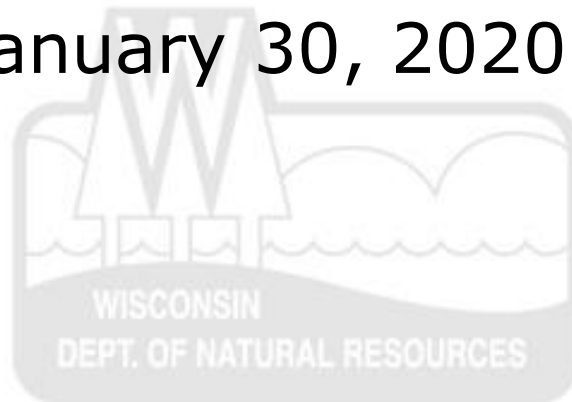


# Drinking Water and Groundwater Study Group Meeting

Madison

January 30, 2020





# Welcome & agenda review

**Kyle Burton** – Field Operations Director




# 2020 LCR Monitoring Site Initiative

**Ann Hirekatur** – Water Supply Specialist



Break



# America's Water Infrastructure Act

**Cathy Wunderlich** – Public Water Engineering Section Chief



**WHY STAY IN  
WHEN YOU CAN  
#OUTWIGO?**  
2020 STATE PARKS STICKERS AVAILABLE



- Business
- Licenses & Regulations
- Recreation
- Env. Protection
- Contact
- Join DNR

  [HELP](#)

**Quick tasks**

- Reserve a campsite
- Online license center
- For Media
- Snow Report
- Request Customer ID #
- Registration and titling

**Popular links**

- Parks and recreation
- Natural Resources Board
- Conservation Congress
- Request a speaker
- Grants and loans
- Deer advisory councils
- Connect with DNR
- Hunting regulations
- Public input & meetings

**News**

- News Releases
- Wild Wisconsin - Off The Record Podcast
- Outdoor Report
- Natural Resources Magazine
- Events
- Year of Clean Drinking Water Report



Just because the temperatures drop, doesn't mean there aren't adventures to be had. Lace up those boots, slap on those ski's, get your fishing hut ready and take advantage of all that Wisconsin has to offer. [Check out some of our winter activities.](#)



**PARKS & RECREATION**



Wisconsin offers great outdoor adventures throughout the year.

**GO WILD**



Enjoy Wisconsin's Wild Side!

**EXPLORE OUTDOORS**



Search great places to go and things to do on state lands around the state.

**GROUNDWATER REPORT**



Did you know 75% of Wisconsinites rely on groundwater? Read the newest report from the WI Groundwater Coordinating Council.



- Accessibility icon
- LinkedIn icon
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- Instagram icon
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- YouTube icon
- Pinterest icon
- Other social media icons
- Red envelope icon (highlighted with a yellow circle)

Learn more about ways to [Connect with DNR](#).



## Email Updates

To sign up for updates or to access your subscriber preferences, please enter your contact information below.

Subscription Type

Email Address \*

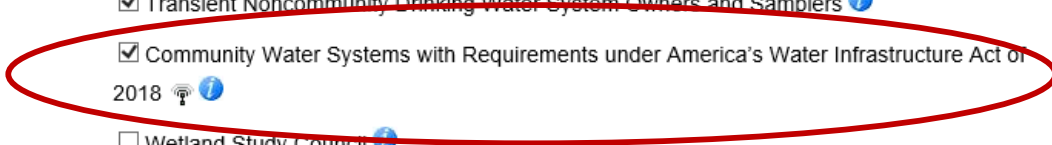
Your contact information is used to deliver requested updates or to access your subscriber preferences.

