

Ohio EPA

Division of Surface Water Updates

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H2Ohio

OHIO'S PLAN FOR CLEAN WATER

H2Ohio RIVERS INITIATIVE



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The H2Ohio Rivers Initiative is designed to improve water quality, ensure community health, protect wildlife, and provide opportunities for recreation in and along Ohio's rivers & streams.

\$46.6M

Over 2 Years

An expansion of the H2Ohio initiative, the **H2Ohio Rivers Initiative** places an emphasis on the preservation and improvement of our rivers, that provide critical wildlife habitat, drinking water, and recreation space.



River
Restoration



Road Salt
Management



Dam
Removal



Emerging
Contaminant
Assessment

H2Ohio Rivers Initiative



Dam Removal/Habitat Restoration

- 2023 – \$3,500,00 Funded Troy Dam Removal and Habitat Restoration
- 2023 – \$1,500,000 Funded 2 Piqua Dam Removals

Future Projects?? Let us know!!



H2Ohio Rivers Initiative



Dam Removal/Habitat Restoration

- 2023 –Troy Dam Removal and Habitat Restoration
- 2023 –2 Piqua Dam Removals
- 2024 – Leavittsburg Dam (Mahoning River)
- 2024 – New Philadelphia Dam (Tuscarawas River)



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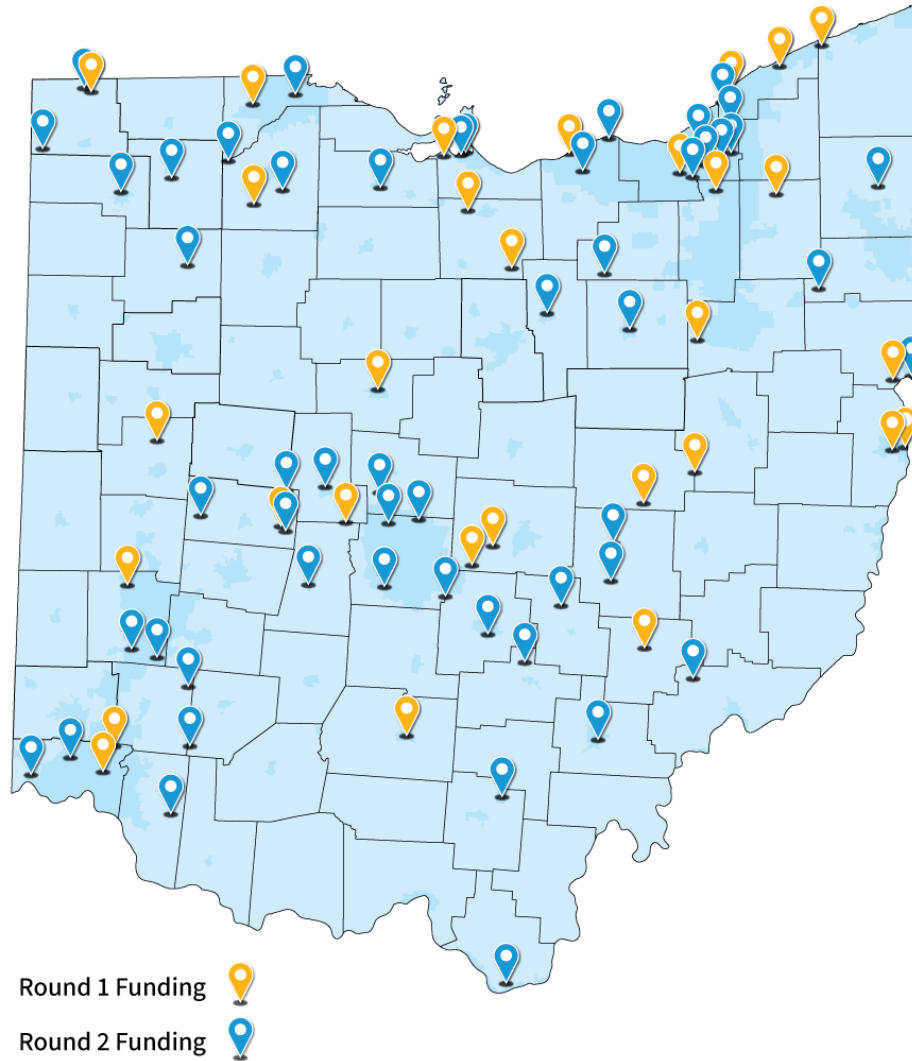
Salt Equipment/Facility Upgrade Grants

