

## PFAS Weekly Update to LHD Advisory Committee August 24, 2018

### General Topics

1. ATSDR is providing insight and guidance with regard to MDHHS's continued development and refinement of our biomonitoring protocols.
2. There are now over 100 PFAS sites that are Official ([34](#)), Pending (becoming Official), or Being Investigated.
3. While we have no reason to believe that there is a concern, out of an abundance of caution, the Michigan Department of Natural Resources (DNR) is partnering with the MDHHS and the Michigan Department of Environmental Quality (MDEQ) to evaluate PFAS levels in deer in locations where they may come in contact with contaminated surface water.
  - a. MDNR continue to collect deer from the four targeted sites of contamination for FY18.
    - i. Deer have been collected from Alpena, Oscoda, Grayling and Rockford.
    - ii. MDHHS Lab will be analyzing these samples for the same 11 PFAS analytes done for fish.
    - iii. MDHHS plans to have the data processed and guidelines issued, if data necessitates, by hunting season this fall.
    - iv. MDHHS will notify local health departments and other local governmental organizations (parks, etc.) prior to issuing a press release with any wildlife consumption advisories and updates.
    - v. Any Guidelines issued due to PFAS will be posted at [www.michigan.gov/PFASResponse](http://www.michigan.gov/PFASResponse) under Wildlife.
4. Fish collections will continue at sites where PFAS contamination is a concern.
  - b. Fish continue to be collected and analyzed from sites of concern, including Huron River and St. Joseph River.
  - c. The MDHHS lab tests the filets for 11 PFAS analytes, although PFOS is generally the only analyte found in fish.
  - d. The MDHHS lab also tests the filets for mercury, as mercury is often the chemical setting the guidelines, even when PFOS may be present.
  - e. 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](http://www.michigan.gov/PFASResponse) under Wildlife.
  - f. 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.
2. Health Data Request Protocol for cancer endpoints is being formulated.
  - a. Once completed, it will be shared with Local Health.

### Site Highlights

5. **Carl's Retreading** - LHD will create a cost comparison of alternative water options: bottled water, water coolers, filters, and cost for hooking up to the municipal water supply.
6. **Central Sanitary LF** - Continued discussion (8/16) regarding whole house filters is happening with DEQ and Republic – Homes on Amy School Rd (that fall within Republics filter responsibility) continue to receive bottle water in the interim.

7. **Ford Airport** – Residential well sampling results are due this week. Airport has received 3 of 18 residential well samples; all are non-detect. For the other samples, there was a lab error-those 15 residential well samples will be disposed of. Airport contractor is scheduling resampling with residents.
8. **Huron Watershed** (re: Eat Safe Fish “Do Not Eat” advisory) – MDHHS working with LHDs and Metro Parks to design and erect signs regarding DNE along designated stretch of river and impoundments. MDHHS will pay for signs and logo will be on signs; going through approval process.
9. **Kellogg ANG/Helmer Dickman (Battle Creek)** – More residential well results expected this week (8/19) or next.
10. **Otsego** - DEH meeting on 8/22 with DEQ, Allegan County HD, and Mark Johnson for further discussion on private well results and recommendations. PFAS results started coming in the evening of 8/17 – of 16 results, all non-detect for PFAS except two properties at 21/25 and 15/43 (ppt OA+OS/total PFAS).
11. **Parchment Private Wells** – Residential wells: highest remains the 340 total PFAS sample already reported. LHD is calling everyone and telling them results ASAP. Filter delivery and installation is set to begin week of Aug 20<sup>th</sup>. 12 exceedances, to-date. DEQ has added sampling of residential wells to the west of the Kalamazoo river. They are NOT being offered filters at this time (this was a KalCo HD decision).  
Updated (8/23) Results:
  - 182 residential well samples taken
  - 128 residential well results in
  - 34 exceedances of total PFAS >70
  - 13 exceedances of PFOS+PFOA >70
 Letters approved by the JIC. Data assembly occurring to generate letters on addresses with sampling results/data received by DHHS (08/23/18). Letters are being prepared and mailed.
12. **Muskegon Co Airport** – New sampling start date is 8/27. 16 out of 26 willing to get their well sampled. County waiting to hear from the rest. County will meanwhile collect soil samples by the 4 fire training areas. Local Health Services has facilitated scheduling a call between LHD, MDHHS, and MDEQ to discuss public health action plan.
13. **Muskegon Co Landfill & Wastewater Treatment Plant (NEW)** - As part of DEQ’s Industrial Pretreatment Program (IPP), landfills and wastewater treatment plants (WWTP) across Michigan are actively being tested for PFAS. Increasing levels of PFAS were observed in the leachate outfall of Muskegon Co LF/WWTP. DEQ notified DHHS of the leachate results and discussed the site background.
14. **Bronson Wastewater Treatment Plant/Surface Water (NEW)**: MDHHS contacted by MDEQ regarding PFOS in wastewater treatment plant (WWTP) effluent at Bronson, MI. The effluent goes into Swan Creek, which flows to Long, Palmer, and Sturgeon Lakes around Colon and then to the headwaters of the St. Joseph River. MDEQ thinks they may be able to collect fish and possibly also surface water from Long, Palmer, and Sturgeon Lakes this week. The fish can be fileted ASAP and dropped off to the MDHHS lab for analysis. 40 Fish have been collected along with surface water samples.
15. **636 E. 40<sup>th</sup> Street, Holland MI (NEW)**: MDHHS was contacted by Allegan County Health Department about an MDEQ request to records in the area of this address because the Industrial Pretreatment Sample for a sump at this site was PFOA+PFOS 6,121.27 total PFAS 8,128.58. City of Holland’s WWTP is currently meeting the MDEQ surface water discharge criteria. Based on GeoWebFace the water flow appears to be from the south to the north and wells located to the north of the site are irrigation wells and geothermal wells. MDEQ is reaching out the responsible party to investigate this result. MDEQ has been providing compliance oversight under Part 213 – Leaking Underground Storage Tanks since