[Privacy Policy](#) | [Cookie Statement](#) | [Help](#)



Water

- Aquatic Pesticide Pollutant Discharge Permits ⓘ ⓘ
- Dam Information
- Water Quality Standards and Assessments ⓘ
- Golden Sands Dairy CAFO ⓘ
- Piers, Docks, Wharves ⓘ
- Water Quality Modeling ⓘ ⓘ
- Milwaukee River Basin TMDL
- Wastewater Policy Updates ⓘ
- Public Drinking Water Engineers and Agents ⓘ ⓘ
- Municipal Drinking Water System Managers and Operators ⓘ ⓘ
- Other-than-Municipal Drinking Water System Owners and Operators ⓘ
- Nontransient Noncommunity Drinking Water System Owners and Operators ⓘ
- ~~Transient Noncommunity Drinking Water System Owners and Samplers ⓘ~~
- Community Water Systems with Requirements under America's Water Infrastructure Act of 2018 ⓘ ⓘ
- Wetland Study Council ⓘ
- Wisconsin Wetland Inventory ⓘ



General Permits



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2020 STATE PARKS STICKERS AVAILABLE



AWIA  HELP

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**Website**

●●●●● Pause ◀▶

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**SUPPORT RARE SPECIES**

Buy this cool license plate that supports work to protect rare wildlife and state natural areas.





## America's Water Infrastructure Act of 2018 Information for Wisconsin drinking water systems

On October 23, 2018, [America's Water Infrastructure Act \(AWIA\)](#) [exit DNR] was signed into law and is an amendment to the Safe Drinking Water Act (SDWA). As stated by U.S. EPA, AWIA "improves drinking water and water quality, deepens infrastructure investments, enhances public health and quality of life, increases jobs, and bolsters the economy. The AWIA provisions are the most far-reaching changes to the Safe Drinking Water Act since the 1996 Amendments, with over 30 mandated programs.

Title II - Drinking Water System Improvement, Sections 2001 through Section 2023, are specific to community drinking water systems. The EPA is implementing AWIA directly, however the primacy agencies (such as Wisconsin DNR) are providing technical support to their regulated community.

### Significant AWIA sections and requirements

Provided below are some of the more significant requirements of AWIA relevant to Wisconsin. Additional information is available on [EPA's AWIA website](#) [exit DNR].

### Improved Consumer Confidence Reports (AWIA Section 2008)

AWIA revises the requirements for data included in the consumer confidence report. AWIA directs public water system operators to also report exceedances resulting in a treatment technique, other occurrences that required corrective action, corrosion control efforts, and any violations of SDWA that occurred during the monitoring period. The collection of this additional information expands the information captured in the consumer confidence report to include lead exceedances and associated lead treatment techniques. AWIA also increases the frequency that operators of large public water systems (serving more than 10,000 consumers) produce and distribute consumer confidence reports from annually to biannually. This section also expressly authorizes public water system operators to transmit the consumer confidence report electronically.

[Drinking water](#)[Laws and rules](#)[Publications](#)[Water quality data](#)

#### Related links

[▶ Drinking water security and emergency preparedness](#)

#### Contact information

For more information, contact:

[Cathy Wunderlich](#)

Section chief

Public Water Engineering

[Adam DeWeese](#)

Section chief

Public Water Supply

## **Consolidation by Management Contract (AWIA Section 2009) and Consolidation Assessments (AWIA Section 2010)**

AWIA requires that EPA issue a regulation which authorizes primacy agencies to mandate restructuring assessments for public water systems (PWSs) which frequently violate health-based standards, and which have unsuccessfully attempted, or which are unable to attempt, feasible and affordable actions to comply and must describe liability protection for a compliant PWS which is consolidating with an assessed PWS.

## **Asset Management (AWIA Section 2012)**

States must amend their state capacity development strategies to include a description of how the state will encourage the development of asset management plans that include best practices, training, technical assistance and other activities to help with implementation of those plans. States also must include an update of these activities to encourage asset management practices in the Governor's report. EPA must review and update, if appropriate, asset management documents and trainings every five years.

## **Risk & Resilience Assessments and Emergency Response Plans (AWIA Section 2013)**

AWIA requires community water systems serving more than 3,300 people to develop or update risk assessments and emergency response plans (ERPs). The law specifies the components that the risk assessments and ERPs must address, and establishes deadlines by which water systems must certify to EPA completion of the risk assessment and ERP. [Learn more.](#)

## **Source Water Protection (Protection) Programs (AWIA Section 2016)**

## **Planning for and Responding to Chemical Releases (AWIA Section 2018)**

AWIA requires state and tribal emergency response commissions to notify the applicable State agency (i.e., the drinking water primacy agency) of any reportable releases and provide community water systems with hazardous chemical inventory data. EPA's AWIA Amendments to the [Emergency Planning and Community Right-to-Know Act \(EPCRA\) guidance document](#) [exit DNR] provides information for community water systems and state drinking water primacy agencies.

