

MPART Citizens Advisory Workgroup

December 17, 2019

Agenda

- Welcome and Webinar Instructions – 5 min
- Introductions and roll call – 15 min
- MPART Updates – 5 min
- Clean Water Public Advocate – Ninah Sasy – 5 min
- PFAS Epidemiology Investigations – Betsy Wasilevich - 20 min
- November Summary Approval – 5 min
 - Meeting Summaries vs Minutes
- Web Updates – 5 min
 - Revisions made since last meeting
 - Web comments from members
- Information Sharing – 20 min
 - Key information
 - How it's shared
 - Considerations
 - Recommendations
- Future meeting dates and agendas – 10 min

Citizens Advisory Workgroup Members

County	City/Township	Name	County	City/Township	Name
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	Montcalm	Pierson	Daniel Buyze
Ingham	Williamston	Kate Gislason	Muskegon	Muskegon	Matthew Farrar
Iosco	Oscoda	Aaron Weed	Oakland	Milford	Christina Schroeder
Kent	Ada	A. J. Birkbeck	Oakland	Northville	Gary Pettyjohn
Kent	Belmont	Jennifer Carney	Oakland	Troy	Tony Spaniola
Kent	Belmont	Sandy Wynn-Stelt	Ottawa	Grand Haven	Jeffery Dutton
Kent	Comstock Park	Renae Mata	Saginaw	Carrollton Township	Shellene Thurston
Kent	Grand Rapids	Patti Baldwin	Washtenaw	Ann Arbor	Daniel Brown
Kent	Rockford	Kenneth Harvey	Wayne	Detroit	Theresa Landrum
Kent	Rockford	Lynn McIntosh	Wayne	Grosse Pointe Farms	Connie Boris
Livingston	Brighton	Elizabeth Hauptman	Wexford	Cadillac	William Barnett
Livingston	Brighton	Robert Potocki			

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

Brief MPART Update



Establishing Drinking Water Standards

- Environmental Rules Review Committee
November 14, 2019 at 1:00 p.m.
 - On behalf of the Citizen Advisory Workgroup, Steve Sliver provided a comment in favor of the new standards.
- 3 Public Hearing Scheduled in January 2020 (event details can be found on the [MPART Public Meeting Calendar](#))
 - January 8th, Grand Rapids
 - January 14th, Ann Arbor
 - January 16th, Roscommon
- Public Comment Deadline – January 31, 2020

Other Updates

- Collection of more than 34,000 gallons of Class B AFFF
 - Began December 12, 2019 in Lansing
 - Press Release found [here](#)
 - Scheduled to be completed May 2020
- MPART Year-End Accomplishments Report
 - Thursday
 - GovDelivery Notification



