



MICHIGAN DEPARTMENT OF
ENVIRONMENT, GREAT LAKES, AND ENERGY

Materials Management Division Updates

Liz Browne, Director

Materials Management Division

517-242-2746 | BrowneE@michigan.gov

Five Priorities for Solid Waste Program Improvement

- Work with stakeholders to develop legislation to amend the solid waste law to focus on materials management rather than disposal
- Develop stronger measurement of and reporting by materials management facilities
- Grow markets in Michigan for recycled materials through market development projects
- Statewide education and outreach campaign
- Grants for recycling infrastructure, materials management planning, and market development

Solid Waste Legislation

- Updated materials management planning
- Increased education and awareness of disposal options and techniques
- Provide standards for recycling and composting facilities
- Update landfill requirements
- House Bills 4454-4461 were passed by the House and are currently residing in the Senate Regulatory Reform Committee awaiting action.



Materials Management Planning

- Focus on utilization capacity – not disposal capacity
- Measurable goals and objectives
- Benchmark recycling standards
- Promote regional planning and provide for more local control (zoning)
- Incorporate ways to increase recycling access and participation



Part 115 Grant Programs

Materials Management Planning Grants

Non-competitive grants for preparing, implementing, and maintaining county materials management plans

Non-Planning Grant Programs

- Recycling Markets Program
- Local Recycling Innovation Program
- Recycling Access & Voluntary Participation

Renew MI Competitive Grant Opportunities

- Market Development
- Recycling Infrastructure
- Small Community Education
- NextCycle



Contact Information

Materials Management Planning: Christina Miller, MillerC1@Michigan.gov or 517-614-7426	Education, Engagement, and Recycling Racoons Campaign: Emily Freeman, FreemanE@Michign.gov or 517-256-9466 Amy Karana, KaranaA@Michigan.gov or 517-242-8324
Composting: Aaron Hiday, HidayA@Michigan.gov or 517-282-7546	Market Development, NextCycle: Matt Flechter, FlechterM@Michigan.gov or 517-614-7353
Financial Assurance and Landfill Oversight: Margie Ring, RingM@Michigan.gov or 517-290-6125 Landfill Geology: Jim Arduin, ArduinJ@Michigan.gov or 517-614-7434	State Agency Recycling: Emily Freeman, FreemanE@Michign.gov or 517-256-9466
Funding: Liz Browne, BrowneE@Michigan.gov or 517-284-6552	General: Rhonda Oyer, OyerR@Michigan.gov or 517-897-1395 Jeff Spencer SpencerJ3@Michigan.gov or 517-281-4411

Scrap Tire Program – Part 169

- Michigan generates one scrap tire per resident on an annual basis or approximately 10 million scrap tires per year.
- Part 169 has been in effect since 1991 yet piles of tires continue to be cleaned up.



Scrap Tire Cleanup Grants

The 2021 Cleanup Grants included 70 grants awarded (42 new grants and 28 amended grants) totaling \$791,294, which positively impacted over 100 communities. The cleanups that occurred provided targeted removal of nearly 400,000 passenger tire equivalents.

These cleanups resulted in the:

- Reduction or elimination of the threat of mosquito-borne illness
- Reduction in the threat to public health and the environment.
- Continued cleanup of legacy tire piles from abandoned dump sites.



Scrap Tire Market Development Grants

A valuable tool in expanding scrap tire markets.

Six projects were awarded grants during 2021, totaling \$4,285,331; these projects included road construction related activities (paved 107 lane miles), equipment purchases, and innovative projects focused on educating engineers on the uses of scrap tire.



Scrap Tire Program Contact Information

Kirsten Clemens EGLE-ScrapTire@Michigan.gov or 517-614-7431



Electronic Waste Program Three Year Focus

Awarded \$490,000 in grants resulting in 270,382 pounds of electronics being recycled from rural communities.

- Established collection network
- Encouraged proper recycling
- Supported communities that want to participate





Electronics Collection Network

- Voluntary program for the collection and proper recycling of unwanted electronics.
- Supports both business and consumer electronics recycling
- Cooperative effort of EGLE and a consortium of registered electronics manufacturers.

Electronic Waste Program Contact Information

Electronic Waste Program Coordinator:

Steve Noble, NobleS4@Michigan.gov or 517-449-6153

Radon Education and Outreach Program

RADON

is the second leading cause of
lung cancer in the United States.