## **Monitoring for Unregulated Contaminants (AWIA Section 2021)**

AWIA expands unregulated contaminant monitoring requirements to include public water systems serving 3,300 - 10,000 individuals - subject to the availability of appropriations for this purpose and lab capacity. This requirement enters into effect three years after the enactment date of AWIA (i.e., October 23, 2021).



[America's Water Infrastructure Act of 2018](#)

## Risk & Resilience Assessments and Emergency Response Plans (AWIA Section 2013)

Section 2013 of AWIA requires community water systems that serve a population of 3,300 or more to conduct a risk and resilience assessment and develop an emergency response plan that must be updated and certified every five years.

**These requirements are being implemented directly by EPA.** See [EPA's AWIA website](#) [\[exit DNR\]](#) for more information.

### Requirements

All community water systems that serve a population over 3,300 must take the following actions.

#### I. Perform a Risk and Resilience Assessment (RRA)

Community water systems shall assess the risks to, and resilience of, its system. Such an assessment shall include:

1. the risk to the system from malevolent acts and natural hazards;
2. the resilience of the pipes and constructed conveyances, physical barriers, source water, water collection and intake, pretreatment, treatment, storage and distribution facilities, electronic, computer or other automated systems (including the security of such systems) which are utilized by the system;
3. the monitoring practices of the system;
4. the financial infrastructure of the system;
5. the use, storage or handling of various chemicals by the system; and
6. the operation and maintenance of the system.

The assessment may include an evaluation of capital and operational needs for risk and resilience management for the system.

#### Drinking water

[Laws and rules](#)

[Publications](#)

[Water quality data](#)

#### Related links

- [Drinking water security and emergency preparedness](#)
- [America's Water Infrastructure Act \(AWIA\) \[\\[exit DNR\\]\]\(#\)](#)

#### Contact information

For more information, contact:

[Miranda Sachtschale](#)

Drinking Water & Groundwater

## Certification deadlines

Utility size (total population served*)	Number of community water systems in WI	Risk & resilience assessment due date**	Emergency response plan due date**
> 100,000	7	March 31, 2020 (2025, 2030, ...)	No later than 6 months after the Risk & Resilience Assessment certification date
50,000 – 99,999	9	December 31, 2020 (2025, 2030, ...)	No later than 6 months after the Risk & Resilience Assessment certification date
3,301 – 49,999	165	June 30, 2021 (2026, 2031, ...)	No later than 6 months after the Risk & Resilience Assessment certification date
< 3,301		N/A	N/A

\* See 'Determining Certification Due Dates: Total Population Served' section below  
\*\* Utilities must review, update and recertify EVERY 5 YEARS

## Certification resources

- AWIA requires you to submit only a certification of completion of an RRA and an ERP; therefore, do not submit the actual RRA and ERP documents to U.S. EPA.
- A certification must be submitted for each applicable PWS ID.
- U.S. EPA strongly recommends you electronically submit your community water system's certification statements using their [user-friendly, secure online portal](#) [exit DNR]. This will be the only reporting method where U.S. EPA will be able to provide an acknowledgment of receipt of your certification statement.
- You can also submit your certification via [email or regular mail](#) [exit DNR].

## Your utility's deadline

Want to confirm your utility's deadline? Here is the [list of systems in Wisconsin](#) [PDF] that serve a population over 3,300 that includes:

- system name;
- designated AWIA contact name; and
- associated certification due dates.

This list was sent to EPA to assist with their implementation of AWIA. EPA will be using your AWIA contact's email to confirm your certification due dates and for any other AWIA-related communications. Additionally, emails will be sent from EPA's online AWIA certification system with reminders concerning each system's deadlines.

