

Per- and Polyfluoroalkyl Substances

Michigan Department of Environmental Quality

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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

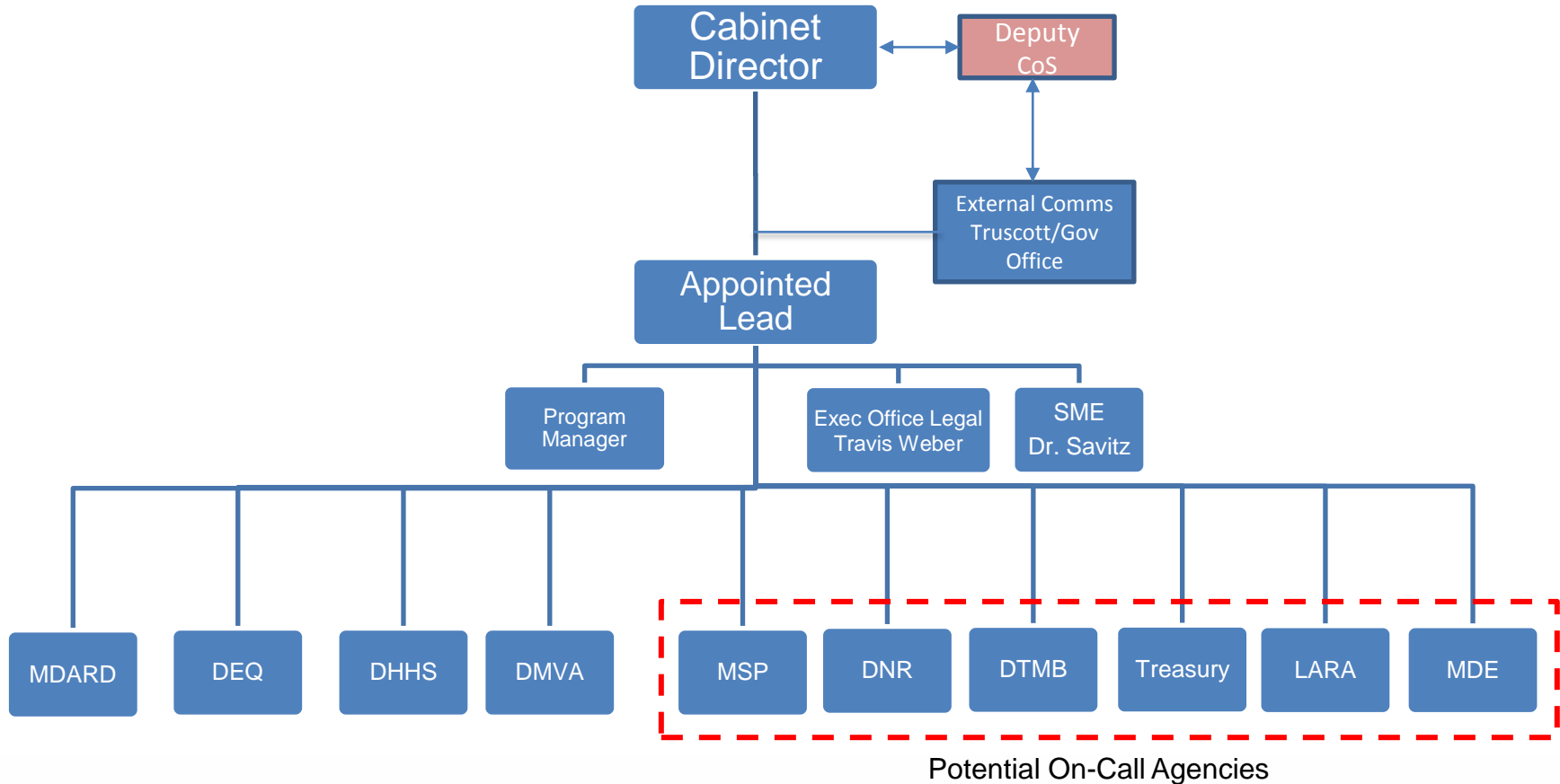
Statewide Concerns

- PFAS contamination identified in several locations in Michigan
- Currently – 15 locations, 30 sites
- Sources include:
 - Current and former military installations
 - Tanneries
 - Plating operations
 - Legal and illegal disposal sites

