

**Citizen's Advisory Workgroup (CAWG) Meeting Summary
June 9, 2020 {Finalized July 14, 2020}**

ATTENDEES:

Patty Baldwin	Mike Jury	Randy Rothe
Bill Barnett	Theresa Landrum	Christina Schroeder
A. J. Birkbeck	Deb MacKenzie-Taylor	Steve Sliver
Connie Boris	Susan Manente	Ian Smith
Daniel Brown	Lynn McIntosh	Shelli Thurston
Daniel Burlingame	Pam McQueer	Marcus Wasilevich
Daniel Buyze	Penny Minhinnick-Burns	Aaron Weed
Jennifer Carney	Tammy Newcomb	David Winn
William Creal	Amy Peterson	Sandy Wynn-Stelt
Jeff Dutton	Kelly Ploehn	Hal Zweng
Kenneth Harvey	Bob Potocki	

The attached presentation was used to help facilitate the discussion.

Meeting Summary

MPART UPDATES

No requested additions for the current agenda.

Perfluoroethycyclohexane Sulfonate (PFECHS) Whitepaper

Current Knowledge of Physiochemical Properties, Environmental Contamination and Toxicity

Presented by MPART's Human Health Workgroup

Presented by Jordan Bailey with MDHHS

MDHHS Update of PFAS Epidemiology Investigations (Several Ongoing/Upcoming Investigations)

Presented by Betsy Wasilevich with MDHHS

PFAS Epidemiology/Toxicology Investigations (Ongoing)

Exposure Assessment of North Kent County – Were people exposed to a known source? And by how much?

- Currently analyzing reports that describe PFAS levels in drinking water and blood samples from across the community,
- Preliminary Report describes blood PFAS levels among the participants,
- The summary will be mailed directly to participants,
- Both the summary and full preliminary reports will be posted (www.michign.gov/envirohealth)

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Health Studies

Two Studies

1. Michigan PFAS Exposure and Health Study (MiPEHS), includes MDHHS research team, and several partners: Scientific Guidance Panel, Community Stakeholder Groups, CDC/ATSDR, RTI International, Planning began in July 2019
 - Multi-year study measuring health effects of PFAS in drinking water in several areas: City of Parchment/Cooper Township and North Kent County
 - Data and sample collection from participants at three timepoints (Phase 1-2020, Phase 2-2022, and Phase 3-2024), each spaced approximately 2-years apart
 - Research on hold due to COVID-19

2. Multi-site Health Study, Planning began in October 2019
 - One-time study measuring health effects of PFAS in drinking water in several areas: City of Parchment/Cooper Township and North Kent County (up to 1,300 participants: 1,000 adults and 300 children)
 - Data will be compiled with six other sites across the US
 - First year focusing on planning and historical reconstruction of exposures / Physiologically based Pharmacokinetic Model (PBPK) modeling
 - Recruitment and study office visits planned to start in the second year (2020-2021)

***Anticipated timeline for both Health Studies will depend on on-going COVID-19 pandemic response efforts*

Biomonitoring Surveillance Programs

Two studies

1. Michigan Chemical Exposure Monitoring (MiChEM) Program, Planning began in October 2019
 - Measures adults of Michigan adults for levels of exposure of several chemicals
 - 1,375 participants, from one-time point
 - Conducted over 3-years
 - Pilot data collection procedures anticipated at the end of 2020; participant recruitment planned to begin in 2021

2. PFAS in Firefighters of Michigan Surveillance (PFOMS) Program, Planning began in October 2019
 - Measures firefighters who work for airports or municipal fire departments for levels of PFAS exposure
 - 600 firefighters, from one-time point
 - Participant recruitment planned to begin 2021

Q: Do you have enough funding, and would better support of legislature provide quicker results?

A: Currently there is funding (grants, state funding - but recognizing it could change with current situations)

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Q: How were the communities for studies selected? With the history of PFAS, why was Oscoda not selected as a community? When will studies be done in Oscoda?

A: These particular studies focus on recent exposures. To evaluate if PFAS levels in blood samples and health effects will decrease overtime with decreasing PFAS amounts in water supplies. Residents are encouraged to participate in upcoming meetings/listening sessions in their area to express concern and ask questions.

Q: Oscoda has continued exposure, why are they not included? And When will the residents that participated in The Prevalence Assessment in North Kent County be informed of findings? Only individual results were mailed to date.

A: Data Analysis will take 1-2 years, community exposure compared to other populations. The Preliminary Report anticipated by end of summer.

Q: No exposure in Oscoda? Another health study was conducted in Oscoda, when will the results be posted?

A: Betsy: Communities selected based on exposure through Drinking Water sources

A: Sue: currently looking at exposures, and blood sampling for designing a study for Oscoda. Also listening session will be on-line meeting due to COVID-19.

Q: With regard to ATSER study, have they limited the communities that are participating

A: ATSER Grant funding based on specific communities, similar eligibility criteria, and have already been determined. Additional communities difficult to add for ongoing studies, however, always open to suggestions/concerns from residents and communities for future research.

