

MATERIALS MANAGEMENT DIVISION

2021 At-A-Glance

Our scientists and engineers oversee the handling of solid waste, scrap tires, electronic waste, medical waste, liquid industrial by-products, hazardous waste, and radioactive materials to protect Michigan's public health and environment. We are responsible for developing a comprehensive recycling strategy and reducing Michigan's reliance on non-renewable energy. We coordinate with nuclear power plants and emergency responders to prepare for nuclear power plant emergencies and promote radon awareness across Michigan.



9,908

requests for information and records processed



916

sites managing hazardous waste, solid waste, scrap tires, and radioactive materials inspected



46

drone flights to monitor radiation and observe landfills, industrial sites, tire piles and natural areas



40

webinars hosted reaching 8,363 people



\$490,000

in grants awarded resulting in 270,382 pounds of electronics being recycled from rural communities

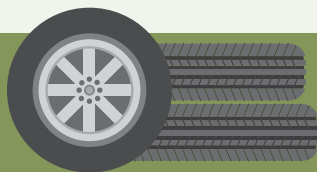
\$1.3 million

in grants to clean up over 400,000 dumped tires and pave 107 lane miles of Michigan roads with rubber modified asphalt



\$2.2 million

in grants awarded to 3 materials recovery facilities to process an additional 117,000 tons of recyclables per year



9,213

radon testing kits distributed to Michigan residents through local health departments





PERMITS & LICENSES: MMD reviews permit and license applications for hazardous waste and solid waste management facilities, such as landfills, transfer stations, and treatment facilities. These are in-depth reviews of engineering, operational, and environmental monitoring plans. MMD reviewed 40 applications, issued 39 permits/licenses and denied 1 license.



TRANSPORTERS: Transporters of hazardous waste and liquid industrial by-product must be authorized by MMD. MMD issued 188 transporter credentials and inspected 21 transporters.



REMEDIATION: MMD oversaw the investigation and management of 46 sites of hazardous waste contamination and 68 sites of per- and polyfluoroalkyl substances (also called PFAS) contamination.



ENFORCEMENT: MMD addresses violations through a progressive enforcement strategy focused on gaining compliance. Staff referred 18 cases for escalated enforcement, 12 cases were settled, 2 lawsuits filed, and \$308,172 in penalties were assessed.



RADIOLOGICAL EMERGENCY PREPAREDNESS: MMD physicists participated in 9 emergency drills to prepare for potential emergencies at nuclear power plants. They also hosted 8 training sessions for local governments, analyzed over 2,000 environmental samples for radioactivity, and maintained over 3,000 pieces of monitoring equipment.



RADIOACTIVE MATERIALS: MMD physicists assisted 10 citizens and responded to 10 other incidents where radioactive materials were unexpectedly found.



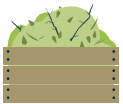
POLLUTION PREVENTION: MMD awarded 12 grants to replace diesel trucks and busses with new low or zero emission vehicles. These projects will collectively result in the reduction of 3,500 metric tons of CO₂E and 43 metric tons of NO_x emissions annually.



NEXTCYCLE MICHIGAN: EGLE's Circular Economy Incubator awarded over \$3M in grants and formed over 100 formal partnerships with public and private sector organizations working together to grow recycling jobs, reduce waste, and fight climate change.



ENERGY: MMD awarded \$427,670 in grants to 25 communities and businesses for energy efficiency and renewable energy improvements. This work will save an estimated 250,000 kWh per year and produce 20 kWh per year using solar energy.



COMPOST: MMD revamped the compost webpage at Michigan.gov/EGLECompost to include food waste and recovery educational information.



TECHNOLOGY: MMD launched an enhanced reporting and registration system simplifying landfill waste reporting and the process for obtaining authorizations and registrations for composters, scrap tire haulers and collection sites, and e-waste manufacturers and recyclers.



MEDICAL WASTE: The medical waste program provided assistance to businesses, schools, and residents regarding the proper disposal of personal protective equipment (masks, gloves, and gowns) generated as a result of the COVID pandemic.



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