

MPART Citizens Advisory Workgroup

April 14, 2020

Agenda

- Welcome and Webinar Instructions – 3 min
- Introductions and Roll Call – 5 min
- MPART Updates – 20 min
 - COVID 19
 - CAWG Survey Response
- Surface Water Foams – 15 min
- PFECCHS - Perfluoro-4-ethylcyclohexanesulfonate – 15 min
- Next Steps – 10 min
- Community Sharing Round Robbin – 10 min

Citizens Advisory Workgroup Members

LIST OF MEMBERS AS OF JANUARY 7, 2020 (BY COUNTY)

COUNTY	CITY/TOWNSHIP	NAME	COUNTY	CITY/TOWNSHIP	NAME
Allegan	Otsego	Gale Dugan	Livingston	Brighton	Robert Potocki
Allegan	Otsego	Pam McQueer	Livingston	Whitmore Lake	William Creal
Grand Traverse	Traverse City	David Lipscomb	Macomb	Shelby Township	David Winn
Ingham	East Lansing	Lea Dyga	Menominee	Menominee	Daniel Burlingame
Ingham	Williamston	Kate Gislason	Montcalm	Pierson	Daniel Buyze
Iosco	Oscoda	Aaron Weed	Muskegon	Muskegon	Matthew Farrar
Kent	Ada	A. J. Birkbeck	Oakland	Milford	Christina Schroeder
Kent	Belmont	Jennifer Carney	Oakland	Northville	Gary Pettyjohn
Kent	Belmont	Sandy Wynn-Stelt	Oakland	Troy	Tony Spaniola
Kent	Comstock Park	Renaë Mata	Ottawa	Grand Haven	Jeffery Dutton
Kent	Grand Rapids	Patti Baldwin	Saginaw	Carrollton Township	Shellene Thurston
Kent	Rockford	Kenneth Harvey	Washtenaw	Ann Arbor	Daniel Brown
Kent	Rockford	Lynn McIntosh	Wayne	Detroit	Theresa Landrum
Livingston	Brighton	Elizabeth Hauptman	Wayne	Grosse Pointe Farms	Connie Boris
			Wexford	Cadillac	William Barnett

**As it appears on the Citizen's Advisory Workgroup webpage.*

MPART Adapting to COVID-19 Emergency

- Stay Home, Stay Safe Order
 - Activities necessary to sustain and protect life continue with enhanced protocols
 - Residential well testing paused
 - Field work paused
 - In-person meetings paused

COVID-19 Protocols

- Safety first
- Screening for illness and exposure
- PPE
- Hygiene
- Decontamination

Residential Well Testing

- Objective is to identify and reduce exposures
- Data-driven and science-based approach continues
- Options for investigations
 - Delay
 - Outside spigot
 - Test kits
 - Presumptive alternate water

Adapting to COVID-19 Emergency

- Community engagement
 - Outreach to local officials continues
 - Transparency efforts with data on the web continues
 - Town halls postponed
 - Virtual town halls
- Other ideas?

