

# Ohio EPA

## Division of Surface Water Updates

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Assistant Chief  
Ohio EPA  
July 24, 2024



**Environmental  
Protection  
Agency**



FORBES > LIFESTYLE > TRAVEL

# Columbus Is America's Fastest Growing City And A Wonderful Place To Visit

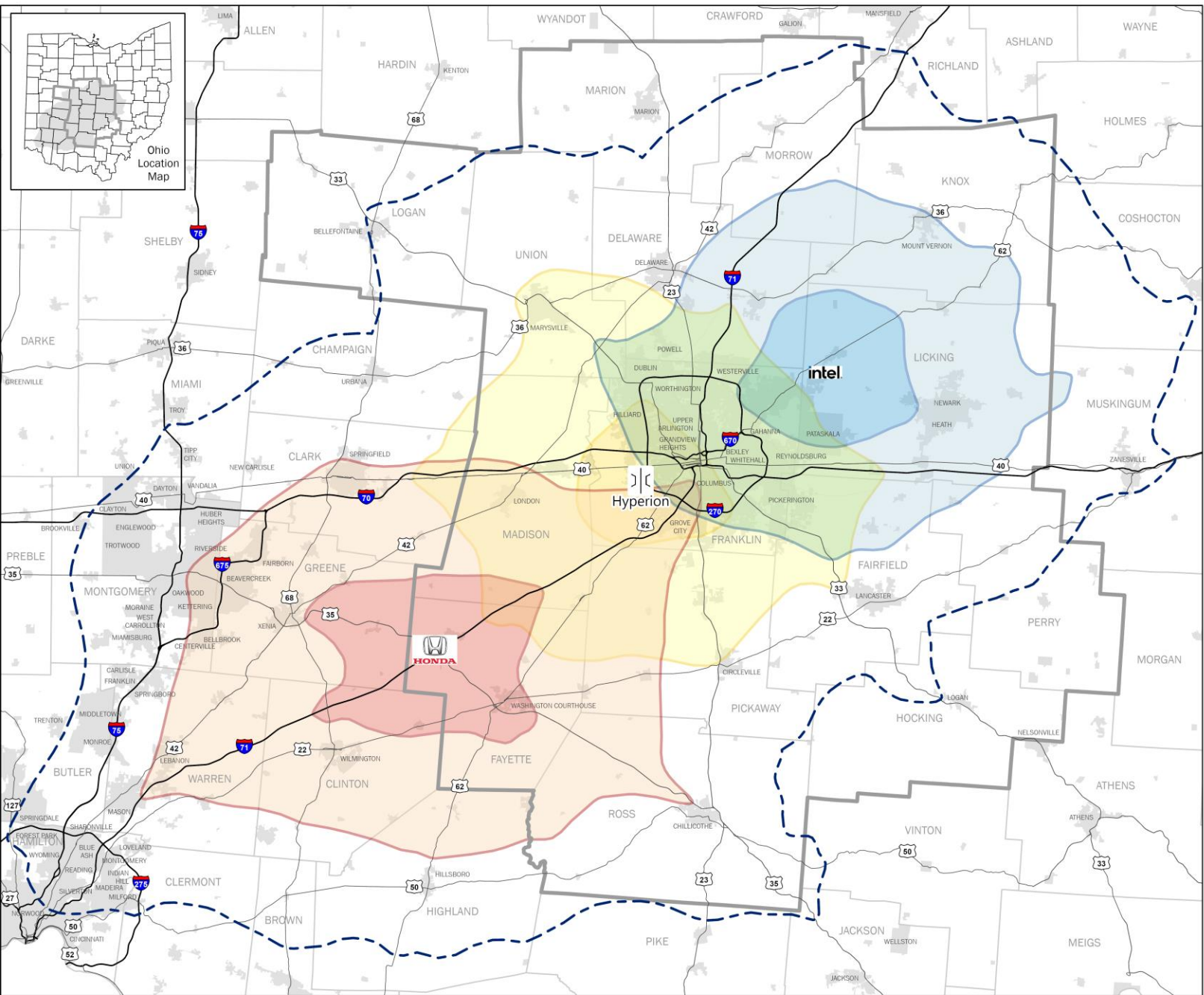
Katie Chang Contributor @

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Apr 14, 2024, 08:00am EDT





## Major New Development Driving Times

### Intel

- 20 minutes
- 40 minutes

### Honda

- 20 minutes
- 40 minutes

### Hyperion

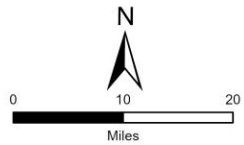
- 20 minutes
- 40 minutes

Within 60 minutes of a Development

MORPC Area

City/Village

Note: Travel assumed by car. Travel times are approximate from Intel, Hyperion, and Honda sites out at 5pm. Buffers generated using ESRI Network current conditions.



The information shown on this map is compiled from various sources made available to us which we believe to be reliable.  
 N:\ArcGIS\LOCAL\MajorDev\MajorDevDriveTimes.aprx  
 2/14/2023



# Environmental Protection Agency

- From 2015-22, Amazon Web Services (AWS) invested **\$6.3 billion** in its Ohio data centers
- In June 2023, AWS announced it planned to invest an additional **\$7.8 billion** in Ohio by 2030
- In 2017, Meta announced its initial multi-building data center campus in central Ohio that is LEED Certified Gold
  - Meta's total announced Ohio investment had grown to **\$1.5 billion** as of 2022
- In 2019, Google officially broke ground on a **\$600 million** data center in New Albany
  - In 2023, Google announced two new locations that will bring total investment to more than **\$2 billion**
- In 2021, the Tax Foundation's Location Matters report found Ohio **ranked #1** in new data center corporate tax costs

