

2024 Update

Div of Drinking and Ground Waters

Amy Klei, Chief

OTCO Water Workshop/Webinar



**Environmental
Protection
Agency**

DDAGW Big Picture

- Agency Restructure
- Rule Update
- Lead and Copper
- PFAS
- Resources/Funding



Rule Updates – Early Stakeholder Outreach

- **Maximum Levels and Point of Entry Devices (81-10, 81-11, 81-15, 81-19)** - – Released for ESO on Feb 22, 2024, considering revisions. Comments due March 22, 2024.
- **Source Monitoring (81-65, 81-66, 81-71):** Internal workgroup meeting, ESO in a few months.
- **Asset Management (87-01, 87-02, 87-03, 87-04, and 87-05)** – Internal drafting rule language for IPR based on comments.



Asset Management Rule

- Removal of Transient Non-Community requirements
- Clarification for Non-Transient Non-Community emergency preparedness efforts
- Clarification on review of supporting documents
- Overall clean-up of the rules
- Interest Party Review coming very soon



Rules - Interested Party Review (IPR)

- **Water Distribution System Disruption of Service (83-02)**– IPR started 2/22/24 and comments are due March 22, 2024. Proposed changes to redefine types of disruptions of service.
- **Operator Certification** – Draft rule language for 3745-7-01 through 3745-7-21. Released for IPR on March 1, comments Due April 1. Extensive changes proposed.



Disruption of Service – Key IPR changes

- Changing types: defining “major disruption event” and eliminating Types 3 and 4.
- Major event:
 - Repair not expected to be completed in 24 hrs
 - Anticipate affect area will be without water for more than 24 hrs
 - >250 service connections or > 25% or customers



Operator Certification Proposed Key Changes

- Changing “wastewater treatment” with the term “water reclamation”
- Holiday and other staffing flexibility
- New “facility-specific” classification
- Reducing required operating experience time for Class II, III and IV
- Adding operator in training (OIT) status for Class III certificates and increase time for OIT status
- Adding flexibility to review an out of state operators work history to determine appropriate classification for reciprocity



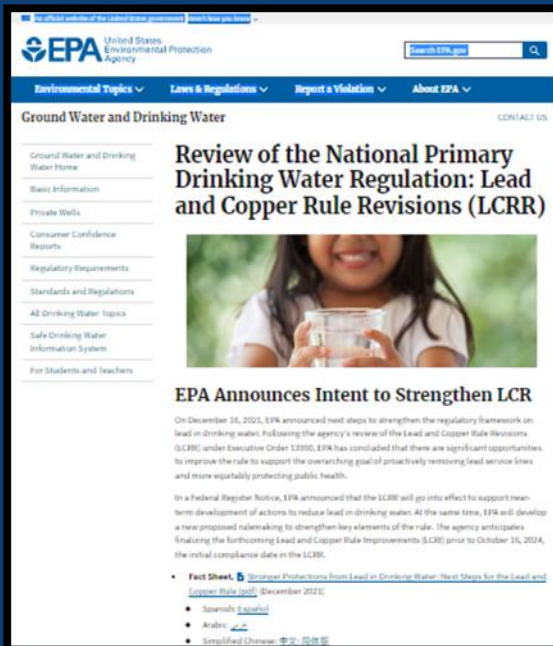
Rule – Original and Final File

- **Public Water System Licenses (81-02, 81-03, 81-29, and 81-07)** – Original File package in internal review.
- **Administrative Penalties (81-04)**: Original Filed 2/28, public hearing scheduled for 4/5/2024. Changes include the removal of the lead and copper consumer and public notice administrative penalty calculations to align with amendments to 6109.121.
- **Monitoring requirements for disinfectant residuals (81-70)** – Final filed and became effective on 3/4/24.



