

**WI DNR Voluntary PFAS
Sampling Project for Municipal
Systems
Sampler Training
June 16, 2022**

Introductions

Department of Natural Resources

Kyle Burton – Field Operations Director

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Regional Water Supply Engineers:

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- Wendy Anderson
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- Kenneth Chambers
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State Lab of Hygiene

Erin Mani

WI Department of Health Services

Nathan Kloczko

Meeting Overview

Today we will cover:

1. Sample kit contents
2. Sample kit shipping and receiving
3. Overview of sampling preparation and procedure
4. Communication and Action Plans
5. Next Steps / Follow up Actions



Sampling Kit Contents

You will receive:

1. Three sampling bottles for each entry point** with the preservative Trizma (Preservative pre-added to each bottle by the lab. No need for in-field addition)
2. Two sampling bottles with Trizma** (FB1 and FB2) for Field Reagent Blanks, one containing PFAS-free water and one empty bottle
3. A copy of the PFAS in Public Drinking Water: Planning and Sampling Protocol
4. A lab slip and return address labels for the Wisconsin State Lab of Hygiene (WSLH)
5. Powderless Nitrile Gloves



Shipping and Receiving

- **Kits will be shipped by the WSLH Thursday of the week prior to sampling window**
 - Should be received by system Friday before or Monday of sampling window
- **Plan ahead for overnight return shipping of the samples to the WSLH including a package collection \pick-up time**
 - WSLH will pay for return shipping with UPS
 - Return shipping labels in sampling kit



Sampling Specifics

- **WHERE:**
 - Samples will be taken at all **ENTRY POINTS** for the systems
 - Lab Slips will be prepopulated with entry point numbers and locations
 - Locations where other CHEM samples are taken
- **WHEN:**
 - Please only sample in assigned sample window (populated on lab slip). If unable to take samples during assigned window, contact WSLH ASAP



PER/POLY-FLUOROALKYL ANALYSES

(ENCLOSE FORM WHEN SENDING SAMPLE TO LAB)

Section I: System Information (to be completed by Department of Natural Resources/SAMPLER)

System Name: MADISON WATER UTILITY

PWS ID: 11302247

DNR Contact: DAVE BARKHAHN (920) 960-0115

Region: 1 Type: MC



System Address: 119 E OLIN AVE

City: MADISON

County: DANE

Entry Point ID: 7 WI Unique Well No: BF507

<p>Sampler Contact Info (Notify DNR Contact of Corrections) (608) 261-9101 WATER QUALITY MGR JOSEPH GRANDE 119 E OLIN AVE MADISON WI 53713</p>	<p>Sampler: Provide information to have results faxed or emailed or to change a billing address, if your lab offers these services (leave blank if you don't use these services). Fax Number: _____ Email: _____ Billing Address: _____</p>
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Sample Source:

- W - Well
- E - Entry Point
- D - Distribution System

Sample Type:

- D - Compliance Sample
- C - Confirmation Sample
- I - Investigation Sample
- W - Raw Water Sample

Special Instructions: PHASE 1 BUDGET CODE DG097

Collect sample between: / / and / /

Section II: To be completed by SAMPLER -- ALL ITEMS REQUIRED

Sample Collection Date: / / Time : a.m. p.m.

Address where sample was collected: _____

Monitoring Point ID: _____ Sample Point Description: _____

First Initial and Last Name of Sampler: _____ - _____ Sampler Phone: _____

Section III: To be completed by LAB. Report results on back and electronically to DNR within 10 days per NR 809.80

Sampling Specifics

- **WHAT:**
 - 2 bottles should be filled to the bottle shoulder from each entry point tap (flushing tap 3-5 mins before sampling)
 - If combined entry point:
 - Operation of wells should be as close to normal operation as possible
 - Field blank bottle #1 (FB#1) should be poured into field blank #2 bottle (FB#2)
 - Label bottles with **Sampling Site, Date, Time**
 - Pack two sample bottles AND FB#2 bottle in plastic bag in sample kit cooler, cover in ice (not ice packs) and ship over night to WSLH
 - Sampling instruction video:
<http://www.slh.wisc.edu/environmental/pfas/>