PWS Name	TOTAL Population Served	Risk & Resilience Assessment (RRA) Certification Due Date	Emergency Response Plan Certification Due Date
MILWAUKEE WATERWORKS	882,483	March 31, 2020	No later than 6 months after RRA certification date
MADISON WATER UTILITY	250,300	March 31, 2020	No later than 6 months after RRA certification date
KENOSHA WATER UTILITY	305,491	March 31, 2020	No later than 6 months after RRA certification date
RACINE WATERWORKS	128,963	March 31, 2020	No later than 6 months after RRA certification date
GREEN BAY WATERWORKS	126,307	March 31, 2020	No later than 6 months after RRA certification date
MANITOWOC WATERWORKS	115,088	March 31, 2020	No later than 6 months after RRA certification date
APPLETON WATERWORKS	106,350	March 31, 2020	No later than 6 months after RRA certification date
CENTRAL BROWN CO WATER AUTHORITY	82,391	December 31, 2020	No later than 6 months after RRA certification date
WAUKESHA WATER UTILITY	72,489	December 31, 2020	No later than 6 months after RRA certification date
EAU CLAIRE WATERWORKS	68,528	December 31, 2020	No later than 6 months after RRA certification date
OSHKOSH WATERWORKS	66,729	December 31, 2020	No later than 6 months after RRA certification date
SHEBOYGAN WATER UTILITIES	64,189	December 31, 2020	No later than 6 months after RRA certification date
JANESVILLE WATER UTILITY	63,570	December 31, 2020	No later than 6 months after RRA certification date
WEST ALLIS WATERWORKS	59,590	December 31, 2020	No later than 6 months after RRA certification date
LA CROSSE WATERWORKS	51,870	December 31, 2020	No later than 6 months after RRA certification date
OAK CREEK WATERWORKS	50,693	December 31, 2020	No later than 6 months after RRA certification date

## Determining certification due dates: total population served

The **total** population used to determine AWIA Risk & Resilience Assessment/Emergency Response Plan Certification deadlines includes:

1. the population your system serves directly; AND
2. the population of all consecutive systems that your water system supplies (if applicable).

Here is an example to illustrate. System A serves three consecutive systems: System B, System C and System D.

- System A
  - Direct population served = 30,000
  - Consecutive population served = 15,000 + 8,000 + 2,000 = 25,000
  - Total population served = **55,000**
  - **AWIA Risk & Resilience Assessment Certification Due Date = December 31, 2020**

- System B
  - Direct population served = 15,000
  - Consecutive population served = 0
  - Total population served = **15,000**
  - **AWIA Risk & Resilience Assessment Certification Due Date = June 30, 2021**

- System C
  - Direct population served = 8,000
  - Consecutive population served = 0
  - Total population served = **8,000**
  - **AWIA Risk & Resilience Assessment Certification Due Date = June 30, 2021**

- System D
  - Direct population served = 2,000
  - Consecutive population served = 0
  - Total population served = **2,000**
  - **AWIA Risk & Resilience Assessment Certification Due Date = N/A (total population < 3,301)**