Lead and Copper Rule Timeline

- Lead and Copper Rule Revision
- Effective December 2021, Compliance October 16, 2024
- Initial Inventories
- Lead and Copper Rule Improvements
 - Improvements to LCRR announced December 2021
 - LSLR
 - Action/Trigger levels
 - EJ/Underserved Communities
 - Compliance Sampling
- Draft issued in late 2023 with promulgation expected prior to October 2024



Environmental
Protection
Agency

Service Line Inventory

- Inventory is due by October 16, 2024 (all community and NTNC)...even if you don't have lead service lines
- Annual or triennial updates of the inventory are required, based on the system's monitoring schedule
- For each service line connected to the system, provide the material(s) for the public side, connector, and private side
- Inventories must be made publicly available





Proposal to serve

Ohio Environmental Protection Agency

Consulting Services for Developing Ohio Strategy to Address Lead in Drinking Water

RFP Number: SRC000005032
Index Number: EPA021
UNSPSC Category: 77104500

Technical Proposal

Submitted by:
KPMG LLP

October 05, 2022
kpmg.com



Ohio Lead Strategy Project

- Project Kickoff in January
- Contract with KPMG
 - Rasor Marketing Communications
- 12-month ambitious effort



Environmental
Protection
Agency

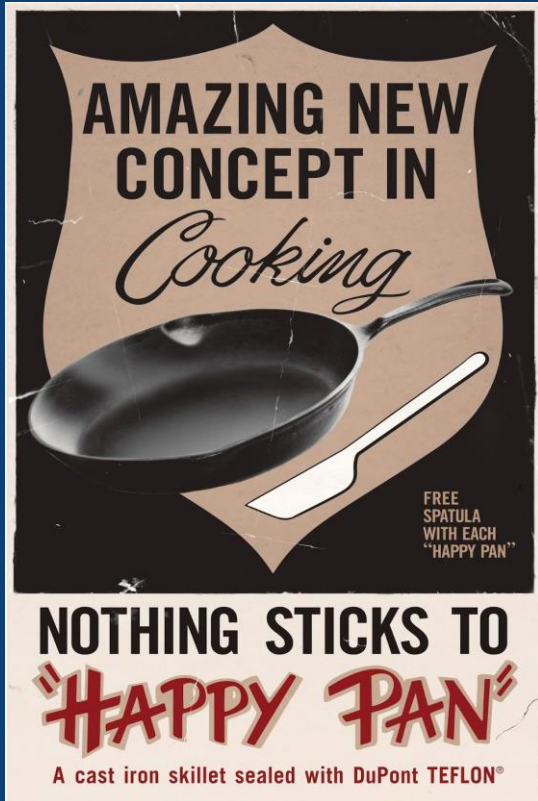
Lead Strategy Project Objectives

1. Facilitate Stakeholder Outreach Sessions, Summarize, and Evaluate Input – **completed**
2. Evaluate Ohio EPA's Lead and Copper Rule Program - **completed**
3. Develop Draft Strategy - **underway**
4. Develop Local Engagement Toolkit for PWS and Communities to Promote and Facilitate Removal of Lead Service Lines - **underway**
5. Recommend Statewide Education and Outreach Campaign – **underway**



