

31st Annual Business & Industry's Sustainability & Environmental Health and Safety Symposium

March 29, 2022

**Carey Johnson, Director
Division of Water**



March 2022

To Protect and Enhance Kentucky's Environment

Kentucky Division of Water

Carey Johnson, Director
John Webb, Assistant Director

John Carlton
Administrative Assistant

Sarah Gaddis, PG
Environmental Scientist Consultant Senior

Carole Catalfo
Policy Specialist

Drinking Water Branch

Alicia Jacobs, Manager

Field Operations Branch

Connie Coy, Manager

Program Planning and Support Branch

Vacant

Water Quality Branch

Melanie Arnold, Manager

Surface Water Permits Branch

Jason Hurt, Manager

Water Resources Branch

Shawn Hokanson, Manager

Water Infrastructure Branch

Jory Becker, Manager

Watershed Management Branch

Bill Caldwell, Acting Manager

The mission of the Kentucky Division of Water is to manage, protect and enhance the quality and quantity of the Commonwealth's water resources for present and future generations through voluntary, regulatory and educational programs.

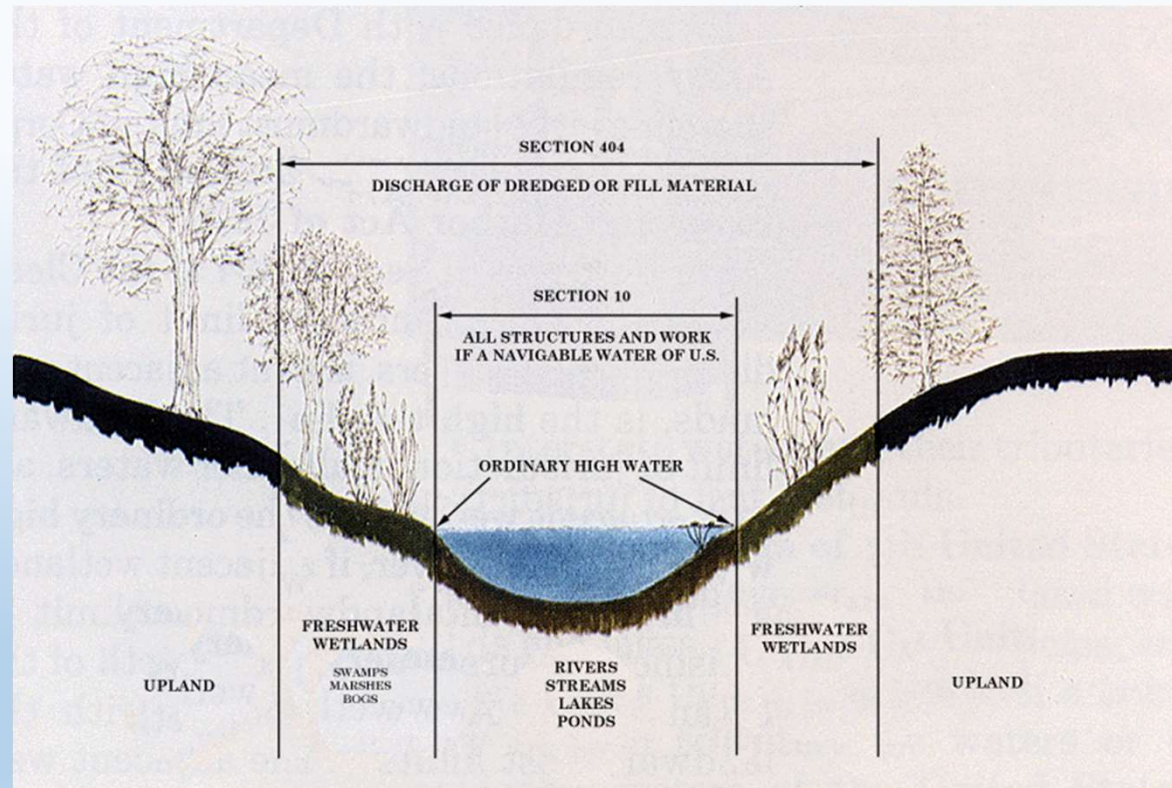
Kentucky Division of Water

- Oversight/management of approximately 50 water-related programs
 - Clean Water Act
 - Safe Drinking Water Act
 - Water Resources
 - National Flood Insurance Program
 - Floodplain management
 - Flood hazard mapping
 - Dam Safety
 - Water supply
 - Drought
- Partnerships and collaborations within Energy and Environment Cabinet
 - DNR, PSC, OKNP
- Partnerships and collaborations with federal agencies
 - EPA, FEMA, USGS, USACE, NRCS, USFWS
- Partnerships and collaborations with state and regional agencies
 - Dept. of Public Health, Dept. of Education, KDFWR, KYTC, Dept. for Local Government, KY Infrastructure Authority, KYEM, KGS, Area Development Districts