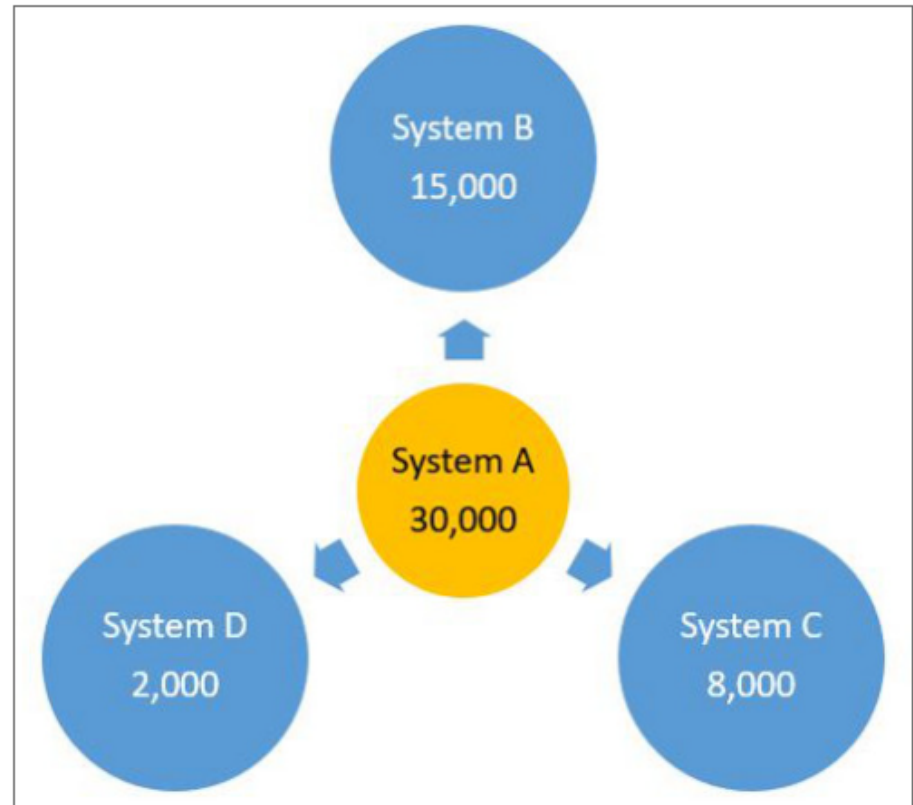


Illustration of System A with three consecutive systems (B, C and D).



# Emergency Response Plan Workshop

## AWIA Emergency Response Plan Workshop Survey

We are in the process of planning an Emergency Response Plan Workshop in coordination with EPA and would like to hear from you. This FREE one-day workshop will be held in April or May in the Madison area. The workshop will dive into the following topics:

- EPA Emergency Response Plan Requirements
- Wisconsin DNR Emergency Response Plan Requirements
- How to use the results from a 'Risk and Resilience Assessment' to complete an 'Emergency Response Plan'
- Afternoon sessions by subject matter experts on water system security and emergency response (topics could include flooding, power outages, cybersecurity, etc.)

While EPA's America's Water Infrastructure Act (AWIA) requirements only apply to systems that serve a population of 3,300 or greater, all system sizes are encouraged to attend this workshop.

To help us in the planning process, please take this short survey if you are interested in attending the workshop. Once the workshop logistics are finalized, we will send you registration information.

<https://www.surveymonkey.com/r/XZ3RB9V>



# Internal Updates



**Kyle Burton** – Field Operations Director





# PFAS

## NR 809 Rule Making Timeline

### Summer 2019

- [Statement of Scope \[PDF\]](#)



### Fall 2019

- Natural Resources Board (NRB) authorization to hold public hearing on scope statement
- Public hearing on scope statement
- [Preliminary comments on scope statements \[PDF\]](#)

[Video: 11/12/19 Public Hearing \[exit DNR\]](#)



### Winter 2020

- NRB scope approval
- Begin rule drafting
- Advisory workgroups

← (We are here)



### Winter 2021

- Preparation of proposed rule
- Solicitation of information for economic impact analysis (EIA)
- Draft EIA



### Summer 2021

- Public hearings on proposed rule



### Winter 2021/2022

- NRB meeting for adoption
- Rule approved by governor
- Legislative review



### Spring 2022

- Rule signed by DNR Secretary



### Summer 2022

- Rule becomes effective



# PFAS Rulemaking Stakeholder Involvement

- The first **Stakeholder Group Meeting** for rulemaking efforts related to PFAS surface water quality criteria, groundwater standards, and drinking water maximum contaminant levels will meet **on February 6, 2020 from 9:30 am to 12:30 pm** at the DNR building in **Madison, 101 S. Webster Street. The meeting will be held in room G-09.**
- This meeting is the **first of a series** of rule development meetings that the DNR will be hosting as it develops proposed rule revisions. These meetings are **open to the public** and intended to provide information and seek input on the development of revisions to select provisions of the Wisconsin Administrative Code.
- If you plan to attend this meeting in person, **please RSVP** to Meghan Williams at [MeghanC3.Williams@wisconsin.gov](mailto:MeghanC3.Williams@wisconsin.gov) as soon as possible.

