

PFAS Weekly Update to LHD Advisory Committee August 31, 2018

General Topics

- MDNR completed collection of deer from the 4 targeted sites of contamination for FY18.
 - Deer have been collected from Alpena, Oscoda, Grayling, and Rockford areas.
 - MDHHS Lab will be analyzing these samples for the same 11 PFAS analytes done for fish.
 - MDHHS plans to have the data processed and guidelines issued, if data necessitates, by hunting season this fall.
 - MDHHS will notify local health departments and other local governmental organizations (parks, etc.) prior to issuing a press release with any wildlife consumption updates.
 - Any Guidelines issued due to PFAS will be posted at www.michigan.gov/PFASResponse under Wildlife.
- Fish collections will continue at sites where PFAS contamination is a concern.
 - Fish continue to be collected and analyzed from sites of concern, including Huron River and St Joseph River.
 - **The Huron River advisory will be extended based on this data.**
 - The MDHHS lab tests the filets for 11 PFAS analytes, although PFOS is generally the only analyte found in fish.
 - The MDHHS lab also tests the filets for mercury, as mercury is often the chemical setting the guidelines, even when PFOS may be present.
 - Although the 2018 Eat Safe Fish Guides are already published for the year, any updates to the Guidelines due to PFAS will be posted at www.michigan.gov/PFASResponse under Wildlife.
 - MDHHS will notify local health departments, and when possible - other known local governmental organizations (parks, etc.), prior to issuing a press release with the Eat Safe Fish Guideline updates.
- Cancer incidence reviews are being conducted for several sites around the state.
- Expansion of biomonitoring efforts are being considered.

Site Highlights

1. **Bronson / St. Joseph River** - MDEQ Site Investigation Tracker indicates that North Bronson Industrial Area (an NPL site) may be the source: "Waste disposal operations at several nearby industrial sites resulted in soil and groundwater contamination, including contamination of two lagoon areas and a county drain that runs adjacent to the lagoons."
2. **Central Sanitary Landfill** - Republic's workplan for additional monitoring wells was approved by DEQ on August 23.
3. **Huron Watershed** - Surface water samples results showed that Norton Creek and the Huron River downstream of Norton Creek have elevated PFOS levels (max PFOS=5,500 ppt). The Wixom WWTP is a potential source of these elevated levels but is not confirmed. Norton Creek will continue to be sampled to narrow down the source of contamination. As private well areas are identified, they will get their own reporting table. Updated ESF guidelines for specific waterbodies with elevated PFOS in surface water. Temporary Do Not Eat signs (yard type signs to stick in the grass) in English

were created and delivered to partner agencies on August 31 by MDHHS staff. Agencies provided number of signs and delivery locations. Permanent signs (for mounting on a post) to follow that will include signs in Spanish and Arabic (as requested by LHDs and Metroparks). Translation services were ordered to translate the permanent signs into Arabic and Spanish. A press release was issued for the remaining Huron River to Lake Erie.