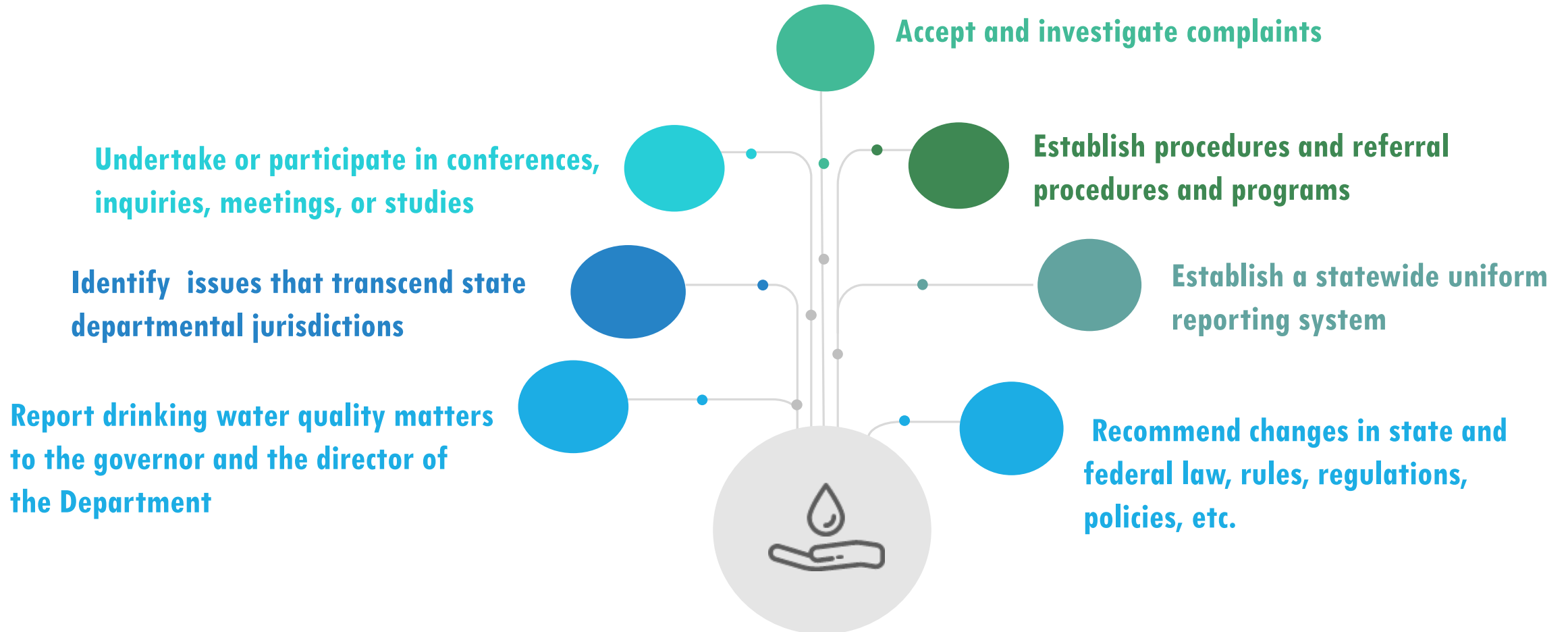


MICHIGAN DEPARTMENT OF
ENVIRONMENT, GREAT LAKES, AND ENERGY

CLEAN WATER PUBLIC ADVOCATE

Ninah Sasy, MSA, BS

CLEAN WATER PUBLIC ADVOCATE



OFFICE OF THE CLEAN WATER PUBLIC ADVOCATE

Year 1: Strategic Priorities

Support Community Efforts

Improve Communication



Collaborate to Connect Resources

Ensure Transparency & Accountability

THANK YOU

Ninah Sasy, Clean Water Public Advocate
Michigan Department of
Environment, Great Lakes, and Energy (EGLE)

SasyN@michigan.gov | 517-881-5219



Subscribe to our YouTube Channel



Follow us on Twitter @MichiganEGLE

MDHHS Update of PFAS Epidemiology Investigations

MPART Citizens Advisory Workgroup Meeting

December 17, 2019

Betsy Wasilevich PhD, MPH
Sr. Epidemiologist
Division of Environmental Health
Michigan Department of Health and Human Services

Public Health Studies

Exposure assessment

- Kent County

Biomonitoring

- Statewide
- Firefighters

Health Study

- Kent County
- Parchment
- Cooper Township

Other Investigations

- Oscoda Township, Iosco County

EXPOSURE ASSESSMENTS

- Exposure Assessments assess community exposure to PFAS from affected drinking water
- Recruit individuals from exposed community
- Water and blood tests conducted to establish association between the suspected source (drinking water) to person's blood level
- Survey to assess other potential exposures person has had to PFAS in their environment
- ATSDR PFAS Exposure Assessment Technical Tools (PEATT)
- May take 1-2 years to conduct (ATSDR PEATT, 2017)

NORTH KENT COUNTY EXPOSURE ASSESSMENT



Objective: Describe population exposed, assess magnitude of exposure, and determine if exposure is higher than a national comparison group



Study population: residents in 2 exposure groups: (1) high stratum (≥ 70 ppt) and (2) low stratum (< 70 ppt)



Launched November 27, 2018



14 clinic dates, December 8, 2018 – June 20, 2019



Participation: 95 high stratum households, 88 low stratum households

Next Steps

- Currently in analysis phase
- Preliminary findings to be shared in a community report – early 2020
- Expect a full report by the end of 2020

Public Health Studies

Exposure assessment

- Kent County

Biomonitoring

- Statewide
- Firefighters

Health Study

- Kent County
- Parchment
- Cooper Township

Other Investigations

- Oscoda Township, Iosco County

Biomonitoring Surveillance

- Biomonitoring is the measurement of environmental chemicals in the body
- Surveillance is the ongoing systematic collection, analysis, interpretation, and dissemination of data reflecting the health status of a population for public health purposes
- Data collected from biomonitoring surveillance helps identify at-risk population groups and assess the effectiveness of interventions to prevent harm
- Recently awarded a 5-year State Biomonitoring Grant by CDC
- 2 biomonitoring surveillance programs underway

Michigan wins \$4 million CDC grant to improve monitoring of residents' toxic chemical exposure

FOR IMMEDIATE RELEASE: Sept. 3, 2019

CONTACT: Lynn Sutfin, 517-241-2112

LANSING, Mich. – The Michigan Department of Health and Human Services (MDHHS) is among six state health departments nationwide awarded a grant from the U.S. Centers for Disease Control and Prevention (CDC) supporting the expansion of statewide toxic chemical biomonitoring.