Community Engagement Survey

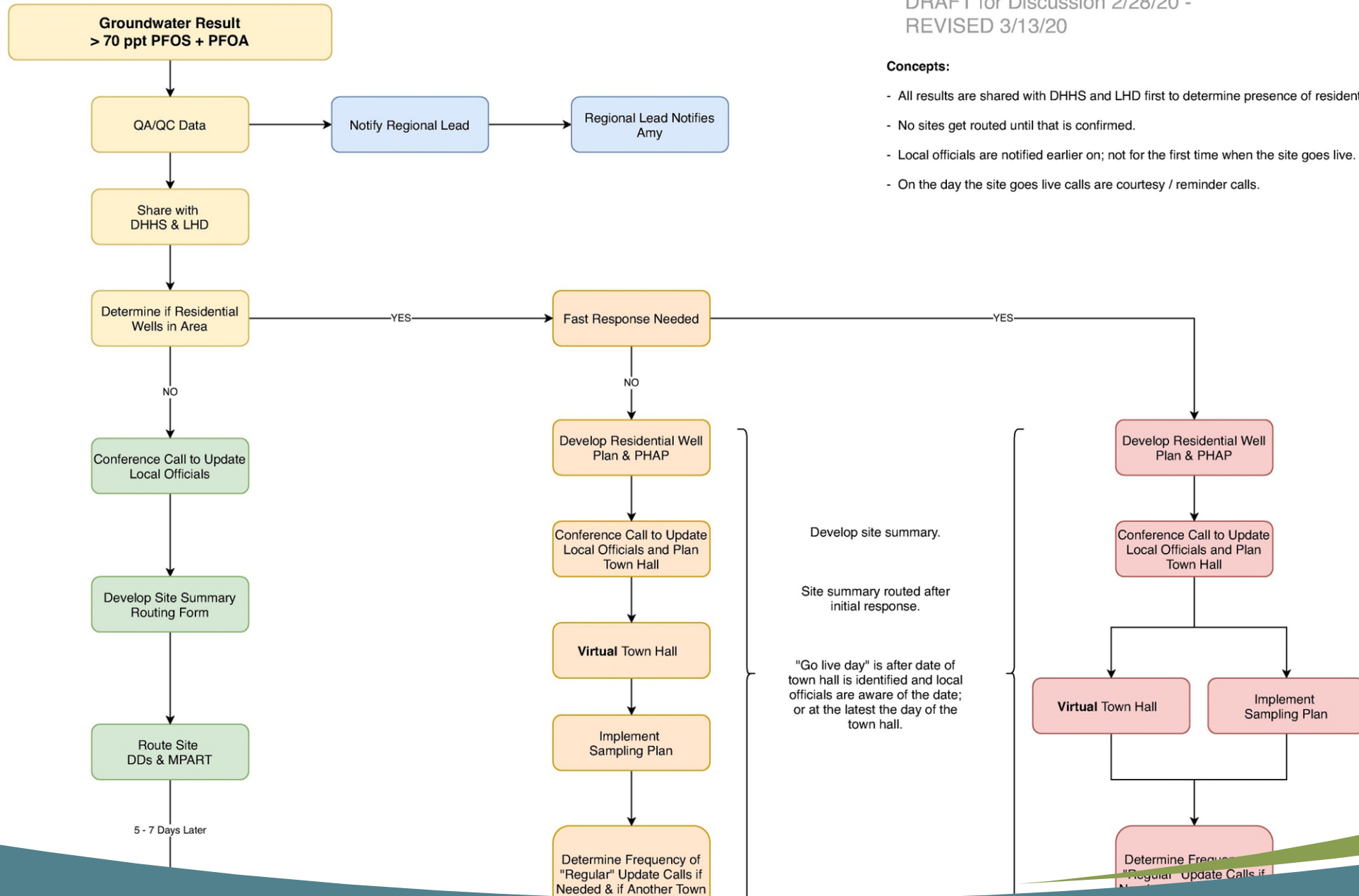
- Identify community expectations as to nature, format, and timing of MPART responses to communities.
- Recommend how to improve awareness of the public health risk and the response.

Survey Highlights

- More emphasis on public health
 - Monitoring, messaging, education
- Pursue more rapid screening of drinking water
- Get information to impacted residents ASAP
- Listen and respond to input from residents
- Hold responsible parties accountable
- ---

Subcommittee for Feedback

- Would it be helpful to form a CAWG subcommittee to review and provide feedback on how MPART has responded in some communities? Prior or going forward?



Concepts:

- All results are shared with DHHS and LHD first to determine presence of residential wells.
- No sites get routed until that is confirmed.
- Local officials are notified earlier on; not for the first time when the site goes live.
- On the day the site goes live calls are courtesy / reminder calls.

Surface Water Foams (SWF)

AECOM Study for EGLE



Why is SWF Important?

- Generated on impacted waterways – a symptom
- Assist with source tracking
- Public health advisories

What is MPART doing about SWF?

- AECOM Study
- Coordinating with other states
- Tracking Complaints
 - Informs subsequent surface water testing

What are the goals of the AECOM study?

- Determine effective and cost-practical means to sample SWF
- Develop and refine written protocols for SWF sampling
- Determine if the chemical composition of SWF is site-specific
- Review and Comparison of SWF Data
- Look at how dissolved PFAS present in surface water can potentially generate or accumulate within SWF (two different processes)

What's been done so far?

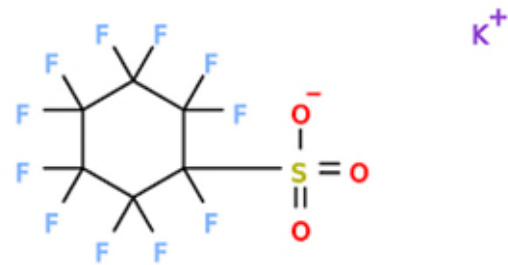
- Foam samples have been collected from the Huron, Rogue, and Thornapple Rivers – November and December 2019
- Foam was analyzed for 41 PFAS compounds, surfactants, and its biological fingerprint
- Foam samples were collected from Van Etten Lake and Lake Margrethe – March and April 2020
- Project timing depends on the lifting of Governor's COVID-19 orders

Coordination

- Tri-state workgroup
 - Michigan, Minnesota, and Wisconsin
 - Topics- projects, results, sources, sampling...
 - Potential for other states to join as part of the Great Lakes PFAS Task Force
- Interstate Technology and Regulatory Council (ITRCweb.org) has plans to add Foam subgroups to its PFAS Workgroups

PFECHS

Perfluoro-4-ethylcyclohexanesulfonate



What is it?