the early '90s. Allegan County Health Department has reviewed water bills and well records within a mile north of the site and there is only one potential drinking water well located at 391 E. 40<sup>th</sup> Street which is side gradient to the potential site. MDEQ RRD is contacting the liable party and working through the Part 201 process

16. **Alpena CRTS** - Janice Adams (DHD4) reported that after one year, for water renewal, coolers will be replaced by filters. 20 deer sampled during the week of 8/20. DEQ planning to have a municipal briefing (not a townhall) with the County, Township and the City (tentative – Week of 9/1). Based on GW flow direction toward northwest and southwest, Alpena Sportsman Club is not being impacted by groundwater from the base.

17. **North Kent County** –

- USEPA updated group on Tannery and House Street investigation. House Street – arsenic and chromium have been detected in soils at maximum concentrations of 122 ppm and 72,145 ppm, respectively. Still waiting on additional sampling results.
- Tannery Investigation – Installed 109 soil borings and collected 220 soil samples. Finding arsenic, chromium and lead in soils. Eight soil samples with chromium over 2,500 ppm. Seven soil samples with arsenic over 68 ppm and 13 soil samples with lead over 400 ppm. Also finding arsenic and chromium in sediment samples from Rogue River.
- Wolverine has submitted proposed plan to resample approximately 50 non-detect wells in the House Street/Southeast expansion area. The MDEQ and Wolverine will be having work session meeting next Wednesday (8/29/18) to go over plan.
- MDEQ will begin investigation work in SE Rockford area next month. The investigation work will include installation of monitoring wells in Rezen and Childsdale neighborhoods.
- Project Coordination meetings will be taking place less frequently (2<sup>nd</sup> Wednesday of every month).

18. **Richfield Landfill** - Had coordination call with DEQ and LHD on 8/23/18. LHD will support DEQ with sampling effort in mid-late Sept, after DEQ observes sampling efforts at Coldwater Road Landfill.

### Upcoming Meetings

- August 21, 2018 – PFAS 101 to Emergency Preparedness Coordinators
- August 23, 2018 – PFAS 101 TO Community Health Emergency Coordination Center
- August 28, 2018 – 11am Local Health PFAS Advisory Committee
- September 5, 2018 – *Tentative* – Thornapple River Association (re: Ford Airport)
- September 13, 2018 – *Tentative* – Huron Watershed presentation to Metroparks Board
- TBD – Selfridge ANG
- TBD – Discuss Communication Protocols and MDEQ MOU
- October 10, 2018 – KI Sawyer AFB RAB