# NR 812 Rulemaking Scope



1. Correct and clarify
2. Streamline procedures
3. Update construction standards
4. Be consistent with state and federal laws

...while maintaining protection of groundwater and public health.



# NR 812 Proposed Revisions

- NR Board approved May 2019
- DNR worked with Wis. Water Well Assn. to address concerns:
  - casing depth in limestone/dolomite
  - flowing wells
- NR Board approved modifications January 2020
- May 1, 2020 = estimated effective date
- Training/publications/outreach planned





# LCR Optimal Corrosion Control

- *Large Systems*

- Conducting water quality parameter sampling in 2020 with Lead & Copper Sampling
- Conducting corrosion control treatment studies over 24 months (due 12/31/21)

- *Medium & Small Systems*

- Select systems conducting water quality parameter sampling in 2020 with Lead & Copper Sampling
  - Systems with LSLs and no corrosion inhibitor added
- Going through a 'stepped' optimization approach



# LSL Replacement Program

- October 7, 2019, EPA memo authorized a one-time transfer of up to 5% of CWF to SDWLP to address lead in drinking water
  - Clean Water Fund monies must be transferred to the Safe Drinking Water Loan Program by October 5, 2020
- DNR is working with EPA to develop the private LSL replacement program
  - Timeline for implementation proposed to be between 5-7 years total
  - 1<sup>st</sup> application deadline anticipated by 12/31/20



# LSL Replacement Program, cont'd

- DNR, DOA and PSC comprise the program planning team
  - Meeting weekly to develop the program
- Program team is working off past successes with the previous private LSL replacement program
  - Seeking municipality input and involvement to tailor the program to community's needs
- Communication avenues
  - GovDelivery titled *Lead Service Line Replacement Program* (live)
  - Secretary's Directors, program field staff, conferences, social media, e-newsletters, regional forums

# LSL Replacement Program, cont'd

- The funds will be dispersed as principal forgiveness and available to municipalities only
  - Municipalities must be reporting private lead service lines to PSC on W-29 to be eligible

**Add a New Service Lateral**

Note: When you add a new service lateral, any changes to the existing entries are automatically saved.

Pipe Material:

Diameter:

- Asbestos-Cement (Transite)
- Concrete
- Copper
- Ductile Iron, Lined (late 1950's to present)
- Galvanized
- HDPE
- Lead
- Lined Cast Iron (mid-1950's to early 1970)
- Other Plastic
- PVC
- Steel
- Unknown - Does Not Contain Lead
- Unknown - May Contain Lead
- Unlined Cast Iron (pre-early 1950's)

- Program contact: Becky Scott  
[Rebecca.Scott@wisconsin.gov](mailto:Rebecca.Scott@wisconsin.gov), 608 267-7584





# New Resources for Municipal Operators

- Municipal Waterworks Operators Webpage
  - <https://dnr.wi.gov/topic/DrinkingWater/municipaloperator.html>
- Sanitary Survey Resources Page
  - <https://dnr.wi.gov/topic/drinkingwater/SanitarySurveyResources.html>
- Sanitary Survey Fact Sheet and Checklist
  - [DNR municipal sanitary survey fact sheet \[PDF\]](#)
  - [Sanitary survey checklist \[PDF\]](#)

# Reminders

- ***Annual cross connection control reports for 2019 are requested by March 1, 2020, per NR 810.15.***
  
- ***2020 Seasonal Start-Ups***
  - ***Transient Non-Community Systems***
    - ***Receive Brochure – must fill out at return***
    - ***Link to Seasonal Start-Up Presentation Slides:***  
<https://dnr.wi.gov/files/PDF/pubs/DG/DG0079I.pdf>





# DG Program IT Update

**Jen Filbert**– DG IT Project Manager



# Member roundtable



Wrap-up and adjourn

Next Meeting Date:

April 28, 2020

GEF 2, State Natural Resources Building,  
Madison, 9:30a.m. – 12:30 p.m.

Meeting minutes will be posted on the  
Drinking Water & Groundwater Study Group  
website