## Economic Impact of the AWS US East (Ohio) Region from 2015-2022

**\$6.3 billion**

Total investment in Ohio, including both capital and operating expenditures

**\$2.2 billion**

Estimated total gross domestic product (GDP) contributed to Ohio

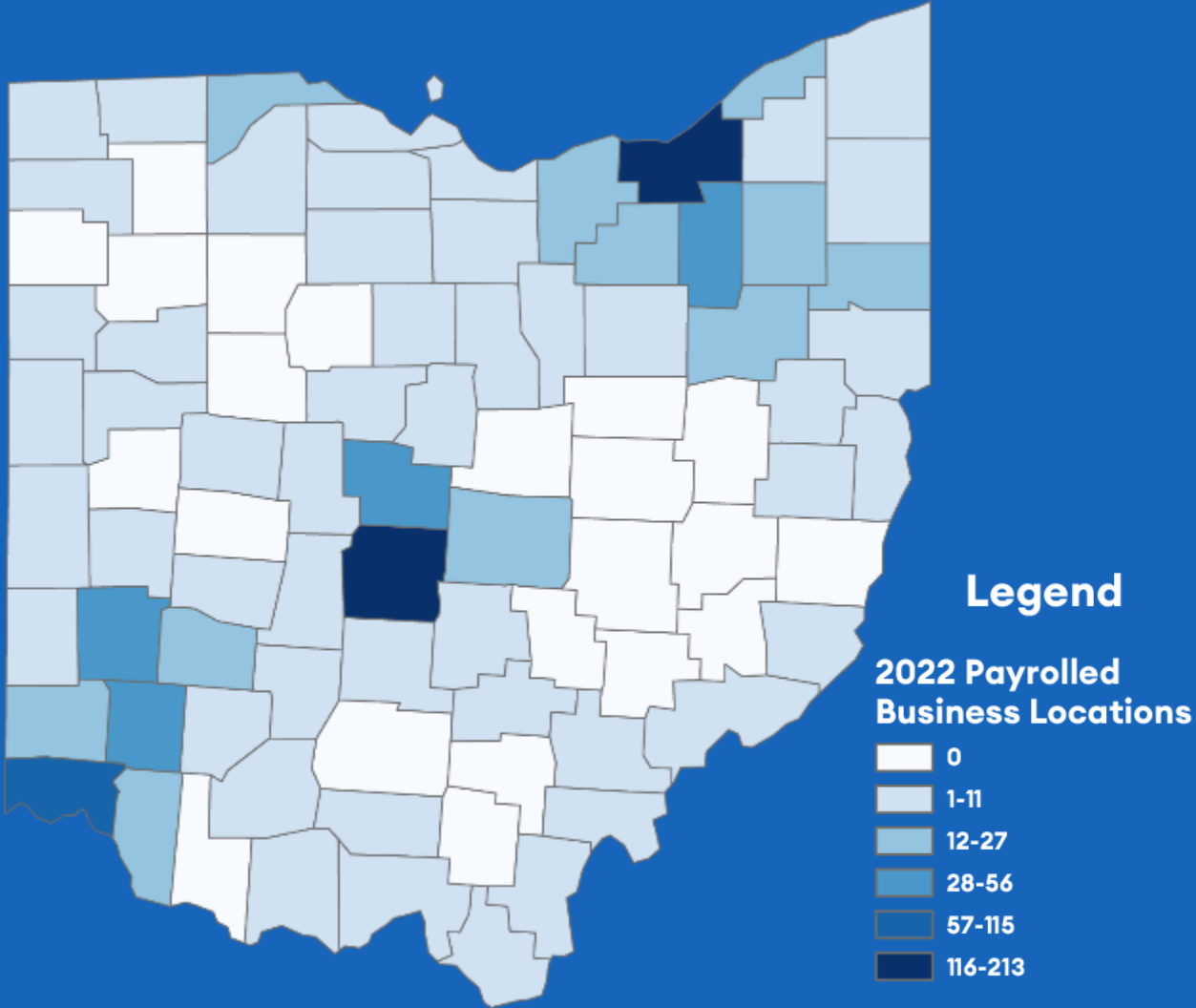
**3,550**

Estimated average full-time equivalent (FTE) jobs supported at local vendors annually in Ohio

## AWS Capital Investment in Ohio



# Dramatic Growth in the Data Center Industry over the Past Decade



## 3X Data Center Growth

In 2011, Ohio had 379 data center locations -

Today, there are over 1,100



Source: Lightcast, 2022 Payrolled Business Locations in NAICS 51-8210: Data Processing, Hosting, and Related Services  
This document is not a public record and its content should not be reprinted in any other document. Ohio Revised Code 149.43(A)(1)(bb) and 187.04(C)(1) and (2)



## WWTP-Treated Effluent as Process Water



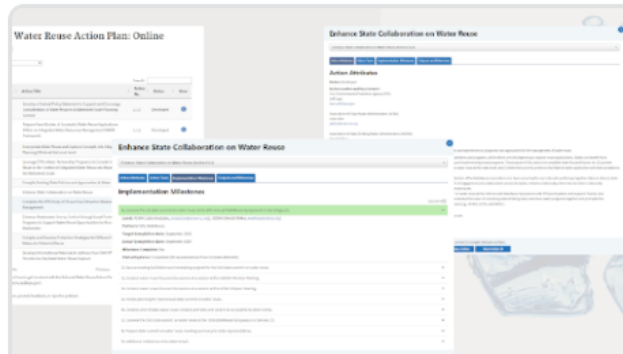
# About Water Reuse

Water reuse is the practice of reclaiming water from a variety of sources, treating it, and reusing it for beneficial purposes. It can provide alternative supplies for potable and non-potable uses to enhance water security, sustainability, and resilience. EPA's Water Reuse Program helps foster collaboration among water reuse stakeholders and helps advance water reuse applications across the United States. [Sign up for EPA's water reuse email updates](#) to learn about the latest activities and find opportunities to get engaged.



## REUSExplorer Tool

This tool contains summaries of state regulations and guidelines for a variety of water reuse applications.



## WRAP Online Platform

The WRAP Online Platform is an interactive tool that tracks and presents the progress of all constituent actions of the National Water Reuse Action Plan (WRAP).



## Resource Hub Organized by End-Use

This tool organizes useful information and resources for water reuse professionals by end-use.