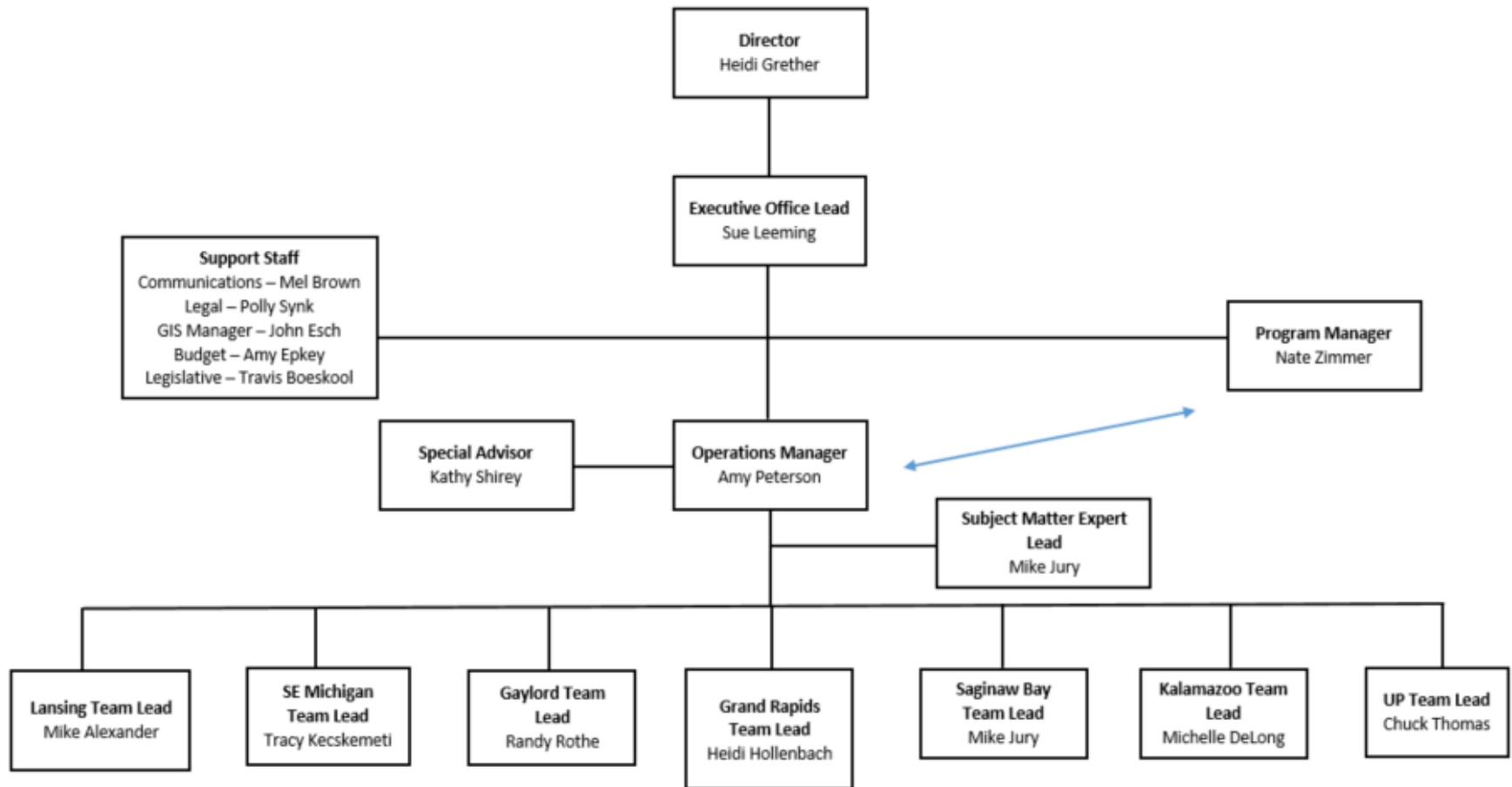
Michigan PFAS Action Response Team (MPART)