Biomonitoring is the measurement of environmental chemicals in body tissues or fluids, such as blood or urine, to determine the amount of chemical that actually enters the body. Data collected from biomonitoring helps identify at-risk population groups and assess the effectiveness of interventions to prevent harm.

“This is a great win for all of Michigan and will allow our department to even better assess and address exposure to environmental chemicals in our communities,” said Robert Gordon, MDHHS director. “This knowledge will help us to develop and evaluate ways to both prevent and reduce chemical exposures.”

MDHHS will use the CDC grant funding – about \$4 million over five years – to support two new programs. The first, the Michigan Chemical Exposure Monitoring program (MiChEM), will test for chemicals in a group of adults selected to represent Michigan adults statewide. These chemicals include per- and polyfluoroalkyl substances (PFAS), polychlorinated biphenyls (PCBs), certain pesticides and heavy metals such as arsenic, mercury and lead.

“Because Michigan has a legacy of industrial activity and a high number of hunters, anglers and private well users, Michigan adults may be exposed to environmental chemicals in different ways than the rest of the U.S. population,” said Matt Geiger, chemistry and toxicology division director at the MDHHS State Public Health Lab and one of the principal investigators on the grant. “MiChEM will help MDHHS establish levels of these chemicals in Michigan adults and help evaluate changes in these levels over time.”

MiChEM: Michigan Chemical Exposure Monitoring Program

Objective

- Establish reference exposure levels for chemicals of concern based on a state-wide, representative sample of adult, non-institutionalized Michigan residents

Who will be invited to participate?

- Random sample of adult, non-institutionalized Michigan residents
- Over-sample of low-income individuals
- About 1,500 participants over 5 years

MiChEM: Michigan Chemical Exposure Monitoring Program

What are we collecting?

- Blood and urine samples for testing
- Information by survey

What are we testing for?

- Polyfluoroalkyl substances (PFAS) (24-36)
- Polychlorinated biphenyls (PCBs)
- Organochlorine pesticides (OCPs)
- Heavy metals (As, Al, Mn, Cr, Se, Tl, Pb, Cd, Hg, and As and Hg species)

PFAS in Firefighters of Michigan Surveillance (PFOMS) Program

Objective:

- Determine firefighters' exposure to PFAS and establish occupational exposure reference levels for this highly-exposed target group

Who will be invited to participate?

- Random sample of fire stations
- Current Michigan municipal firefighters from a selected station, paid or volunteer
- About 250 participants over 5 years

PFAS in Firefighters of Michigan Surveillance (PFOMS) Program

What are we collecting?

- Blood for testing
- Information by survey

What we are testing for?

- Polyfluoroalkyl substances (PFAS)

Current Status – Biomonitoring Surveillance Projects

- Planning year – establishing protocol and developing IRB submission
- Pilot data collection methods end of 2020
- Data collection to begin in 2021

Public Health Studies

Exposure assessment

- Kent County

Biomonitoring

- Statewide
- Firefighters

Health Study

- Kent County
- Parchment
- Cooper Township

Other Investigations

- Oscoda Township, Iosco County

Michigan PFAS Exposure and Health Study (MiPEHS): Parchment, Cooper Township, and North Kent County

- Multi-year, epidemiology study of people with and without known drinking water exposure to PFAS will be *followed over time*
- Three MI communities: North Kent County, Parchment, Cooper Township
- Supported in part by a 5-year grant awarded by ATSDR to participate in a national, multi-site health study

CDC awards \$1 million to Michigan for PFAS health study

FOR IMMEDIATE RELEASE: Oct. 8, 2019

CONTACT: Lynn Sutfin, 517-241-2112

LANSING, Mich. – The Michigan Department of Health and Human Services (MDHHS) is pleased to announce it has been selected as one of only seven recipients of a competitive grant from the Centers for Disease Control and Prevention (CDC)/Agency for Toxic Substances and Disease Registry (ATSDR). The \$1 million grant will fund a multi-site study to investigate the relationship between drinking water contaminated with per- and polyfluoroalkyl substances (PFAS) and health effects.