Waters of the US - WOTUS

- The Environmental Protection Agency and U.S. Army Corps of Engineers are interpreting “waters of the United States” consistent with the pre-2015 regulatory regime
- Operating under DOW and US Army Corps of Engineers long-standing regulatory regime
 - Jurisdictional waters - USACE broad-ranging authority
- Ongoing stakeholder engagement by USEPA and USACE
 - Intention in for “robust” rulemaking process
- All 401 Water Quality Certifications (WQCs) of Nationwide Permits (NWP) current



The Clean Water Act Regulates Discharge of Anything Into WOTUS

- Federal Water Pollution Control Act of 1972 (“Clean Water Act”)
 - Purpose: “restore and maintain the chemical, physical, and biological integrity of the Nation’s waters,” 33 U. S. C. §1251(a)
- Only applies to “Waters of the United States” (WOTUS)
 - the ‘jurisdictional limit’ of federal law
- Section 402 requires NPDES permits (point source discharge)
- Section 404 requires dredge and fill permits (rivers, streams, lakes, ponds, wetlands)
- Section 401 requires certifying authorities to consider whether the federally-licensed or permitted activity will comply with applicable water quality standards, effluent limitations, new source performance standards, toxic pollutants restrictions and other appropriate water quality requirements of state law
 - A federal agency may not issue a license or permit for an activity that may result in a discharge into a WOTUS without a water quality certification or waiver



DOW's Involvement in Water Infrastructure

- Regulatory
 - 401 KAR Chapters 4, 5, 8, 10, 11
 - 10 States Standards
 - Includes DOW WIB, DWB, FOB, WMB
- Technical, Managerial, and Financial (TMF) planning
 - Capacity Development Strategy
 - Sanitary Surveys
 - Water Resource Information System (WRIS)
 - SRF project ranking and Intended Use Plan (IUP)
 - MOU with KY Infrastructure Authority
- Compliance assistance and enforcement

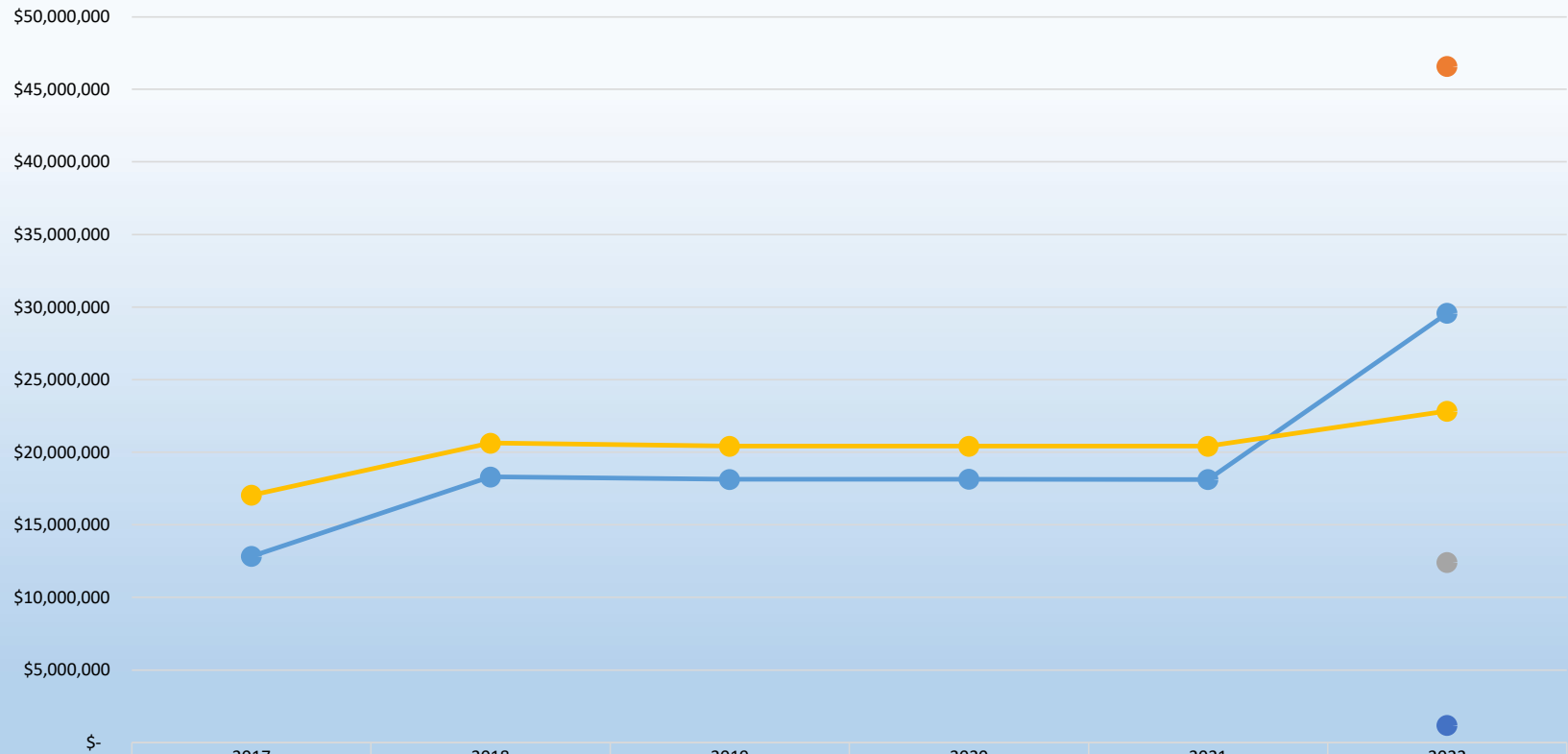


Bipartisan Infrastructure Law (BIL)