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

Michigan PFAS Action Response Team

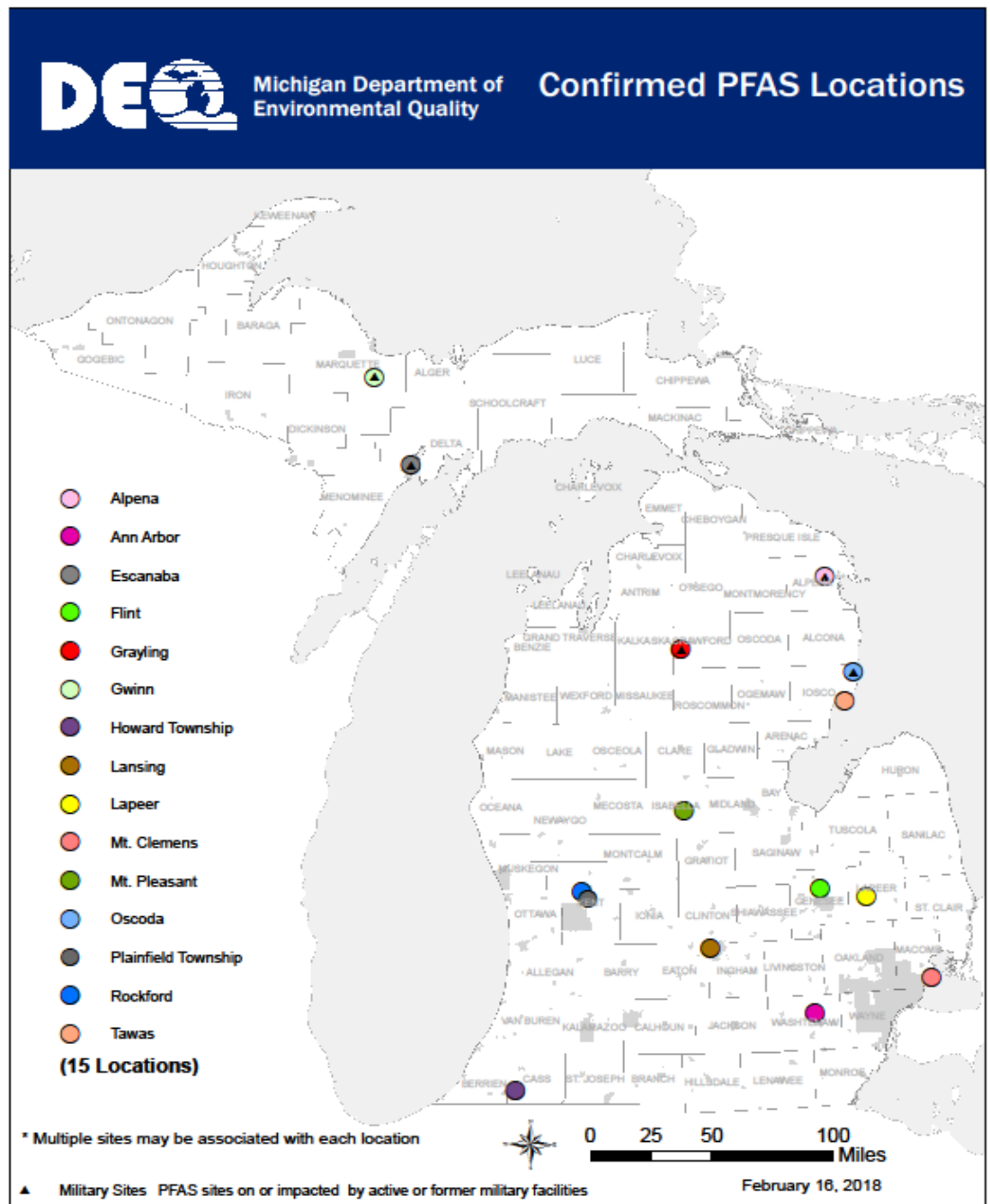


DEQ Action Response Team



Confirmed PFAS Locations

Alpena
Ann Arbor
Escanaba
Flint
Grayling
Gwinn
Howard Township
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