- > \$14,5000,000 in requests
- Awarded \$4.4 Million to over 80 communities



H2Ohio

Rivers Initiative

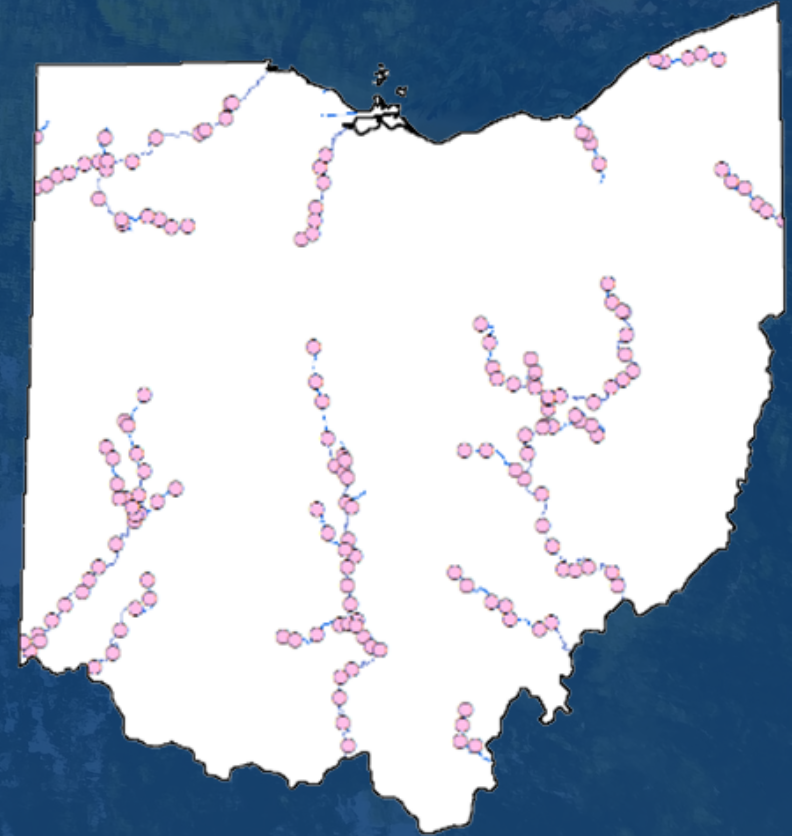


H2Ohio Rivers Initiative



Emerging contaminants assessment

- Ohio EPA contractors are collecting Fish tissue, Water Column, and Macroinvertebrate tissue samples for PFAS
- Sampling expected to be completed by the end of 2024.



PFAS Strategy 2.0 – Lake Erie Fish Tissue

- Ohio is seeking \$166,565 in Great Lakes Restoration Initiative funding to analyze PFAS in fish tissue from Lake Erie.
- This project will provide the state with a broader understanding of the distribution and bioaccumulation of PFAS in Lake Erie.
- The data will also help Ohio gain a better understanding of PFAS in Lake Erie fish and will inform future fish consumption advisories.



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DSW Total Phosphorus Optimization

GRANT FUNDS AVAILABLE TO REDUCE PHOSPORUS

- **Eligible Facilities:**

- Municipal WWTPs
- Design flow of 0.5 MGD or more
- Lake Erie Basin

- **Funding Approach:**

- *First round:* fund assessment of alternatives to reduce TP; approx. \$20k each for 10 facilities
- *Second round:* from those 10 facilities, select a few proposals and provide additional funding for full implementation

- **Important Dates:**

- June 1, 2024 Request for Proposals was issued
- Sept 16, 2024 Applications due
- January 2025 Grants awarded
- October 2025 First round deliverable report due

RULE UPDATES!!



HB 175 – Wetland and Stream Rules

- Section 401 Water Quality Certifications (OAC chapter 3745-32)
 - New stream mitigation rule
 - New references to guidance document and OSAM stream mitigation tool
- Wetlands Water Quality Standards
 - New reference to a guidance document
 - New formulas for wetland preservation and enhancement
 - New mitigation ration exemption for coal remining and abandoned mine lands

PTI and Biosolids 5-Year Rule Review

- Sign up for updates:
 - *DSW Regulations / Ohio Environmental Protection Agency*
- Changes being considered for Biosolids Rule:
 - Incorporation of applicable components of NRCS 590
 - Addition of BMPs for odor control at regional storage facilities
 - Adding requirements for non-traditional beneficial use of biosolids, i.e., tree farms and land reclamation site
- Changes being considered for PTI Rule:
 - Update and clarify requirements for beneficial use of treated industrial wastewater
 - Clarify lagoon siting and construction requirements
 - Specific rule for anaerobic digesters design



