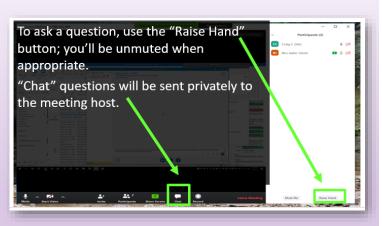


What to Expect during this Listening Session

Zoom Meeting Logistics

- All attendees are automatically muted when they join the call
- Joining by web:
 - <u>During the presentation</u> use 'chat' feature to type questions
 - After presentation use the 'chat' feature or 'raise hand' feature to request to be unmuted to ask a call
- · Joining by phone:
 - *6 mute/unmute
 - *9 raise hand



WISCONSIN DEPARTMENT OF NATURAL RESOURCES | DNR.WI.GOV

Team Members

DNR - Remediation and Redevelopment

- Bridget Kelly, Emerging Contaminants
- Christine Haag, Director
- Alyssa Sellwood, Project Manager
- Jodie Peotter, Brownfields, Outreach and Policy Section Chief
- Trevor Nobile, Field Operations Director
- Jenna Soyer, Program and Policy Operations Director

DNR - Drinking Water And Groundwater

- Kyle Burton, Field Operations Director
 DNR Water Quality
- Heidi Schmitt-Marquez, NER Supervisor
- Alexis Peter, Wastewater Specialist
- Laura Gerold, Wastewater Engineer
- Adrian Stocks, Director

Department of Health Services

- Brita Kilburg-Basnyat, Toxicologist
- · Amanda Koch, Health Educator

WISCONSIN DEPARTMENT OF NATURAL RESOURCES | DNR.WI.GOV

3

Staying Connected

- 15th in series of sessions
 - Previous meeting recordings available
- Website and FAQs
 - DNR homepage → search 'PFAS Marinette'
 - Sign-up for email updates →

SUBSCRIBE

to Marinette and Peshtigo area PFAS contamination updates.

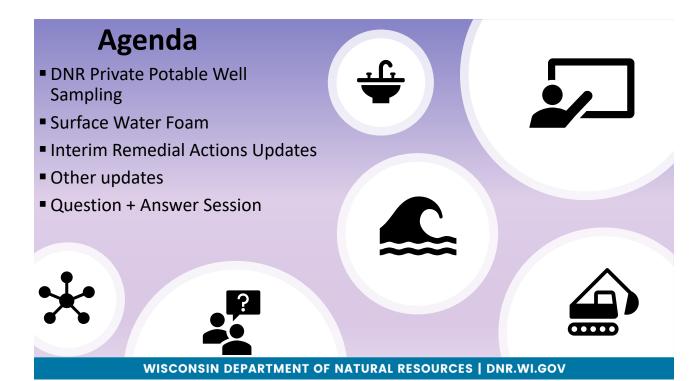
- Other options for contacting DNR
 - Call (888-626-3244) or
 - Email DNRJCIPFAS@wisconsin.gov





WISCONSIN DEPARTMENT OF NATURAL RESOURCES | DNR.WI.GOV

Л



Marinette, Peshtigo and Surrounding Areas PFAS Investigations Potable Well Sampling SITE INVESTIGATION AREA **BIOSOLIDS INVESTIGATION AREAS** City of Marinette County City of Oconto County Notable well data from various dates. Information current as of 6/2/2020 for JCI Samples, 9/11/2020 for Biosolids Samples, and 12/29/2020 for Expanded Site Investigation Area Samples. Leaf Rd City Boundary JCI/Tyco Property Boundary JCI/Tyco sampled potable wells2 Expanded Site Investigation Area¹ JCI/Tyco sampled potable wells (biosolids)2 DNR/Private sampled potable wells3 Investigation area streams/ditches



DNR Potable Well Sampling Program

Background

- Sampling started fall 2020 expanded site investigation area (ESIA)
- Inform residents about potential PFAS in drinking water wells

Sample results colored in accordance with Dept. of Health Services Cycle 10 and Cycle 11 recommended groundwater standards, including the sum of FOSA, NEt-FOSE, NEt-FOSA, NEtFOSAA, PFOS, PFOA. Expanded Site Investig JCI/Tyco Sampled Area

JCI/Tyco Stanton JCI/Tyco FTC Garmin, Intermap, increment P Corp. GEBCO, USGS, FAO, NPS, NRCAN, Ge

WISCONSIN DEPARTMENT OF NATURAL RESOURCES | DNR.WI.GOV

■ JCI/Tyco Sample

DNR Well Sampling – Final Summary

Mailer & Sampling Activity Summary				
Total Sent	Opt Out	Opt In	No Response	
578	20	415 (72%)	143	



WISCONSIN DEPARTMENT OF NATURAL RESOURCES | DNR.WI.GOV

9

DNR Potable Well Sampling – Final Results

Sample Results	Number of Wells	
Non-Detect	85	
< Recommended Environmental Standard (RES)	298	
≥ RES or Hazard Index ≥ 1.0	32	
Range of Values ≥ RES	21.9 - 273 ppt	