# WaterReuse.org



 WATERREUSE  
ARIZONA



 WATERREUSE  
CALIFORNIA



 WATERREUSE  
COLORADO



 WATERREUSE  
FLORIDA



 WATERREUSE  
MID-ATLANTIC



 WATERREUSE  
NEVADA



 WATERREUSE  
NEW MEXICO



 WATERREUSE  
PACIFIC NORTHWEST



 WATERREUSE  
SOUTH CAROLINA



 WATERREUSE  
TEXAS



 **WATERREUSE**  
ARIZONA **WATERREUSE**  
CALIFORNIA **WATERREUSE**  
COLORADO **WATERREUSE**  
FLORIDA **WATERREUSE**  
MID-ATLANTIC **WATERREUSE**  
NEVADA **WATERREUSE**  
NEW MEXICO **WATERREUSE**  
OHIO



# Become a Member



Home \ Become a Member

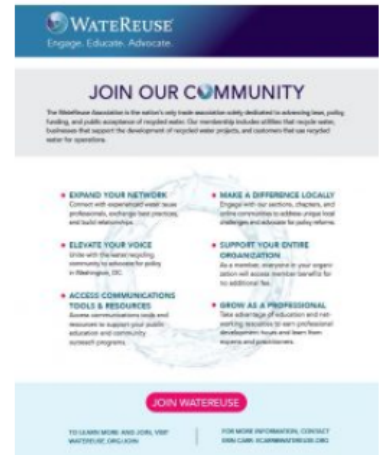
## Become a Member!

WaterReuse is the only national trade association dedicated solely to advancing laws, regulations, funding and public acceptance for water recycling. Our members include national leaders who are achieving water resiliency through policy, projects, innovation, education and knowledge sharing.

### Membership Categories

- Utilities
- Reuse Related Businesses
- Institutions and Not-for-Profit Organizations

With your organizational membership, an unlimited number of employees are eligible for member benefits. Not sure if your organization is a member? [Click here](#) to check. Please contact [Member Services](#) with questions.



Download Membership Flyer

# WaterReuse - Utility Dues



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<b>Tier</b>	<b>Population</b>	<b>Dues</b>
1	Fewer than 25,000	\$1,150
2	25,000 – 49,999	\$1,440
3	50,000 – 74,999	\$2,820
4	75,000 – 99,999	\$4,140
5	100,000 – 124,999	\$5,150
6	125,000 – 149,999	\$6,440
7	150,000 – 174,999	\$7,880
8	175,000 – 199,999	\$9,060
9	200,000 – 224,999	\$10,090
10	225,000 – 249,999	\$11,180
11	250,000 – 299,999	\$12,420
12	300,000 – 399,999	\$13,740
13	400,000 – 499,999	\$14,690
14	500,000 – 749,999	\$15,610
15	750,000 – 999,999	\$16,450
16	1,000,000 – 2,499,999	\$17,420
17	2,500,000 – 4,999,999	\$18,290
18	5 million +	\$19,230

# WaterReuse Ohio – Officers & Members



## Officers

**President - John Newsome,  
Columbus**

**Vice President - Brian Coghlan,  
Del-Co**

**Secretary - Patekka Bannister,  
Toledo**

**Treasurer - Andrew Sampson,  
MSD Cincinnati**

## State Agencies

- Ohio EPA
- Ohio DNR
- ODH
- ODA

## Utility Members

- Aqua Ohio
- Delaware County
- Euclid
- Heath
- Johnstown
- Licking Co SWCD
- Marysville
- Mason
- Mid-Ohio W&SD
- NEORS
- Piqua
- Southwest Licking W&SD
- Springfield
- St. Henry
- Sunbury

## Business Members

- American Structurepoint
- Arcadis
- Burgess & Niple
- CDM Smith
- EMH&T
- Eurofins
- Frost Brown Todd
- Hazen & Sawyer
- Intuitech
- Jacobs
- Jobs Ohio
- Kokosing Industrial, Inc
- McMahon Degulis LLP
- MS Consultants, Inc