Plan Review

[Sign Out](#)
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Start New Project

Review Type

Select Review Type ▼

Add Project

Divisions and Programs:

Division of Materials and Waste Management (DMWM)

- Beneficial Use
- Construction & Demolition Debris (C&DD) Landfills
- Construction & Demolition Debris (C&DD) Processing

Facilities

- Industrial Manufacturing Waste (IMW)
- Municipal Solid Waste (MSW)
- Solid Waste Management Planning (SMWD)

Division of Surface Water (DSW)

- National Pollutant Elimination Discharge System (NPDES)
- Oil and Gas Storm Water
- Surface Water Permit to Install




Division of Drinking and Ground Waters (DDAGW)

- Drinking Water
- SWAP (Source Water Assessment and Protection)

Division of Environmental and Financial Assistance (DEFA)

- Water Pollution Control Loan Fund (WPCLF)
- Water Resource Restoration Sponsor Program (WRRSP)
- Water Supply Revolving Loan Account (WSRLA)

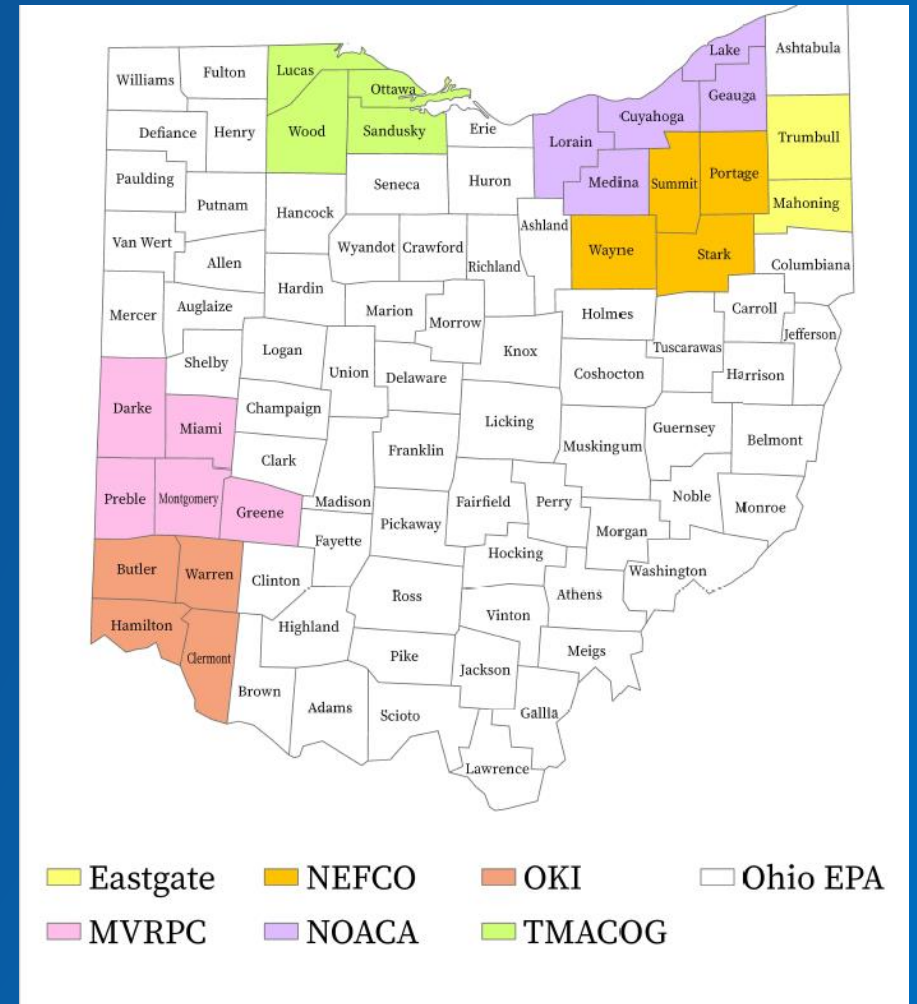
View Within Last 6 Months ▼

Group	Identifier	Name	Create Date	Status	Open
<None>	DSW-515	Tony Nosko	7/10/2023	Plan Submission	
<None>	DSW-507	Tony Nosko	5/25/2023	Plan Submission	
<None>	DSW-505	Tony Nosko	5/24/2023	Plan Submission	