**Environmental
Protection
Agency**

PFAS 101

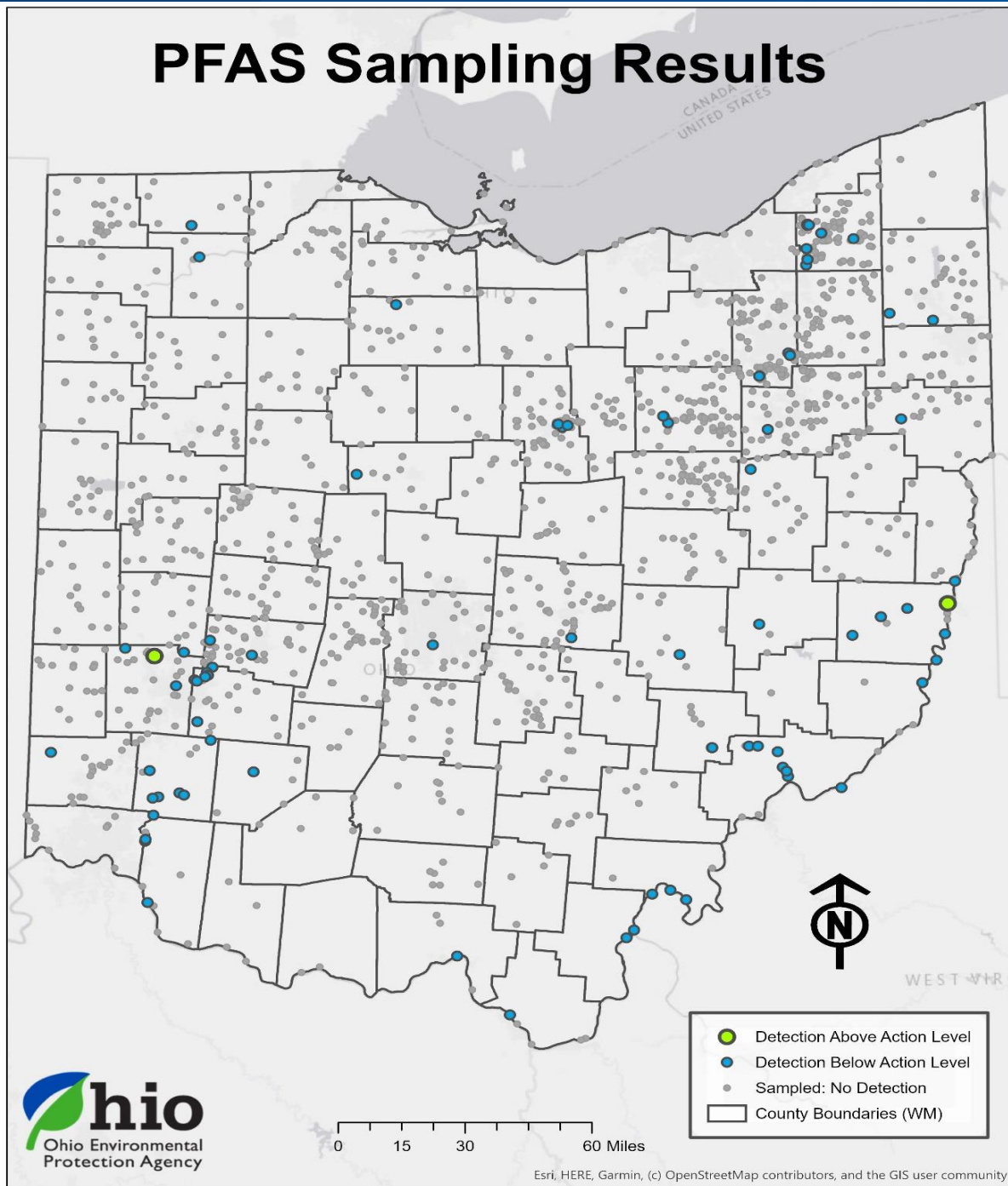


- Per- and Polyfluoroalkyl Substances (PFAS)
- Synthetic organic chemicals initially developed in the 1940s; 1000s of compounds
- Unique properties, persistent
- Used in commercial products; industrial, and fire-fighting foam
- Limited toxicity data, most studies on PFOA/PFOS



**Environmental
Protection
Agency**

PFAS Sampling Results



2020 Statewide Study



**Environmental
Protection
Agency**

Proposed PFAS Standards

Compound	Proposed MCLG	Proposed MCL (enforceable levels)
PFOA	zero	4.0 ppt
PFOS	zero	4.0 ppt
PFNA	1.0 (unitless) Hazard Index	1.0 (unitless) Hazard Index
PFHxS		
PFBS		
HFPO-DA (GenX)		

Source: <https://www.epa.gov/sdwa/and-polyfluoroalkyl-substances-pfas>



**Environmental
Protection
Agency**

PFAS

- Build on statewide PWS testing results
- 80+ systems had at least one PFAS detected; 20+ additional systems had at least a raw detection (over 60 PWS likely > MCL)
- Expect to have more clarity in next few months on regulatory future
- Recognize challenges designing and true costing treatment or source alternatives



**Environmental
Protection
Agency**

Treatment Guidance

- DDAGW has drafted a PFAS Treatment Guidance in collaboration with AWWA and USEPA ORD
- discusses treatment options, demonstration studies and other considerations like waste streams and corrosion
- Ready for public comment
- Once comments are addressed the document will be final and ready for use.



**Environmental
Protection
Agency**

Funding Summary

- **H2Ohio**
 - State funding for water and wastewater
 - \$10 million each year for the last 4 years
 - Next two years Ohio EPA receiving \$20 million/year
- **Drinking Water State Revolving Fund**
 - Base Drinking Water State Revolving Fund
- **Bipartisan Infrastructure Law (IIJA)**
 - General Supplemental
 - Emerging Contaminants
 - Lead Service Line

State Revolving Fund (SRF) Programs

Water Pollution Control
Loan Fund (WPCLF)

Water Supply Revolving
Loan Account (WSRLA)