How to Request PFAS Sampling

Presented by Mike Alexander from EGLE-Water Resource Division

PFAS Surface Water Investigations

- To date, 695 ambient surface water samples from 202 waterbodies have been analyzed for PFAS (refer to map in presentation slides, page 22)
- Eight watersheds samples intensively as part of source tracking investigations: Clinton River, Huron River, Flint River, Grand River, Kalamazoo River, River Raisin, Saginaw River, and Thornapple River,

Water Chemistry Monitoring Program (WCMP)

- Objectives:
 1. To identify chemical character of surface waters of the state and relate characteristics to Michigan's Part 4 rules, Water Quality Standards,
 2. Determine whether the chemical character if surface waters of the state are changing overtime
- To date, 359 ambient surface water samples from 106 locations have been analyzed for PFAS (refer to map in presentation slides, page 24)

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Fish Contaminant Monitoring Program (FCMP)

- Objectives:
 1. Determine whether fish from the waters of the state are safe for human consumption
 2. Assist in the identification of waters that may exceed standards and target additional monitoring activities
 3. Evaluate the overall effectiveness of the EGLE programs in reducing contaminant levels in fish
- To date, 1,830 fillet samples from 73 waterbodies have been analyzed for PFAS (refer to map in presentation slides, page 26)

PFAS Sampling Selection Process

- Michigan's 5-year rotating watershed systems
- WRD's Target Monitoring Requests
- Sources Tracking
 - Elevated results from the Industrial Pretreatment Program (IPP)
 - Nearby MPART PFAS Site
 - PFAS Foam Complaint
- Trend Monitoring
- Show improvements following Mitigation/Remediation activities

Targeted Monitoring Requests Program

- EGLE solicits monitoring requests to support implementation of the WRD monitoring strategy
- Goals:
 - Assess current status and condition of water of the state
 - Measure spatial and temporal trends
 - Evaluate effectiveness of protection and restoration programs
 - Detect new and emerging problems
 - https://www.michigan.gov/egle/0,9429,7-135-3313_3681_3686_3728-32609--,00.html

Monitoring Capabilities (What can we do?)

- Water chemistry
- Sediment chemistry
- Fish contaminant
- Fish and/or macroinvertebrate studies
- Aquatic toxicity tests (ambient waters)
- Lake trophic status
- Nutrient pollution
- Harmful algal bloom conditions
- Aquatic invasive species
- *E. Coli* bacteria
- Channel morphology
 - https://www.michigan.gov/egle/0,9429,7-135-3313_3681_3686_3728--,00.html

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Example of webpage walkthrough requests (page 30-36 of presentation)

- Location of water quality monitoring requests (how, where, what information is needed)
- Prioritized based on the answers of the questions/objectives/anticipated outcome to question/objective.
- Tentative schedule for 2021 requests/deadlines
- Monitoring Request Homepage:
<https://www.michigan.gov/egle/0,9429,7-135-3304-12735--,00.html>
- Monitoring Request Form
https://www.surveymonkey.com/r/WRD_MonReq

Proposed 2020 surface water sampling shown on page 39 pf presentation

Q: Wayne County has more landfills than anywhere else in the state, why is there no sampling on the Rouge River and Detroit River? Largest population and feels ignored by Lansing. Personal Rouge River reconnaissance, landfill/soil erosion draining directly into. Landfills dumping into Lower Rouge. Also, no response on FOIA requests, does not feel things are being transparent.

A: Testing is ongoing, and more is planned. They do not ignore Rouge, draft workplan in place. He will send information to her directly, and share information.

A: Steve – landfills are regulated. Steve will follow up FOIA

Q: As a resident of Wexford County he feels all attention goes to Wayne County, so was surprised by the previous comment. What about Clam River? Receptors including college, YMCA, daycares, schools, are downriver from discharge areas of landfill. PFAS previously confirmed in the river. Where do they fit in the priorities? Testing? Planning? What is the plan for smaller areas with moderate levels of PFAS, but residents are on private wells.

A: Encouraged to submit request for surface water sample

A: Steve will contact him directly with regional contacts at EGLE

Comment: Mike Jury – Rouge River testing of surface water intakes last year

Q: Any updates on Rouge studies

A: Steve-possibly discuss next meeting

Q: When will results be posted to website? Also, why was the decision made to not test the foam in the Huron River?

A: No criteria for foam analysis, also, no testing capabilities. Use foam complaints to target monitoring effort.

Q: Lack of funding, staffing at EGLE is concerning, monitoring every 5-years is not adequate. We need to escalate the testing to find all the sources.

A: Foam is used as a tool to identify sources, not to analyze.

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MPART UPDATES

Industrial Pretreatment Program and Biosolids Summary Report (Technical Report to follow)
http://www.michigan.gov/documents/egle/wtd-pfas-initiatives_691391_7.pdf

1,700 subscribers to MPART GovDelivery subscribers!

Budget Concerns/Update:

- EGLE staff on temporary lay-off (Mondays or Fridays), many challenges to staff.
- Some testing and investigations may be on-hold/suspended

Currently 93 official MPART sites. MPART working on plan for potential Expanded Universe from change in MCLs (possible 70+), investigations, community outreach, etc. Adapting MPART Communication Protocol: Informal outreach to local officials, news releases, webinars, posting sites, areas of interest, write-ups on webpage, and townhall meetings prior to residential well testing.

CAWG Subcommittees Updates/Programs

- Engaging the Public Subcommittee
- Web Review Subcommittee
- Can discuss further at next meeting

Next Steps

- Will try Microsoft Teams for next meeting. Steve will follow-up with access

FUTURE MEETINGS:

July 14, 2020

No meeting scheduled for August