WISCONSIN DEPARTMENT OF NATURAL RESOURCES | DNR.WI.GOV

Alternative Water Supply

 DNR is supplying water for 1-yr for wells meeting or exceeding DHS recommended standards (or HI)



WISCONSIN DEPARTMENT OF NATURAL RESOURCES | DNR.WI.GOV

11





Ditch B: 4 Gallons May 13, 2021



Ditch B: 3 Gallons May 21, 2021



Ditch B: 2 Gallons July 7, 2021



Ditch B: 10 Gallons July 8, 2021

Surface Water Foam Monitor & Capture

Foam Monitoring Plan (4/15/21)

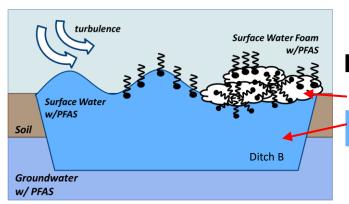
https://dnr.wi.gov/botw/DownloadBlobFile.do?docSeqNo=194136

- Ditches A E
- · Booms Deployed (Spring thru Fall)
- Daily Inspections
- · Collect and Drum Foam
- Characterize (PFAS) and Dispose

WISCONSIN DEPARTMENT OF NATURAL RESOURCES | DNR.WI.GOV

13

Surface Water Foam PFAS Sampling Results





LOCATION	PFOA (ppt)	PFOS (ppt)
Ditch B/C Foam	23,000	64,000
Ditch B Surface Water (Avg)	2,000	130

Additional information and report https://content.govdelivery.com/accounts/WIDNR/bulletins/2e591c8

WISCONSIN DEPARTMENT OF NATURAL RESOURCES | DNR.WI.GOV

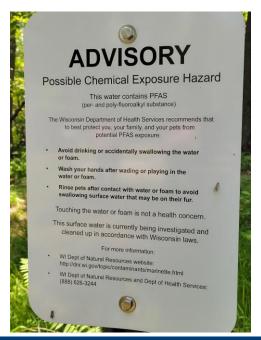


PFAS in Foam: Safety Tips

Amanda Koch, MPH | Health Educator Brita Kilburg-Basnyat, Ph.D. | Toxicologist Bureau of Environmental and Occupational Health Wisconsin Division of Public Health JCI-Tyco Listening Session July 21, 2021



Wisconsin Department of Health Services



Wisconsin Department of Health Services

17

17

Wisconsin Department of Natural Resources

PFAS Detected In Surface Water Foam On Waterways In City Of Marinette And Town Of Peshtigo

Wisconsin Department of Natural Resources sent this bulletin at 06/25/2021 02:54 PM CDT

https://content.govdelivery.com/accounts/WIDNR/bulletins/2e591c8

Wisconsin Department of Health Services



- ✓ Avoid contact with foam on waterways.
- ✓ Avoid accidentally swallowing surface water or foam.
- Touching PFAS in foam can become a health concern if the foam or residue left behind on the skin are accidentally swallowed.

Wisconsin Department of Health Services

19



- ✓ If you touch foam, wash your skin as soon as possible and before eating or preparing food.
- ⇒ Foam on surface water can contain other health concerns including bacteria and other harmful biological agents.



✓ Pets that come into contact with foam should be washed.



Wisconsin Department of Health Services

2

21

Thank you!

Brita Kilburg-Basnyat, Ph.D. Toxicologist

Amanda Koch, MPH Health Educator

PFAS & Health Line:

1-608-266-1120 ex. 5 DHSEnvHealth@dhs.wisconsin.gov



Wisconsin Department of Health Services



Soil Excavation and Disposal Interim Action

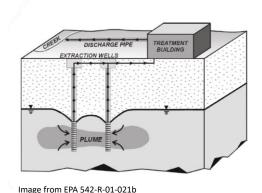
- Remove highly contaminated soils
- Reduce PFAS migration from soil to groundwater
- Soil with PFAS contamination will remain at FTC

Started June 2021 - Estimate Complete Fall 2021



WISCONSIN DEPARTMENT OF NATURAL RESOURCES | DNR.WI.GOV

Groundwater Extraction & Treatment System (GETS) Interim Action





WISCONSIN DEPARTMENT OF NATURAL RESOURCES | DNR.WI.GOV

25

Groundwater Extraction & Treatment System (GETS) Interim Action

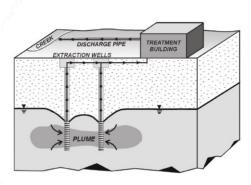


Image from EPA 542-R-01-021b



WISCONSIN DEPARTMENT OF NATURAL RESOURCES | DNR.WI.GOV

JCI/Tyco Public Outreach on Interim Actions

- > June 29, 2021: Public Meeting
- Available: Factsheets
 - GETS
 - Soil Remediation
- On-going: Community Crew
- ➤ Upcoming: "Office Hours"

www.tycomarinette.com

View "Latest Updates" or Use Links Provided on Next Slides

WISCONSIN DEPARTMENT OF NATURAL RESOURCES | DNR.WI.GOV

27

Links to JCI/Tyco's

Public Notifications

https://tycomarinette.com/wp-content/uploads/2021/06/Public-Meeting-Presentation-FINAL-6-29-2174.pdf

