



DREDGED MATERIAL MANAGEMENT IN MICHIGAN – A WORKING GROUP APPROACH FOR PFAS

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Great Lakes Dredging Team – Virtual Presentation

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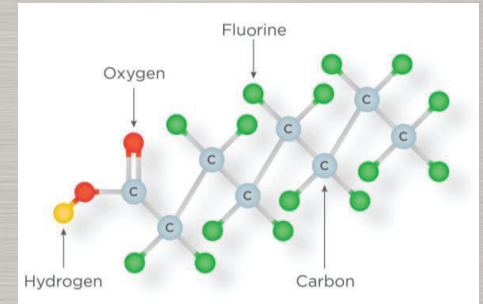
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USACE / State of Michigan PFAS Working Group

- Current state:

- PFAS is likely to have significant impacts on USACE dredging
- State of Michigan issues 401 Water Quality Certifications for many dredging projects
- Great work is currently being done by Michigan and USACE on the PFAS front
- It is critical to establish a forum for collaboration, sharing internal processes/challenges of all stakeholders, and developing mutually beneficial solutions



Molecular structure of a typical PFAS substance



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Michigan PFAS Action Response Team

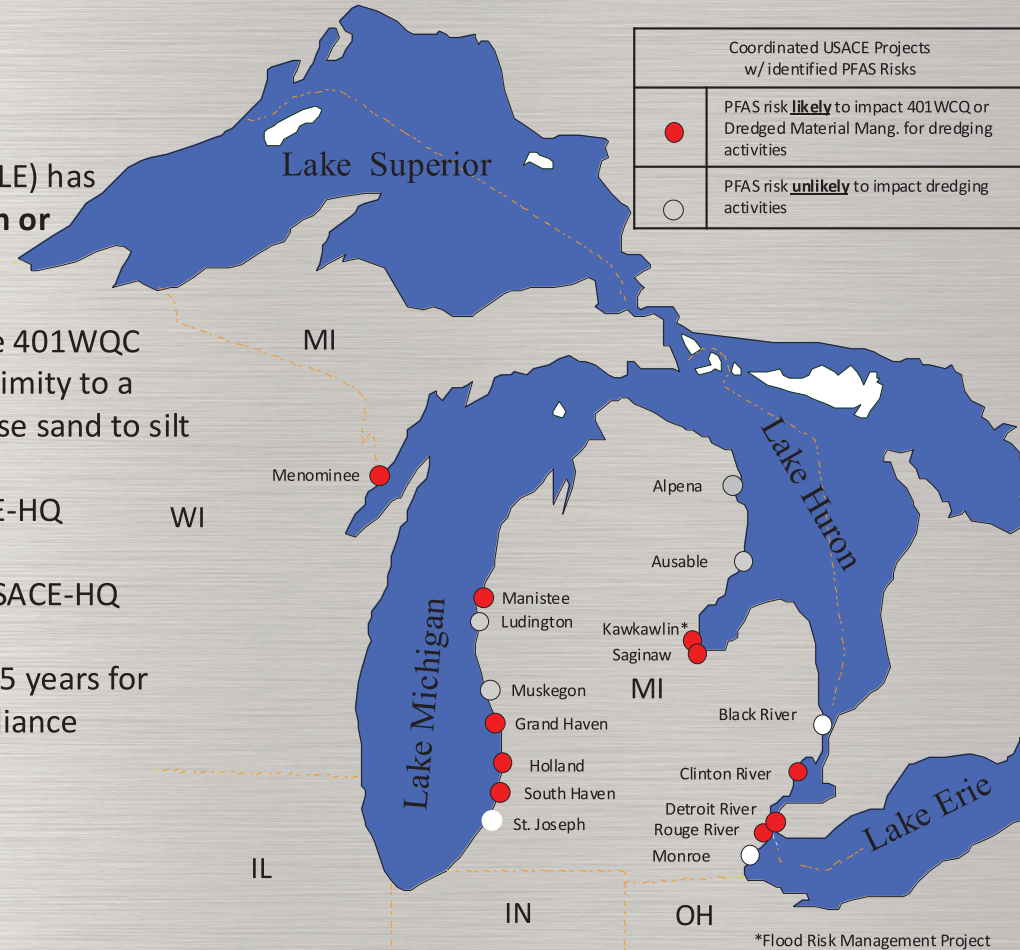


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The Michigan Department of Environment, Great Lakes, and Energy (EGLE) has identified 16 harbors and 1 flood risk management project with known or suspected impacts by sources of PFAS contributing sites:

10 federal projects are likely to be impacted by PFAS testing through the 401WQC process or future dredged material management strategies; due to proximity to a PFAS contributing source and sediment characteristics (percentage coarse sand to silt in shoal material)

- 1 PFAS sediment sampling work request approved through USACE-HQ (Menominee)
- 1 PFAS sediment sampling work request not approved through USACE-HQ (Grand Haven)
- 8 will need future PFAS sediment sampling work requests in next 5 years for 401WQC or Dredged Material Management environmental compliance

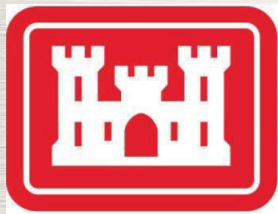


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- A working group has been established that includes staff from **USACE** (Detroit District, HQ and Engineering Research and Design Center) the **Michigan Department of Environment, Great Lakes, and Energy (EGLE)** and the **Michigan Department of Natural Resources**.
- The goal of the group is to allow USACE and the State of Michigan to work proactively and collaboratively to find environmentally suitable, implementable solutions to dredged material management while considering potential presence of PFAS in the dredged material.



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- Monthly meetings started in December 2024
- Topics addressed have included:
 - USACE dredging and dredged material management processes and challenges
 - The State of Michigan's approach to PFAS management
 - Data sharing opportunities
 - Development of future guidance and regulations
- Progress the group has made:
 - EGLE has provided a list of USACE harbors where PFAS is a concern
 - Sharing ERDC research regarding regional background levels of PFAS in the Great Lakes
 - Early discussion and coordination regarding Michigan guidance for PFAS evaluation of dredged sediment



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