Single largest source of
public funding for
infrastructure

Below-market interest
rates & rate discounts

Principal forgiveness
loans

Broad eligibility for
water and wastewater
needs

Co-funding with other
sources is
common/encouraged

Established/Financially-
strong/Annual Program



Identification and Mapping Year 3

- \$2.1 million
- 48 systems
- \$600k to RCAP and ORWA

Lead Service Line Replacement Year 3

- \$2.4 million
- 6 systems
- Delphos, Lockland, Norwood, Scio, Sebring, Hubbard

Identification and Mapping Year 4

- \$2.4 million
- 53 systems in 37 counties

Distribution Equipment Year 4

- \$1 million
- ~116 systems



Water Infrastructure Projects Year 5

- \$11.7 million
- Akron, Toledo, Ashtabula County, Coshocton, Granville, Matamoras, Muskingum County, Perrysville, Jackson County Water

Distribution Equipment Year 5

- \$2.7 million
- >300 systems



PFAS/Emerging Contaminant Funding

- **Planning**
 - This can include alternatives analysis, piloting or investigation of the problem. Can nominate a planning project at any time and receive 0%.
- **Design**
 - Nominate a design project at any time and receive 0%.
- **Construction**
 - opportunity to nominate a PFAS project in February for the chance at principal forgiveness. Indicate it is for PFAS mitigation or treatment. The program year for this funding started in July 2023.

Treatment: Will require an approved general plan before a design or construction loan.

Both planning and design loans can be rolled into the construction loan (won't need to pay on those loans before the construction loan is awarded).

Ohio Rural Community Assistance Program (RCAP)

- Direct assistance to PWS under 10,000 in population
- Development of service line inventory
- Outreach to the community
- Assistance and training in identification
- In total, they are working with over 60 communities on service line inventories.



WSRLA Nomination Submissions

- Nomination period for Program Year 2025 ends March 8th
- Base, BIL Supplemental, LSL and BIL/WIIN EC will all be considered
- Planning, design, LSL, HAB, and PFAS may be submitted throughout the program year
- **If submitting a treatment plant project for design or construction, please be sure to have an Ohio EPA approved General Plan at the time of nomination.**



WSRLA Program LSL Funding Options

- Planning and Design
 - Inventory and Mapping
 - All planning and design loans are 0% for 5-year term
 - Roll into construction
- Construction
 - 0% loans available for all LSL projects
 - May be performed as a component of a larger water line improvement project or as a stand-alone LSL replacement project
 - Both private and public side must be replaced
- For disadvantaged communities:
 - 53% of LSL costs as principal forgiveness, remainder at 0% interest financing
 - No population threshold for LSL disadvantaged community criteria



Service Line Inventory Direct Assistance Contract

- \$18M RFP just closed on March 6
- Contracting with multiple vendors to meet the needs of Ohio's PWS
- Ohio EPA's goal is to be in contract by May
- PWS will request assistance
- Contractor will be sent out to provide assistance - No charge
- Assistance includes inventory development, identification, replacement plans
- All community and not for profit NTNC's can receive assistance

Grants

- Funds from drinking water SRF set asides
- Closed on February 23rd, Ohio EPA is reviewing applications
- SWAP-Protective Strategy Grant (24 applications)
 - Support the implementation of specific and measurable protective strategies to help protect source water
- Well Abandonment Grant (14 applications)
 - Provides resources for the planning and proper plugging of abandoned drinking water wells
- Asset Management Program Update Grants (55 applications)



USEPA - Get the Lead Out Initiative

- **Get the Lead Out (GLO) Initiative** launched November 7, 2023 as an extension of the LSLR Accelerators pilot program.
- Highlights:
 - **LSL Inventories** that meet 2021 LCRR requirements/deadline.
 - **Community Engagement Plans** that invite community input, provide educational resources, and meaningfully engage affected community members while identifying and replacing LSLs.
 - **Lead Service Line Replacement Plans** to provide each municipality a roadmap for 100% identification and full replacement of all LSL, including public and private portions.
 - **State Revolving Fund Applications** to help communities fund their service line replacement. Each recipient of this technical assistance will receive a customized plan to facilitate their work with the state.
- USEPA is focused on systems above 500 in population
- Interested? Please email Tanushree.Courlas@epa.ohio.gov



How to Participate and Stay Engaged

- Questions to:
infrastructurefunding@epa.ohio.gov
- Update contact information with inspectors
- Follow Ohio EPA on social media
- Follow WSRLA program announcements