DSW ePlans

PTI continued and 208

- Project invite is a great tool to invite the applicant, future owner, 208, health department, whoever to the project to follow.
- Reminder that if a project is within a 208 planning area, you should reach out to the Planning Agency to confirm that the project is consistent with the 208 plan **before** submitting the PTI
- **NEFCO (Portage, Stark, Summit, & Wayne):**
<https://www.nefcoplanning.org/contact/>
- **NOACA (Cuyahoga, Geauga, Lake, Lorain, & Medina):**
<https://www.noaca.org/about/contact-us>
- **Eastgate (Mahoning and Trumbull):** <https://eastgatecog.org/about/contact-us>
- **TMACOG (Lucas, Ottawa, Sandusky, & Wood):** <https://tmacog.org/contact>
- **MVRPC (Darke, Greene, Miami, Montgomery, & Preble):**
<https://www.mvrpc.org/staff-directory>
- **OKI (Butler, Clermont, Hamilton, & Warren):** <https://www.oki.org/contact-us/>



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NPDES Permit Objections - Administrative Process

- Real time review
- Proposed permit review: 20 days if no changes were made after public notice, 35 days if changes were made (OH MOA)
- Specific objection: EPA has 90 days from receipt of the proposed permit to issue a specific objection (40 CFR 123.44)
- Within 90 days of the objection, the state must:
 - Request a hearing
 - Resubmit a revised permit
 - If not, EPA can take the permit

Priority Projects – Port Clinton

- Ohio included a phosphorus limit of 1.0 mg/L
- Specific objection from R5 included a limit based on the facility achieving a phosphorus concentration of 0.021 mg/L



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Port Clinton Timeline

- Feb 29, 2024, R5 sent OEPA a general objection
- April 24, 2024, R5 sent OEPA a specific objection
- April 29, 2024, OEPA requested a hearing

What is Significant Noncompliance?

- Failure to submit a discharge monitoring report
- Failure to meet a permit compliance schedule milestone
- Violations of formal enforcement actions
- Significant permit effluent violations



Ohio PFAS Action Plan 1.0

- In 2019, Governor DeWine ordered Ohio EPA and ODH to analyze the prevalence of PFAS in Ohio's drinking water.
- In response, Ohio EPA and ODH created Ohio's PFAS Action Plan 1.0, which prioritized the testing of water in Ohio's nearly 1,500 public water systems.