## Institution Members

- Cleveland Water Alliance
- Licking Co Soil & Water
- OHIO811
- Ohio Business Roundtable
- Ohio Environmental Council
- Ohio Kentucky Indiana (OKI)
- Ohio Water Resources Center - OSU

## Coalition Members

- Amazon Web Services
- Intel



- **First Board Meeting took place May 29<sup>th</sup>**
- **Sub-committee interest, broken into 6 sub-categories:**
  - **Potable**
  - **Purple Pipe**
  - **Onsite**
  - **Outreach**
  - **Financial**
  - **Regulatory**

### **Proposed WaterReuse Sub-Committees**

#### **Potable**

Indirect Reuse (reservoir recharge, aquifer recharge)

Direct Reuse

Specifications

Infrastructure required (pipes, pumps, towers, etc.)

Treatment technology required

#### **Purple Pipe**

Irrigation Use

Agricultural Use

Industrial Use

Specifications

Infrastructure required (pipes, pumps, towers, etc.)

Treatment technology required

#### **Onsite technology required**

Gray Water/stormwater

Closed loop sewer mining

Industrial Use

Infrastructure Required

Treatment

#### **Outreach**

# DSW Priorities:

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- Consistency
- Transparency
- Predictability
- Customer Service
- REGIONALIZATION
- Water Reclamation/Re-Use
- Economic Development





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**H2O**hio  


# **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

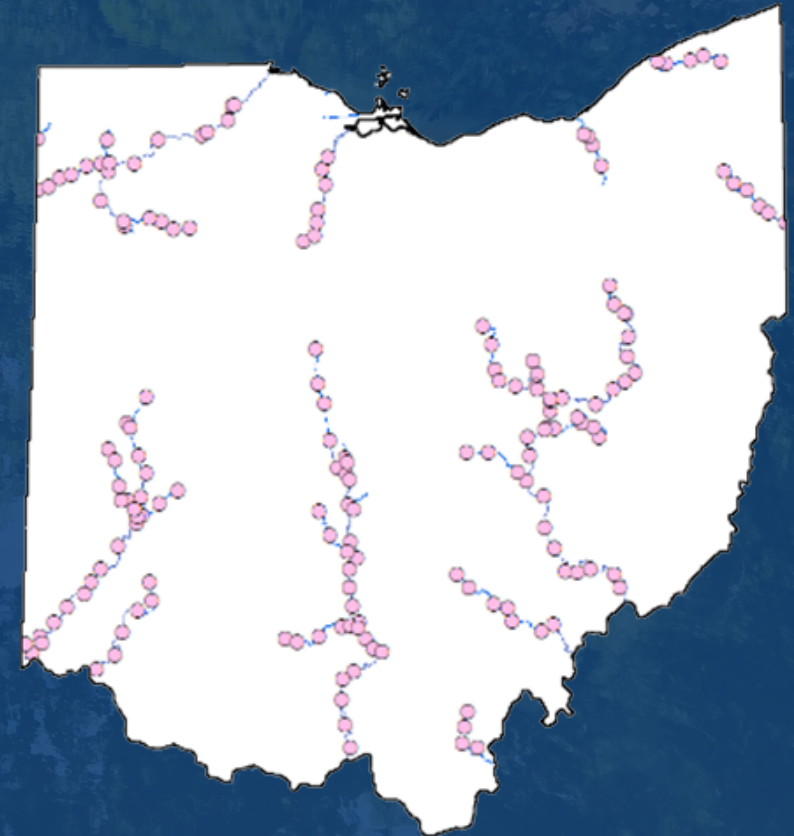


# H2Ohio Rivers Initiative



## Emerging contaminants assessment

- Ohio EPA contractors are collecting Fish tissue, Water Column, and Macroinvertebrate tissue samples for PFAS
- Sampling will re-start Spring 2024, completed Fall 2024
- 151 locations statewide, within our Large Rivers.