“Already a national leader in PFAS research, this grant will allow Michigan to contribute directly to a nationwide study of the health effects of PFAS exposure,” said Dr. Joneigh Khaldun, chief medical executive and chief deputy for health for MDHHS. “This study will also allow us to expand a multi-year effort we have underway in Parchment and northern Kent County.”

Michigan will conduct this project in the City of Parchment, Cooper Township and the North Kent County area. These communities were selected for the study because uniquely high PFAS levels have been found in their drinking water and their populations are large enough to meet the requirements of the ATSDR grant. Michigan aims to recruit 1,000 adults and 300 children across the selected communities to participate in the project. Planning and coordinating with ATSDR and the other selected sites will take time, therefore, a start date for recruitment and data collection has not been established.

MDHHS was awarded \$1 million for year one of the study. The amounts to be awarded for future years have not been determined. This funding will allow residents at the funded sites across the country to provide important information about PFAS and health to the first nationwide multi-site PFAS study.

ATSDR's announcement of the funding is [available online](#). For more information on PFAS in Michigan, visit Michigan.gov/pfasresponse.

Michigan PFAS Exposure and Health Study (MiPEHS): Parchment, Cooper Township, and North Kent County

Objective:

- To investigate the relationship between PFAS level in serum and health effects

Who will be invited to participate?

- Residents of City of Parchment, Cooper Township, and North Kent County that meet specific eligibility criteria
- About 2,500 participants

Michigan PFAS Exposure and Health Study (MiPEHS): Parchment, Cooper Township, and North Kent County

What are we collecting?

- Blood for testing
- Information by survey

What we are testing for?

- Polyfluoroalkyl substances (PFAS)
- Biomarkers of health outcomes

Michigan PFAS Exposure and Health Study (MiPEHS): City of Parchment, Cooper Township, and North Kent County

How long will participants be followed?

- Blood sample collection and survey at three timepoints
- Phase 1, 2, and 3 spaced approximately 2 years apart

Current Status – MiPEHS

- IRB protocol under revision
- Plan to start recruitment early in 2020

Public Health Studies

Exposure assessment

- Kent County

Biomonitoring

- Statewide
- Firefighters

Health Study

- Kent County
- Parchment
- Cooper Township

Other Investigations

- Oscoda Township, Iosco County

MICHIGAN PFAS ACTION RESPONSE TEAM (MPART)