PFAS Testing of Ohio Public Water Systems

Water Treatment Plants by Sampling Status

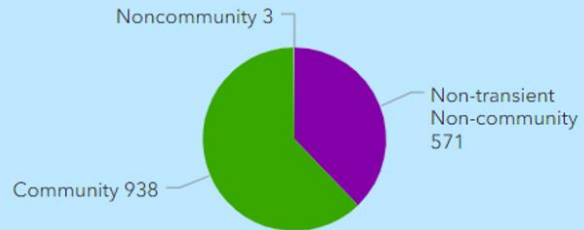


Tested: 1,512

Sampling Status Chart/Filter

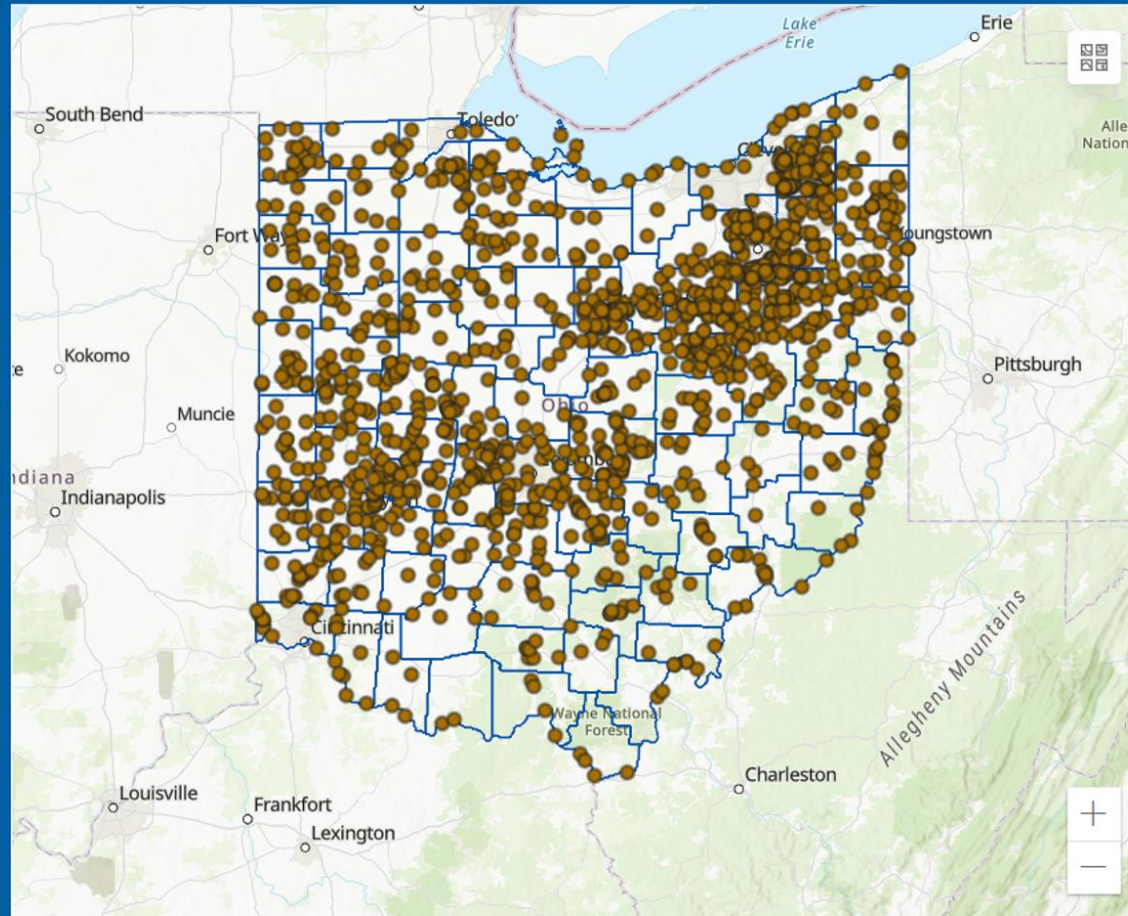
Details

Water Treatment Plants by System Type



System Type Chart/Filter

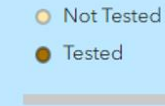
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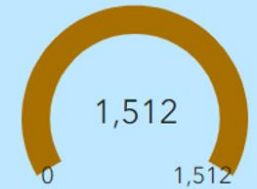
Esri, USGS | Esri, HERE, Garmin, FAO, NOAA, USGS, EPA, NPS

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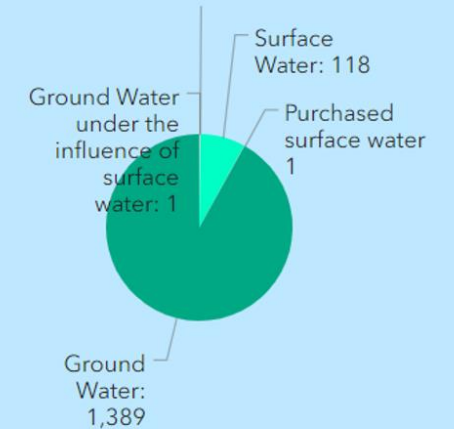
Ohio Water Treatment Plants: PFAS Sampling Status



Water Treatment Plants Tested



Water Treatment Plants by Type of Source



Type of Source Chart/Filter

Details

Ohio PFAS Action Plan 2.0

Under the leadership of Governor DeWine, Ohio EPA and ODH have continued their work to track the latest science related to PFAS to ensure the protection of public health. Ohio's PFAS Action Plan 2.0 outlines the next steps in the state's strategy to comprehensively address PFAS from previous state efforts.

Mitigation

Ohio AFFF Takeback Program

- Ohio EPA is funding the Ohio AFFF Takeback Program that uses Battelle's PFAS Annihilator™ technology, which is a patented PFAS destruction process powered by supercritical water oxidation and effectively destroys PFAS in contaminated wastewater, landfill leachate, and AFFF in seconds.
- The Ohio AFFF Takeback Program is a no-cost solution for all Ohio fire departments as well as local governments and government-owned airports that want to get rid of their AFFF stockpiles.
- From May through June, Ohio EPA hosted its first round of regional collection events in the Agency's five districts where departments could drop off their registered material. In those two months, Ohio EPA was able to collect 13,725 gallons of known, sealed AFFF material from 121 fire departments across Ohio.



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Thank You



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