# 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



## Salt Equipment/Facility Upgrade Grants

- Applications closed January 31, 2024
- Currently evaluating proposals
- > \$14,500,000 in request



## Chloride Reduction Grant Program Recipients



# 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!!



# Early Stakeholder Outreach

## Recently completed:

- New nutrient rule(s): a method to assess nutrient impacts in streams
  - Staff are considering comments prior to drafting rule language
  - Outreach on method implementation will begin soon

## Up next:

- Pretreatment rules (OAC Chapters 3745-3 and -36)
- Lake Erie Aquatic Life Use (OAC 3745-1-03, -07, -31)
- Antidegradation (OAC 3745-1-05)

# Interested Party Review

## **Water Quality Variances rule (3745-1-38)**

- Public comment period to start this month.
- Outreach meetings will be held with representative dischargers.

## **Cuyahoga river beneficial use designations rule (3745-1-26)**

- Public comment period to start after Variances.

## **Several other rule packages coming within the next year**

- Stormwater, Permit to Install, Credible Data, NPDES, Implementation of Water Quality Standards, Biosolids/Sewage Sludge, Aquatic Life Criteria.



# To be final filed with JCARR

## Beneficial Use Designations Wave 3

- OAC 3745-1-10 Grand River
- OAC 3745-1-13 Central Ohio River tributaries
- OAC 3745-1-14 Ashtabula River
- OAC 3745-1-24 Muskingum River
- OAC 3745-1-27 Black River
- OAC 3745-1-28 Vermilion River

# Filed with JCARR

## Water Quality Standards methods rule (OAC 3745-1-03)

- Final filed July 10, effective October 10, 2024

## House Bill 175 rules

- Section 401 Water Quality Certifications (OAC 3745-32)
  - Rules 1-3 final filed July 10, effective July 20.
  - Rule 4 to be final filed July 22.
- Wetlands Water Quality Standards
  - Final filed July 10, effective Oct 10, 2024

# 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](#)
[Projects](#)
[Settings](#)
[Profile](#)

### 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 updates

## ePlans:

- Applications are now submitted through the eplans portal.
- Tips and tricks:
  - The portal will lock after 15 minutes of inactivity (soon to be 30). To check, click on the projects tab in the top right or refresh the browser.
  - Complete form A, then click “add.” this saves your progress and you can go back to add more forms.
  - If under 29 mb, please upload the plan set as one document by itself.
  - Forms completed on the portal do not need to be uploaded as PDFs.
  - Every submission should have an applicant role.
    - Applicant: The owner of the facility, business, corporation, company, etc. or the legal responsible entity.
    - Future Owner: The ultimate owner responsible for the installed system, if different than the applicant.

<https://epa.ohio.gov/divisions-and-offices/surface-water/permitting/wastewater-permit-to-install-pti-program>

## Wastewater Permit-to-Install (PTI) Program

A PTI is needed when a person wishes to construct any wastewater collection, storage, or treatment system or wishes to modify any existing wastewater collection, storage, or treatment system.

A PTI is required by [Ohio Revised Code 6111.44](#) and [Ohio Revised Code 6111.45](#) and rules in [Ohio Administrative Code 3745-42](#).

### Permit-To-Install Tracking

To check the status of any pending PTIs, please click the below link.

- [ePlans Permit-to-Install Tracking](#)
- [Permit-to-Install Tracking](#)

The PTI submission process will be moving to ePlans on April 15, 2024. PTI applications will continue to be submitted through liquid files until April 12, 2024. Instructions on how to submit will be included on this webpage under the "how to submit" tab prior to the launch date.

Expand All Sections

What's New? ▾

How to Obtain a PTI ▾

How to Submit a PTI ▲

To submit PTI applications through ePlans, please click on the link below and follow the instructions, [How to Submit a PTI Using ePlans](#).