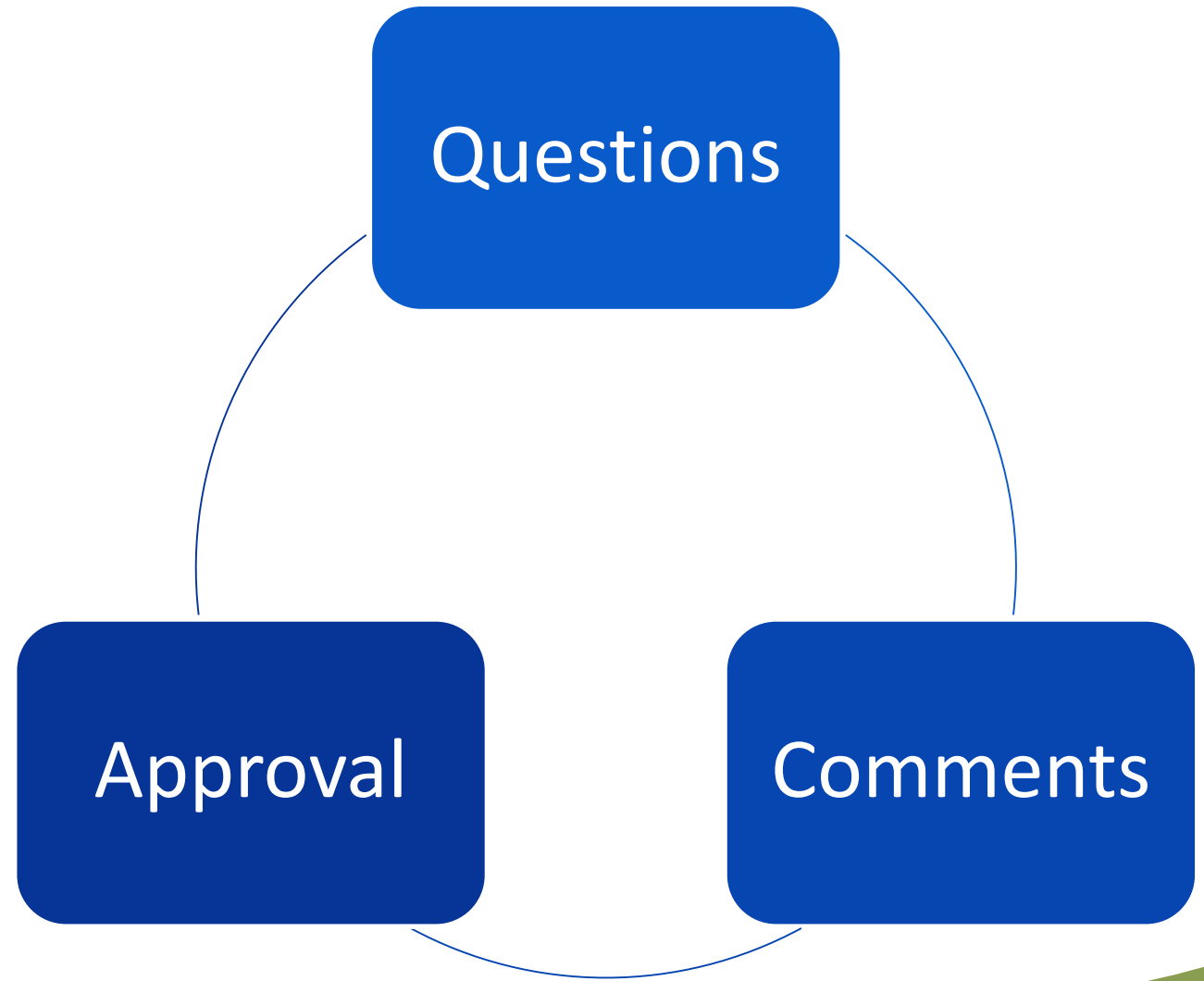
www.Michigan.gov/PfasResponse

The logo for the Michigan Department of Environment, Great Lakes, and Energy (EGLE). It features the letters 'EGLE' in a bold, sans-serif font. The 'E' and 'L' are green, while the 'G' and 'E' are blue. A white wave-like shape is integrated into the 'G'.

MICHIGAN DEPARTMENT OF
ENVIRONMENT, GREAT LAKES, AND ENERGY



November Meeting Summary



Meeting Summaries vs. Minutes

- Objective
 - Capture main themes
 - Identify next steps
 - Capture workgroup decisions
- Meetings are recorded
 - Posted on the workgroup webpage
 - Workgroup can decide duration
- Issues
 - Resources
 - Who should take the minutes?
 - Review of Minutes
 - Whether attribution inhibits discussion?

Website Recommendation's Completed

- Citizen Advisory Workgroup [page](#)
 - Meetings
 - Dates
 - Recordings - video/audio
 - Finalized Summaries
 - List of Members – Names Only
- 2 quick access buttons were added to the homepage under “Popular Pages” for PFAS Sites and Watershed Investigation.
- Site Investigations and Area of Interests are now listed alphabetically by county.

Priority Web Comments from Members

- Add list of research underway and remaining questions
- MPART site investigations
 - List creation of advisory workgroup, scope and member contact information
 - Anticipated timelines for “next steps”
 - Area deer / fish testing and results if applicable
 - Frequency of updates – preserve staff efforts
- Website awareness
- Transparency

Information Sharing Recommendations

- Draft Document for Consideration
 - Issue
 - Background
 - Evaluation
 - Attachments

Key Information

- Is there anything missing from Attachment 2?
- Are the information needs different for the workgroup vs. general public?

How Information is Shared

- Posting to the MPART website (e.g., site investigation results)
- MiWaters web application
- Informal responses to requests for specific documents
- FOIA requests
- Presentations at group meetings
- Targeted email (e.g., GovDelivery)

Considerations

- Information that is exempt from disclosure under the FOIA
- Animal Industry Act limitations
- Staff resources and website capacity
- Confidentiality or other data sharing agreements
- Records retention schedules

Developing Recommendations

- Ideas for Improvement
 - Consistency
 - _____
- Workgroup Consensus
- Prioritize Ideas

- Information Sharing Ideas

- Due January 7, 2020

- Email to:

- Steve Sliver SliverS@Michigan.gov and

- Kelly Ploehn PloehnK@Michigan.gov



HOME
WORK

Future Agenda Items Short List

- January 14, 2020
 - Information Sharing Continued
 - Industrial Pretreatment Program
- February 11, 2020
 - Guests from impacted communities in other states
 - William “Bucky” Bailey III, West Virginia
 - Emily Donovan, North Carolina



UPDATES



ANNOUNCEMENTS



QUESTIONS