JCI/Tyco's Public Presentation: 6/29/21

Community Update - PFAS Remediation

- Groundwater Extraction and Treatment
System (GETS)

- Soil Excavation & Removal

Public Meeting
June 29, 2021



WISCONSIN DEPARTMENT OF NATURAL RESOURCES | DNR.WI.GOV

https://tycomarinette.com/wp-content/uploads/2021/06/Soil-Remediation-Brochure-2-6-29-2161.pdf

JCI/Tyco's Updated Factsheets/Brochures



WISCONSIN DEPARTMENT OF NATURAL RESOURCES | DNR.WI.GOV

29

https://tycomarinette.com/wp-content/uploads/2021/06/GETS-Constructon-Phase-Brochure-6-29-2145.pdf

Side 2



Groundwater Extraction & Treatment System (GETS)
The Construction Phase

GETTING TO SAFE GROUND & SURFACE WATER

GROUNDWATER

GROUNDWATER

GROUNDWATER

GROUND & SURFACE WATER

For a will instant special groundwater is underground gives convey to treatment yets and expensed groundwater is underground gives convey to treatment yets and expensed groundwater is underground gives convey to treatment yets and expensed groundwater is underground gives convey to treatment yets and expensed groundwater is underground gives convey to treatment yets and expensed groundwater is underground gives convey to treatment yets and expensed groundwater is underground gives to exceeding DNB standards discharged it countries.

WHAT CONSTRUCTION WILL ENTAIL

IMPACT

• Usens where of construction in rights of-way and at Tyco FTC

Minimal interference with traffic

• Construction alse safety & housekeeping is a priority

• Updates on construction activity will be posted at tycomarinetic con website and City of Marinette websites

KEYPROCET ELEMENT

• Lose, Term Monitoring Wells & Diltch Gauges

• Access Road

• Convergance Pipes

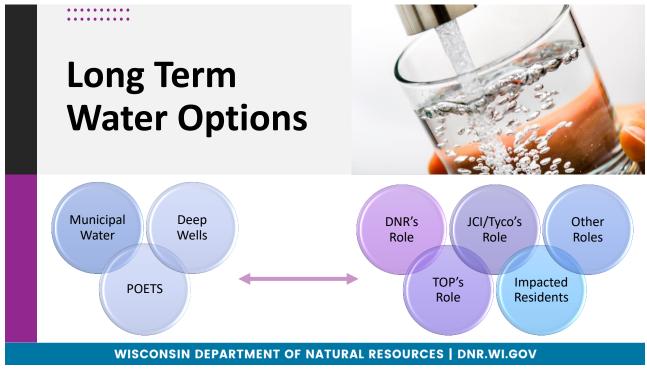
• Extraction Wells

• Treatment Building

Work is underway and GETS is expected to be operating by the end of 2021 and fully operational by the first of 2022.

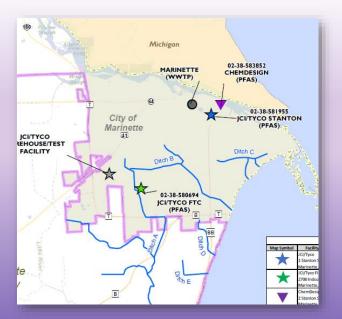
WISCONSIN DEPARTMENT OF NATURAL RESOURCES | DNR.WI.GOV





Public Comment Opportunity

- ChemDesign Draft Air Permit
- Comments through Aug 4, 2021
- Additional info on DNR's PFAS Contamination in Marinette – Peshtigo website
 - FAQ questions about the air permitting process, what's regulated, etc.
 - Public Notice Document how to submit comments, Air Program contact



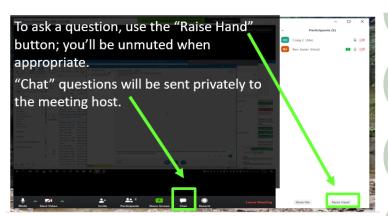
33

Listening Session Schedule

- Next Meeting in October
- Reach out to us inbetween meetings
 - · Call us!
 - · Email us!
 - · Email subscription list
 - Website updates
 - BRRTS updates







- Use the 'chat' feature or 'raise hand' feature to request to be unmuted to ask a call
- If you are joining by phone:
 - *9 raise hand
 - *6 unmute/mute

Ground Rules – Listening Session

- 3-mins per person → everyone has the opportunity to voice concerns
- Keep comments constructive
- Attack the problem not the person

WISCONSIN DEPARTMENT OF NATURAL RESOURCES | DNR.WI.GOV

CONNECT WITH US

Call: (888-626-3244)

Email:

DNRJCIPFAS@wisconsin.gov