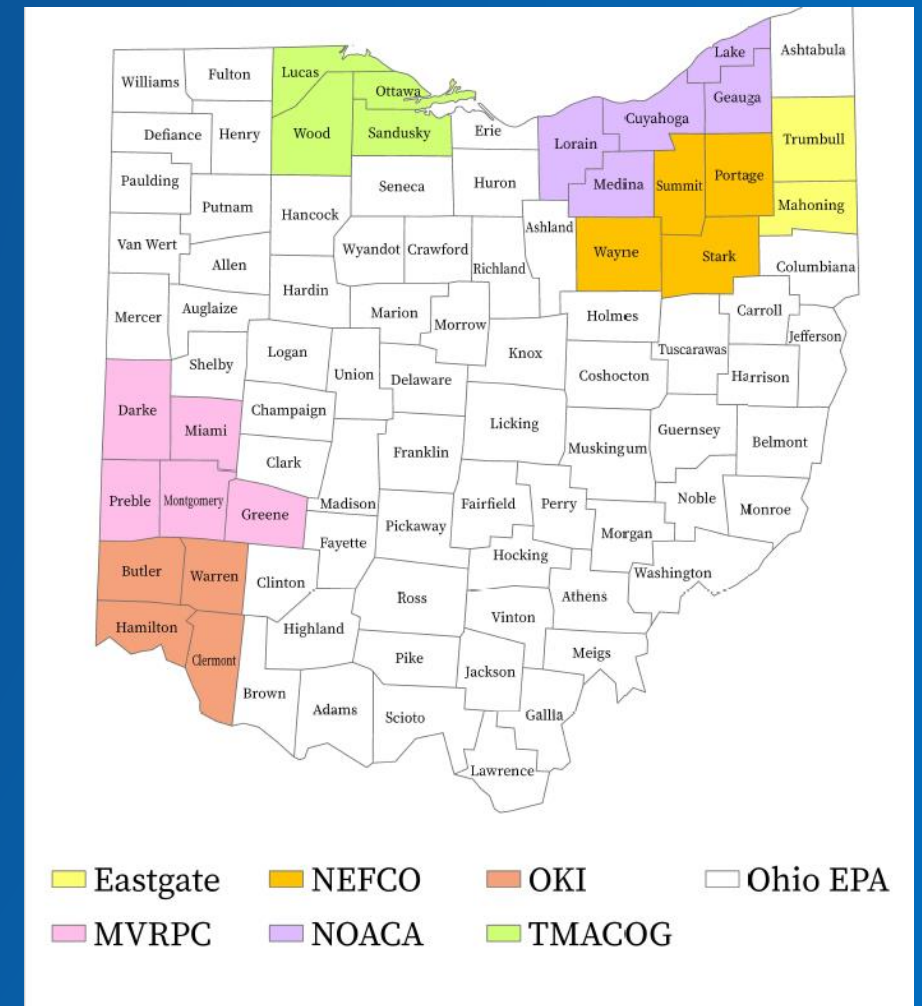
- [Division of Surface Water \(DSW\) ePlans](#)
- [PTI Signatory Form](#)



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# 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

- 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

# Administrative Process –Hearing Path

- If state asks for a hearing, it must be held.
- After the hearing the Regional Administrator can uphold the objection, modify it, or withdraw it. (*There is no timeline for this in 40 CFR*)
- After the Regional Administrator makes a decision, the state has 30 days to submit a revised permit.



# Priority Projects - Euclid

- 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 0.007 mg/L



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# Euclid Timeline

- Sept 8, 2021, R5 sent OEPA a general objection
- Nov 2, 2021, R5 sent OEPA a specific objection
- Nov 30, 2021, OEPA requested a hearing
- June 7 & 8, 2022, virtual hearing was held
- Sept 5-7, 2023, OEPA flew to Chicago for a 3-day negotiation with R5
- Nov 21, 2023, OEPA sent the draft MOU to R5 and has not heard back

# 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

# Most Common Questions

- Nutrient limits?
- PFAS?

# 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



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# What is Significant Noncompliance?

## Permit effluent limit violations

- Violations Exceeding Technical Review Criteria
  - 40% exceedance for conventional pollutants (e.g. BOD, TSS, ammonia, oil and grease)
  - 20% exceedance for toxic pollutants (e.g. copper, cyanide, chlorine)  
*Trigger — Two or more months in a six-month period*
- Chronic violations: any monthly effluent limit by any amount  
**Trigger — Four or more months in a six-month period**

# SNC = On the Regulatory Radar



# Thank You



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**Follow Ohio EPA on**

