Per- and Polyfluoroalkyl Substances

Michigan Department of Environmental Quality

January 11, 2018
PFAS

**Per- and Polyfluoroalkyl Substances**

- USEPA designation - national emerging contaminant
- PFAS - suite of chemicals, thousands of applications
- Used in industrial, food, and textile industries
- Characteristics
  - Incredibly stable
  - Break down very slowly
  - Highly soluble
  - Easily transferred through soil to groundwater
Statewide Concerns

- PFAS contamination identified in several locations in Michigan
- Currently – 14 locations, 29 sites
- Sources include:
  - Current and former military installations
  - Tanneries
  - Plating operations
  - Legal and illegal disposal sites
Michigan PFAS Action Response Team (MPART)

- Governor Snyder signed ED 2017-4 on November 13
- Design: ensure comprehensive, cohesive, timely response to continued mitigation PFAS substances (PFAS) across Michigan
- Goal: provide cooperation and coordination among all levels of government
Confirmed PFAS Locations

Alpena
Ann Arbor
Escanaba
Flint
Grayling
Gwinn
Lansing
Lapeer
Mt. Clemens
Mt. Pleasant
Oscoda
Plainfield Township
Rockford
Tawas
**Confirmed PFAS Locations/# sites**

- Alpena/2
- Ann Arbor/1
- Escanaba/1
- Flint/2
- Grayling/3
- Gwinn/1
- Lansing/2
- Lapeer/2
- Mt. Clemens/2
- Mt. Pleasant/1
- Oscoda/7
- Plainfield Township/2
- Rockford/2
- Tawas/1

14 locations
29 sites
Challenges

- Test analysis time frame
- Unsettled science
- Funding
DEQ’s PFOA and PFOS
70 ppt Drinking Water Criterion

- PFAS criterion – 70 ppt PFOA and PFOS combined, established under Part 201
- Took effect Wednesday, January 10, 2018
- Allows MDEQ to:
  - Mandate responsible parties conduct activities
  - Take legal action who doesn’t comply with MDEQ’s cleanup rules
- 70 ppt comes from the health advisory value set by EPA for PFOA and PFOS.
Next Steps

• Stand up state laboratory capabilities
• MPART
• PFAS Multiagency Technical Workgroup
• Scientific Advisory Committee
• Local Public Health Advisory Committee
• Secure ongoing financial support
• Web site: www.michigan.gov/pfasresponse