Sampling Planning and Preparation

- Sampling cross-contamination precautions are similar to approved procedures for VOC sampling
 - Except: fill sample bottle to shoulder (where bottle begins to curve in towards the next) only – this will result in headspace within the bottle
- **Important points to keep in mind when sampling:**
 - PFAS can be contained in many items including clothing and personal care products
 - Newer clothes that have not been washed at least 3 times are of more concern
 - **After putting on gloves, touch only sample bottles**
 - Do not touch inside of sample bottle caps
 - If possible, have another person assist to handle faucets, sample collection forms, pens, etc.
- **Sampling Planning and Protocol document is in kit and available **HERE**:**
https://dnr.wisconsin.gov/sites/default/files/topic/PFAS/DG_PFASSamplingProtocol.pdf

After Sampling – What to expect

- The sample results will be available after approximately 30 days.
 - Results will be emailed to systems
 - Results will be available on DNR’s website
- Results from the initial round of sampling will be evaluated by DNR
 - Follow up sampling will be completed if PFAS are detected and [Hazard Index](#) value ≥ 0.5
 - Follow up sampling will include all wells contributing to impacted entry point, and resampling of entry points and be of no cost to systems



Communication / Action Plans

Communication Plan– DNR and DHS will support communication plan lead by community

- Recommendations
 - Pre- Sampling notification to customers
 - Post Sampling notification to customers
 - Templates language available
 - Communication of follow up sampling
 - Template language available



Communication / Action Plans

Communication Plan– DNR and DHS will support communication plan lead by community

- If PFAS are detected at levels greater than health-based DHS recommended groundwater standards or at a Hazard Index of 1 or greater DNR will require and provide a Tier 2 Public Notice according to [WI Admin Code NR 809.950\(3\)\(c\)](#) and [NR 809.952](#)
- DNR and DHS will meet with system representatives to discuss:
 - Public Notice – delivery and content
 - Voluntary actions the system may want to take to reduce PFAS levels in drinking water
 - FAQ – “PFAS in Community Drinking Water”



Communication / Action Plans

Communication Plan– DNR and DHS will support communication plan lead by community

- If PFAS are detected at levels greater than DHS recommended health-based standards or at a Hazard Index of 1 or greater:
 - Communication aspects to consider:
 - Internal comms – municipal leadership/government
 - Public Notice Delivery Method
 - Press release/Conference?
 - Who can help?
 - Local/County Health
 - County Emergency Management
 - Wisconsin Emergency Management



Pre-Sampling Considerations / Action Plan

Interim actions – Interim actions are not required but could be considered.

- Inactivating or blending impacted well(s)
- Temporary treatment
 - EP treatment
 - Distribution (point of use treatment)
- Use Restrictions if operating with limited capacity due to inactivated wells
 - i.g. lawn watering bans



Follow up Actions

Long Term Considerations

- Continued monitoring
- Voluntary corrective actions
 - New sources/wells
 - Treatment
- **Funding**
 - Funding available through Safe Drinking Water Loan Program specific to municipal systems impacted by PFAS



Next Steps – Estimated Timeline

- **Sampling Begins:**
 - Southeast – Week of 6/27
 - Northeast – Week of 7/4
 - Northern – Week of 7/11
- **Results available and follow up communications from DNR – July - August**



Questions?

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GENERAL QUESTIONS

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Questions



If you would like to ask a question:

- 1) *Click Reactions*
- 2) *Click Raise Hand OR*
- 3) *Type into chat*

A “Raised Hand” icon will appear next to your name in the “Participants” window.

 By phone:
Dial *9 to raise hand.