DDAGW Grants



WSRLA



Environmental
Protection
Agency

Engineering Team Updates

Debbie Nicholas joined as an SRF Engineering Manager

Adding Engineering Management position for the booming central Ohio area

Additional staff review engineer in Northeast office

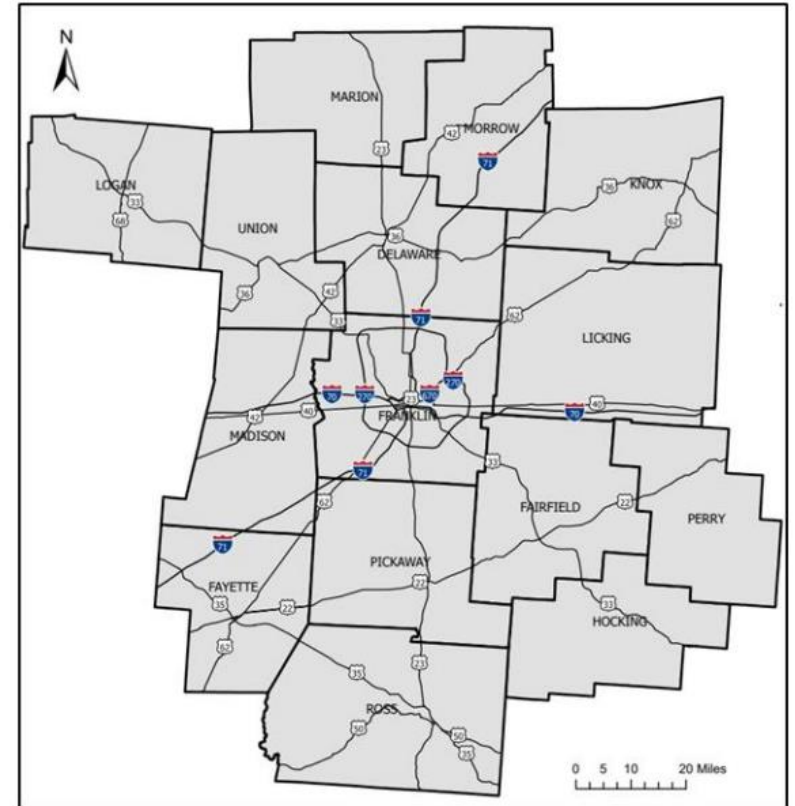
Finalizing plans/training for well site applications in ePlans

- Please continue to use the DDAGW Engineer email box for submissions



Central Ohio Water Study

- 15 county comprehensive study
- Evaluate water resources, water and wastewater capacity, and ground and surface water conditions and status
- Ambitious 12-month effort
- More coming soon and could be replicated in other areas of the state



Coming soon...

WATERREUSE

About Us Engage Educate Advocate News Become a Member **State Sections**

Home \ Sections \ Ohio

WateReuse Ohio

The Ohio Section of WateReuse is set to be established in March 2024 to advance water recycling programs and regulations in the state. Check back soon for more news and information.

WATERREUSE
OHIO

Ohio

Leadership

Meetings & Events

<https://watereuse.org/sections/ohio/>



**Environmental
Protection
Agency**

Takeaways



Energized federal regulatory environment



Regulatory changes coming... we are all on notice and need to start working now



Ohio EPA fully committed to (continue and expand) our partnership with the water industry



**Environmental
Protection
Agency**

Thank You

Amy J. Klei, Chief

Division of Drinking and Ground
Waters

614.644.2752

Amy.Klei@epa.ohio.gov

<http://epa.ohio.gov/ddagw/>

Follow Ohio EPA on



**Environmental
Protection
Agency**



East Palestine Monitoring Wells

286 views • 5 months ago



Installing groundwater monitoring wells is essential to

CC



Ohio EPA

10,616 followers

8mo •

Our drinking water team was happy to help out with today's open house at East Palestine Municipal Water Plant. Thanks to all who came out! In addition to weekly drinking water testing, we've installed 4 early detection monitoring wells between the derailment site & village well field.



Ohio EPA shows how they determine if water is safe to drink in East Palestine



COMMUNITY IN CRISIS
EPA WATER TESTING
19 NEWS IS EVERYWHERE: EAST PALESTINE

By Katie Tercek
Published: Feb. 21, 2023 at 4:46 PM EST



CLEVELAND, Ohio (WOIO) - Even after officials say drinking water in East Palestine is safe, residents question whether or not it really is.

**East Palestine Water Treatment Plant
Open House - March 4, 2023**