Howard Township/1

Lansing/2

Lapeer/2

Mt. Clemens/2

Mt. Pleasant/1

Oscoda/7

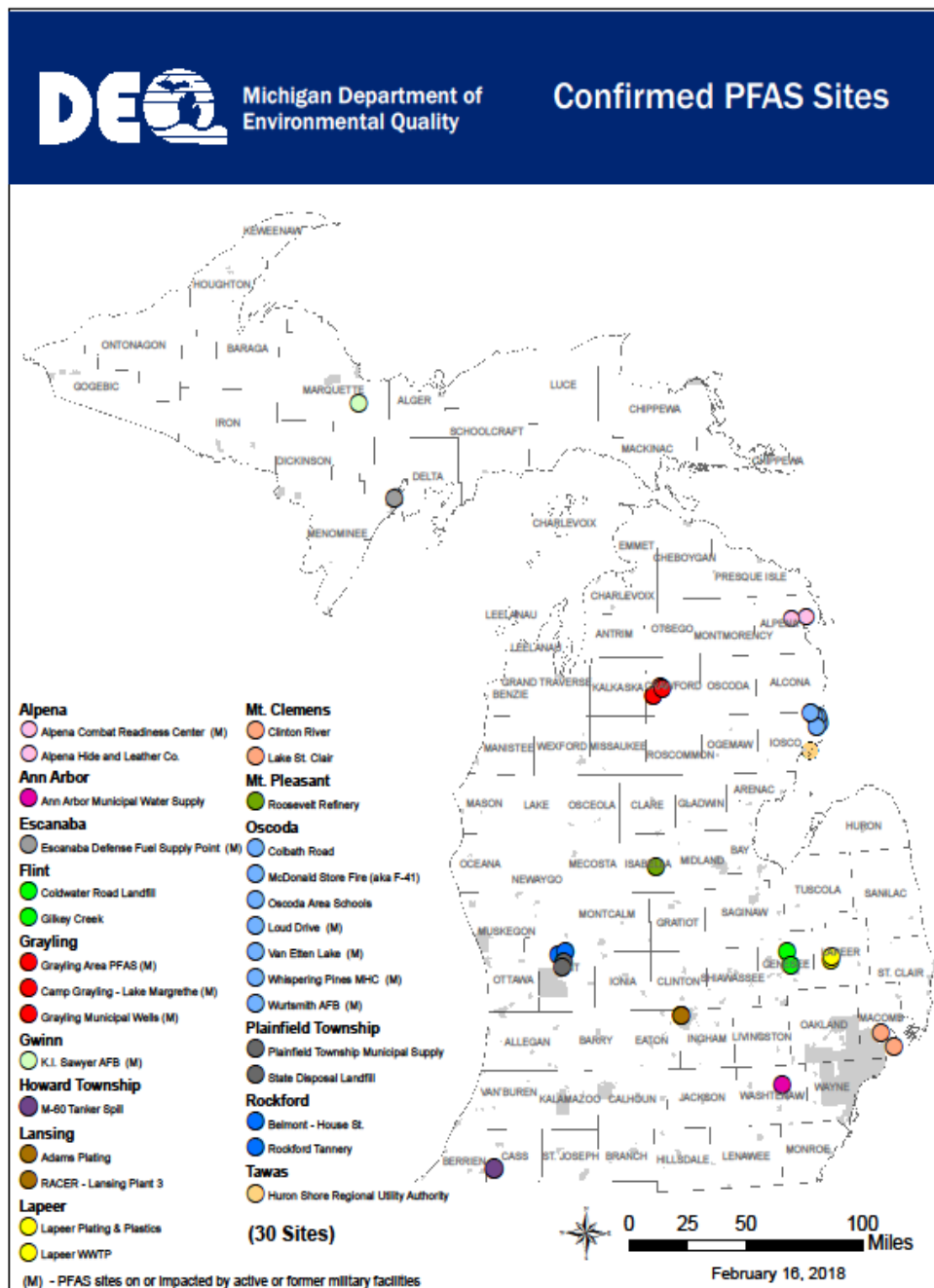
Plainfield Township/2

Rockford/2

Tawas/1

15 locations

30 sites



DEQ's PFOA and PFOS Drinking Water Criterion

- PFAS criterion – 70 ppt PFOA and PFOS combined, established under Part 201
- Took effect January 10, 2018
- Allows DEQ to:
 - Mandate responsible parties conduct activities
 - take legal action against those who do not comply with DEQ's cleanup rules
- 70 ppt comes from the health advisory value set by EPA for PFOA and PFOS.

Next Steps

- State laboratory capabilities
- Coordination through MPART
- PFAS Regional Team
- PFAS Multiagency Technical Workgroup
- Scientific Advisory Committee
- Local Public Health Advisory Committee
- Secure ongoing funding
- Web site: www.michigan.gov/pfasresponse

Contact Information

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