- Perfluoro-4-ethylcyclohexanesulfonate has been primarily used as an additive in aircraft hydraulic fluid formulations that are designed to inhibit erosion (wear) and prevent fires in hydraulic systems.



Why we care?

- The use of these hydraulic fluids in commercial aircraft was identified as a likely source of this compound in surface waters and fish in the Great Lakes of North America; PFECHS contamination is now being reported internationally.



What about the military?

- Skydrol was never adopted into widespread military use as it was incompatible with existing military hydraulic fluids and the materials (seals) used in the hydraulic systems.



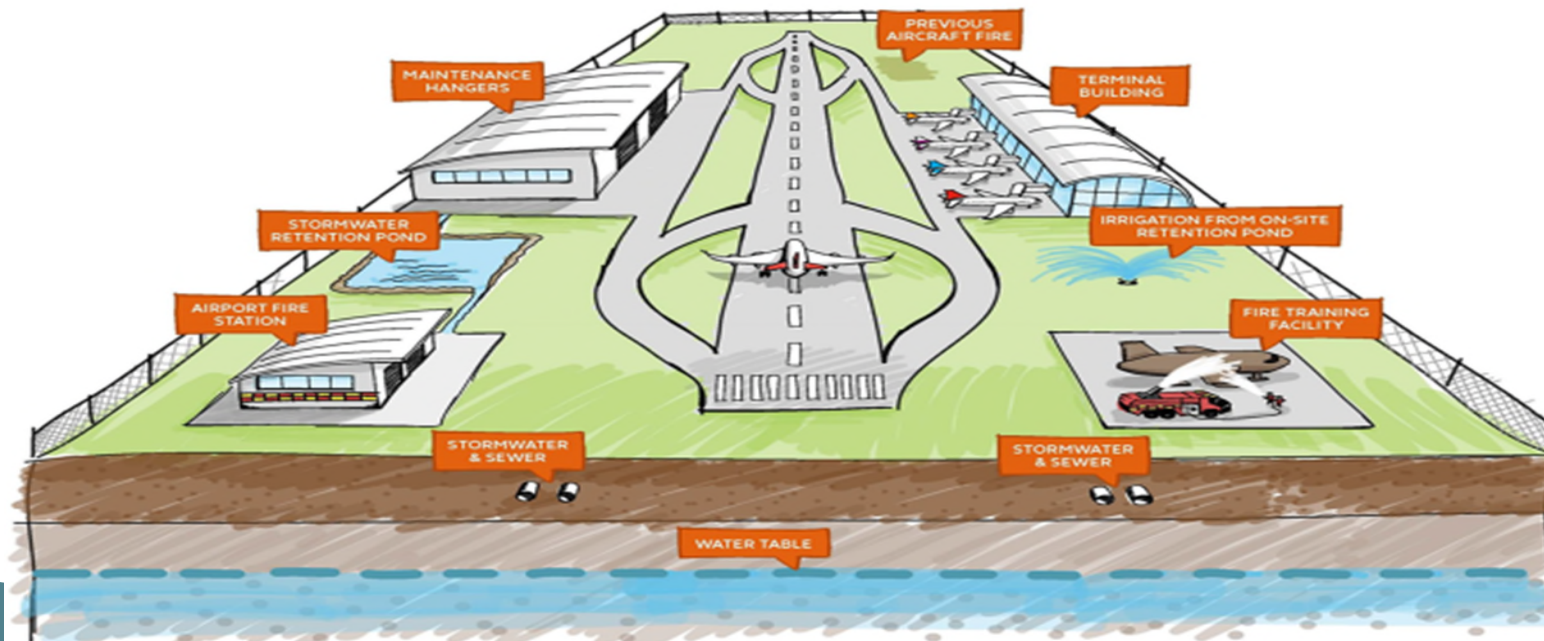
Where has it been found?

- Hamilton International Airport, Ontario
- Beijing International Airport
- St. Lawrence River
- Canadian High Arctic-Devon Ice Cap and Resolute Bay, Nunavut
- North and Baltic Seas, Europe
- All Great Lakes



How did it get there?

- Aerial deposition from aircraft?
- Runoff from airport runways, taxiways?
- Maintenance shops and hangars?



What is MPART doing about PFECHS?

- A referral will be made to the Human Health Workgroup
- Coordinating with partner states
- MDHHS lab is validating method for PFECHS
- Most commercial labs are unable to analyze

Questions?

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Next Steps

- Subcommittee?
- Specific informational materials to review?
- Other areas of focus?
- Future meetings
 - May 12, 2020
 - June 9, 2020

Community Sharing Round-Robin



UPDATES



ANNOUNCEMENTS



QUESTIONS

MICHIGAN PFAS ACTION RESPONSE TEAM (MPART)

www.Michigan.gov/PfasResponse



MICHIGAN DEPARTMENT OF
ENVIRONMENT, GREAT LAKES, AND ENERGY