Test. Fix. Save a life.

EGLE 800-RADONGAS (800-723-6642) • Michigan.gov/radon

Distributed 9213 radon testing kits to Michigan residents through local health departments.

Radon Program Contact Information

Radon Program Coordinator:

Les Smith, SmithL9@Michigan.gov or 517-388-6913

EGLE Radon Website: Michigan.gov/radon

Energy and Sustainability Program

Potential Grant Opportunities

MMD has other grant programs that support work relative to energy efficiency and other sustainability efforts, as examples:

- Energy: Ag/Rural Communities
- Energy: Community Energy Management
- Energy Community Solar Program
- Energy: State Local Energy Assurance Program
- Community Pollution Prevention Grants



We are also looking to restart a program for small businesses to be evaluated for energy efficiency recommendations.

Catalyst Communities

Webinars, workshops and cohort-style academies offered as a multi-tiered approach to provide local decision-makers with the knowledge, tools and resources to take steps toward a just transition to decarbonization.

Upcoming Catalyst Community Presentations

The following Catalyst Community Presentations are scheduled:

- April 26, at 1:00 p.m. - Lessons Learned in Creating a Municipal Climate Action Plan.
- May 19, at 9:00 a.m. - Resources and Guidance for Enhancing Local Urban Forestry Programs.
- July 12, at 2:00 p.m. - Workshop: Fundamentals of Energy Savings Performance Contracting in Michigan.

Communities interested in learning more can visit the Catalyst Communities webpage and sign up through EGLE Connect to receive program updates.

EGLE Grants and Loans Information

To learn more about all the grant and loan opportunities available through EGLE:

https://www.michigan.gov/egle/0,9429,7-135-3307_3515---,00.html

(you can also use a search engine for EGLE Grants and Loans)

The site also has an interactive dashboard where you can find out about grants and loans that have been awarded. It is searchable by grant or award program, awardee, fiscal year, Senate or House District



Emerging Issues

Lithium-Ion Battery Fires

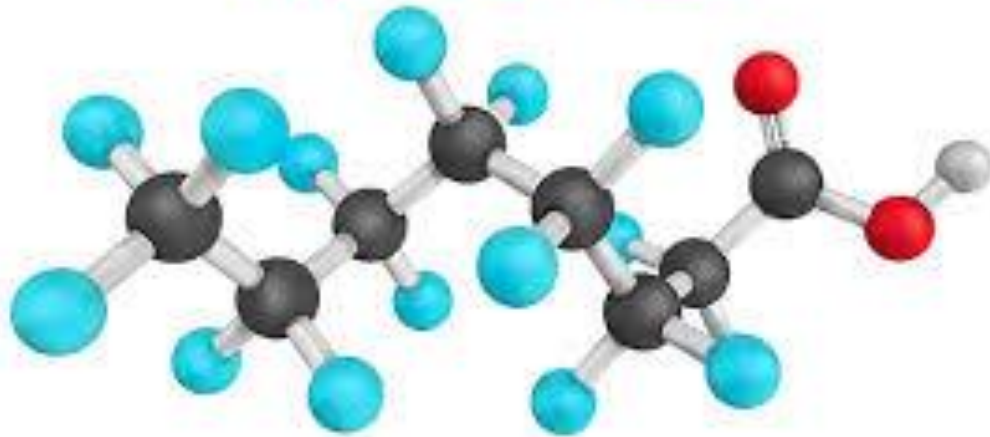
At Waste Collection/Handling/Disposal Operations

- An MMD and Industry Workgroup formed recently to develop a “Tips and Best Management Practices” Document for dealing with this issue.
- The Workgroup includes a diverse range of owners/operators/regulators/consultants.
- The Document will be for Waste Haulers, Transfer Stations, Materials Recovery Facilities, and Landfills
- The Document target completion date is late summer 2022.



A Not so Emerging Issue

PFAS



In addition to our Hazardous Waste TSDFs, Solid Waste Program geologists are currently working with site owners/operators (where available) on 107 identified PFAS sites.

Michigan Department of
Environment, Great Lakes, and Energy

800-662-9278

Michigan.gov/EGLE



Follow us at: Michigan.gov/EGLEConnect