



MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

# Forever Chemicals Michigan's Response to PFAS Contamination

Liesl Clark, Director  
517-284-6712  
ClarkL20@Michigan.gov

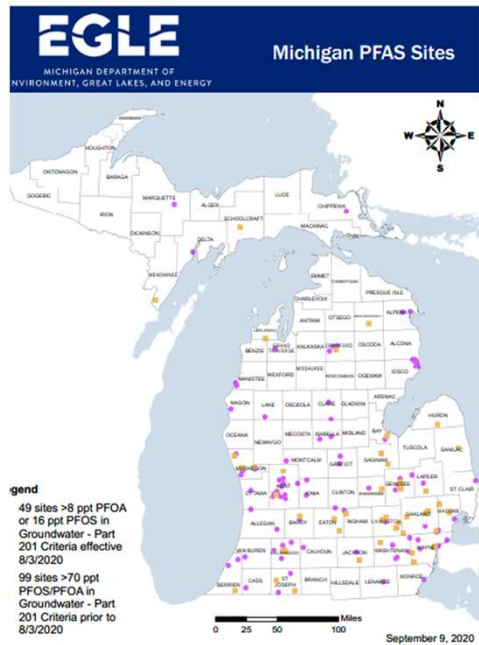
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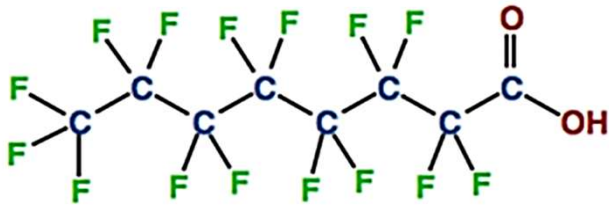
## MI PFAS Sites: 138 (Aug. 2020)

- Exceed groundwater cleanup criteria
- Prioritized Investigations Based on Known or Suspected Sources, Potential for Exposure
- Protect Drinking Water Pathway



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## Per- and Polyfluoroalkyl Substances (PFAS)



PFOA - perfluorooctanoic acid

- **Strong Carbon-Fluorine Bonds**
- Surfactants
- Repel Water, Oil, Fat, and Grease
- Began Developing in 1940s
- 5,000 + Compounds Today

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## PFAS Uses



Aerospace



Apparel and Fabrics



Building and Construction



Chemicals and Pharmaceuticals



Electronics



Oil, Gas, and Energy



Industrial



Healthcare and Hospitals



Aqueous Film Forming Foam

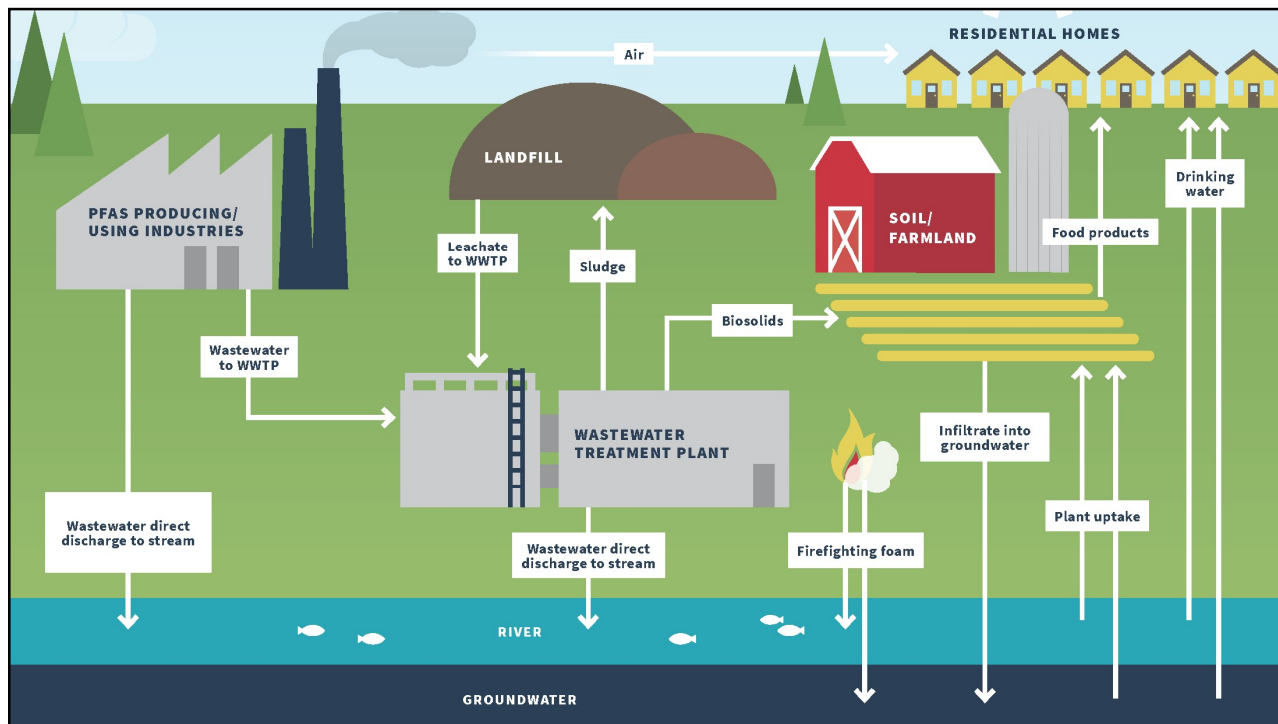


Food Packaging

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## Michigan PFAS Action Response Team (MPART)



- Executive Order 2019-03
- Unique Multi-Agency Approach
- Leads Coordination and Cooperation Among All Levels of Government
- Directs Implementation of State's Action Strategy

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## Drinking Water Standards

- No Federal Standards to Adopt
- Science Advisory Panel Report, December 2018
  - 70 ppt standard for PFOA/PFAS too high
  - Other PFAS should be considered
- Michigan's Two-Step Approach
  - Science Advisory Workgroup provided health-based values
  - EGLE promulgated standards in rule

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Michigan Department of  
**Environment, Great Lakes, and Energy**

800-662-9278  
Michigan.gov/EGLE



For More Information:

**MPART website:**  
<https://www.michigan.gov/pfasresponse/>

**Steve Sliver**  
MPART Executive Director  
517-290-2943  
SliverS@michigan.gov

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