transportation of Hazardous or Liquid Industrial Waste

# Hazardous Waste Program

- Latest Part 111 Rules amendments effective March 17, 2008
- Available electronically – Click on “Waste” and “Hazardous and Liquid Industrial Waste” from DEQ Web site (<http://www.michigan.gov/deq>)
- Part 111 Rules Update:
  - Federally-initiated changes
  - State-initiated changes

# Hazardous Waste Program

- New Federal Rules
  - F019
    - Amendments to listing for automobile manufacturing
    - Michigan consistent with federal rule through interim use of delisting authority
  - Definition of solid waste
    - Exclusions for recycling of hazardous waste

# Hazardous Waste Program Fire and Explosion Task Force

- Convened to proactively address fires/explosions at TSDs regulated under Part 111.
- Studied incidents at TSDs over last five years. Issued report with conclusions and recommendations.
- WHMD management is currently assessing recommendations for implementation.

# Solid Waste Program

- Michigan's updated Solid Waste Policy, May 2007
- Solid Waste Advisory Committee
- Utilization and measurement



# Solid Waste Program

## Composting of Yard Clippings

- New requirements for managing yard clippings took effect March 26, 2008.
- Goal is to promote proper composting and use.
- Compliance assistance approach for implementing new requirements.

# Solid Waste Program

## Composting of Yard Clippings



100 Registered Composting Facilities

20 Inspections of Registered Composting Facilities

# Part 115, Solid Waste Management, Proposed Rule Changes

- Inertness Designations
- Composting
- Beneficial Use

# Solid Waste – Gas Management

- Development of staff guidance/procedures to address control and regulation of landfill gas emissions.
- Michigan Climate Action Council – Develop inventory of greenhouse gas emissions from solid waste disposal.

# Medical Waste Program

- Stakeholders meetings in 2007
- Draft legislation developed
  - Housekeeping changes
  - Rule development for treatment technologies

# Storage Tank Program

- Amendments to Part 211, Underground Storage Tank (UST) Regulations, of the NREPA
  - UST operator training
  - Secondary containment
  - MUSTR update

# Storage Tank Program

- Fire Prevention Code, 1941 PA 207, as amended
- Rule Changes:
  - Hydrogen Rules
  - LPG Rules



# Scrap Tire Program Market Development Grants

- In December 2006 amendments were made to grant provisions of Part 169, Scrap Tires, of the NREPA.

# Scrap Tire Program Market Development Grants

- \$500,000 available each year for grants to support development of increased markets.
- Cost reimbursement grants up to 50 percent of equipment cost.

# Radiological Protection Program

- Letter of Intent to become an Agreement State sent to U.S. Nuclear Regulatory Commission by the Governor – July 2007
- Need legislation changes to Part 135, Radiation Control, of the Public Health Code
- Ionizing Radiation Rules revisions underway - Agreement State Advisory Committee assisting
- Federal Energy Policy Act of 2005 – NARM registration program will revert to U.S. NRC in August 2009

# Liquid Industrial Waste Amendments

- 2008 PA 8 – Changes to Part 121, Liquid Industrial Wastes, of the NREPA
- Relief for the management of liquid vegetable or animal fat oil that is used directly to produce biofuels
- Additional exemptions
- Clarification

# Liquid Industrial Waste Amendments

- 2008 PA 153 – Changes to Part 121, Liquid Industrial Wastes, of the NREPA
- Excludes pipeline interface and off-spec fuels at gas stations from Part 121 when returned to refinery for reclaim