4. **Muskegon Co Airport** –Phone discussion between MDHHS, MDEQ, and PHMC on August 27; MDHHS provided additional information to PHMC.
5. **Otsego** - Results coming in: Non-detects so far for VOCs, SVOCs, and PCBs as Aroclors (mixtures, not congener-specific). One sample had a low-level detection of the pesticide Heptachlor, otherwise pesticides were not detected in samples. Some high metals have been detected but these may be managed (currently or in future) by in-home treatment systems. As of August 25, 52 wells with PFAS results: only four wells with detects (all below LHA), the rest of the wells are ND. Dioxin/furan and guaiacol results came in late August 31 – there were detections of dioxins and furans (which is unusual for groundwater – these chemicals want to sorb to organic material). MDHHS and MDEQ worked with LHDs (Allegan and Kalamazoo [due to two wells in Kalamazoo County]) on August 31 and September 1 to provide bottled water and develop the Incident Action Plan. Additional data needed for the dioxin-like compounds to understand exposure. We also need to get more information as to the source(s) of the contaminants.
6. **Parchment Private Wells** - Filter install started week of August 27, using Plumbers, Pipefitters, and HVAC Local 357. Results mailed as of August 24.
 - Updated (August 29) Results:
 - a. 202 res well samples taken
 - b. 148 res well results in
 - c. 34 exceedances of total PFAS >70
 - d. 13 exceedances of PFOS+PFOA >70
 - Current public health action plan: all parcels within the boundary drawn by DEQ or tested by the DEQ are offered filters. All parcels from that boundary to a 1.5 mile boundary to the East of the river are offered bottled water via Gordon water delivery services, coordinated via KalCo. Press release to this effect went out 8/29.
7. **Richfield Landfill** - Had coordination call with DEQ and LHD on August 23. LHD will support DEQ with sampling effort in mid-late September, after DEQ observes sampling efforts at Coldwater Road Landfill.
8. **East 40th Street, Holland** - DEQ and LHD to meet September 6.
9. **Camp Grayling** – DEQ-RRD Geo Services Unit will be flying a drone with 4 blades and a Forward Looking InfraRed (FLIR) camera across the shoreline of Lake Margrethe to identify GW seeps (GW entering the lake) and then collect pore water samples (beneath the sediment of the lakes). Timeline for event – September 8-21.
 - As of now, no plans for resampling residential wells.
 - Responded to inquiry from Kevin Hughes re: water coolers for LaFontaine car dealership. May be necessary to continue coolers into 2nd year due to volume of water needed. Suggested filtration may be used in employee kitchen, but final determination is provided by Kory. Also suggested consideration for continued water coolers for River House.
 - Water during the drilling process had PFAS in them and AECOM had to test the equipment and tools/supplies to check for contamination from these to the water. Plans to redevelop MWs. The truck tank had ~68 ppt of PFOA+PFOS but others (Metal pipes, water tape, steam cleaner, tubing & Masterflex, etc.) had ND to low level detections.
10. **Ford Airport** –

- Public meeting set for September 5 from 6-8 PM at Cascade Township Library. Meeting has been organized by Representative Allor and Thornapple River Association. Meeting topics will be GR Ford Airport work and Thornapple River PFAS concerns.
 - Have received nine residential well sample results – all are non-detect. Still waiting on nine additional samples.
 - Airport has completed Phase II on-site investigation and are awaiting results from lab.
11. **Ithaca Sanitary Landfill –**
Decision tree in progress. Currently there is a plan to sample around 20 residential wells in the nearby area as a precaution. There is a thick clay layer in the area. Alternate water is not being offered in advance of test results. LHD and DEQ agrees with that action.
 12. **M60 Tanker Spill –**
Latest res well data in (3rd quarterly sampling event), ND for PFAS.
 13. **RACER Willow Run –**
August 29 meeting with the DEQ and the LHD. There are two drinking water wells in the site. DEQ said that these 2 wells are going to be sampled, but they are not a priority due to their location. They are located on the north east, and ground water goes to south west. DEQ sent the PFAS results collected from groundwater (from the Site French drain and samples from six selected nearby monitoring wells). LHD sent results of VOCs obtained from one residential drinking water well (showed trace of m & p-Xylene).

Upcoming Meetings

September 5, 2018 – Thornapple River Association (regarding Ford Airport)

September 6, 2018 – East 40th Street, Holland

September 13, 2018 – (tentative) Huron Watershed presentation to Metroparks Board

September 13, 2018 – MALEHA/MALPH Schools and PWS

TBD – (beginning of September) Municipal briefing for Alpena CRTC

TBD – Selfridge ANG

TBD – Discuss Communication Protocols and MDEQ MOU

TBD – (Fall 2018) – Presentation of the review of cancer incidence data in selected areas of Northern Kent County to the community in Kent County, updates on Exposure Assessment

October 10, 2018 – KI Sawyer AFB - RAB