- Infrastructure Investment and Jobs Act (IIJA) = Bipartisan Infrastructure Law (BIL)
- Amends the CW and DW State Revolving Fund (SRF) legislation
- Reauthorizes programs for 5 years (FY22-FY26)
 - Clean Water General Supplemental
 - CWSRF Emerging Contaminants
 - Drinking Water General Supplemental
 - DWSRF Lead Service Line Replacement
 - DWSRF Emerging Contaminants
- Gulf hypoxia task force
 - Regional programs



State Revolving Fund (SRF) Funding



	2017	2018	2019	2020	2021	2022
Drinking Water SRF	\$12,830,000	\$18,303,000	\$18,132,000	\$18,144,000	\$18,127,000	\$29,587,000
DWSRF Lead Service Line Replacement						\$46,593,000
DWSRF Emerging Contaminants						\$12,425,000
Clean Water SRF	\$17,044,000	\$20,634,000	\$20,427,000	\$20,429,000	\$20,427,000	\$22,839,000
CWSRF Emerging Contaminants						\$1,199,000



Resilience Aspects of BIL

- Fully funds the Safeguarding Tomorrow Through Ongoing Risk Mitigation (STORM) Act
 - Provides state and local governments the ability to create resilience revolving loan funds to finance water, wastewater, infrastructure, disaster recovery, community and small business development projects
 - \$500 million over 5 years
- Funds FEMA Building Resilient Infrastructure and Communities (BRIC) program
 - \$1 billion over 5 years
 - In addition to 6% disaster allocation
 - FY21 BRIC NOFO open (closes 1/28/2022)
- Funds Flood Mitigation Assistance (FMA) grants
 - \$3.5 billion over 5 years
- Dam Safety
 - \$733 million over 5 years



Additional Opportunities

- NOAA Atlas 14 rainfall indices updates
- Drought contingency planning
- Unneeded dam removal
 - US Army Corps of Engineers has dedicated funding
- NRCS watershed restoration, flood prevention and emergency watershed protection programs



Key Takeaways from BIL

- Generational investment in water infrastructure and resilience
- Buy America, Build America will pose interesting challenges
- Funding sets the stage for the next 10-15, if not 20, years
- Upfront planning and collaboration needed
- Innovative thinking with an eye to the future will be rewarded



Division of Water
300 Sower Blvd
Frankfort, KY 40601
(502) 564-3410

Contact Information (water.ky.gov)

Director's Office	Carey Johnson, Director, 502-782-6990, Carey.Johnson@ky.gov John Webb, Assistant Director, 502-782-7126, John.Webb@ky.gov Sarah Gaddis, Environmental Scientist Consultant Senior, 502-782-6953, Sarah.Gaddis@ky.gov	General questions.
Drinking Water Branch	Alicia Jacobs, Branch Manager, 502-782-6987, Alicia.Jacobs@ky.gov	Maintains list of certified laboratories. Provides technical assistance to drinking water facilities. Ensures drinking water complies with federal and state regulations.
Field Operations Branch	Connie Coy, Branch Manager 502-782-6587, Constance.Coy@ky.gov	Inspects municipal and non-municipal facilities. Responds to reports of spills or bypasses. Investigates citizen's complaints.
Program Planning and Program Support Branch	Vacant	Accepts general public inquiries. Manages contracts and grants.
Surface Water Permits Branch	Jason Hurt, Branch Manager, 502-782-6167, Jasonm.Hurt@ky.gov	Issues KPDES permits to discharge stormwater from construction sites. Issues KPDES permits for wastewater discharges. Oversees pretreatment programs. Oversees Municipal Separate Storm Sewer Systems (MS4) program.
Water Infrastructure Branch	Jory Becker, Branch Manager, 502-782-6887, Jory.Becker@ky.gov	Issues construction permits for drinking water facilities and distribution lines. Issues construction permits for wastewater treatment facilities. Issues construction permits for sewer lines and extensions.
Water Quality Branch	Melanie Arnold, Branch Manager 502-782-6879, Melanie.Arnold@ky.gov	Maintains list of special use and impaired waters. Assesses the water quality of rivers, lakes and streams.
Water Resources Branch	Shawn Hokanson, Branch Manager, 502-782-6977, Shawn.Hokanson@ky.gov	Issues permits for construction in floodplain. Issues permits to construct dams. Issues §401 water quality certifications for construction in waters of the US.
Watershed Management Branch	Bill Caldwell, Acting Branch Manager 502-502-782-6906, Bill.Caldwell@ky.gov	Issues permits to withdraw water. Certifies well drillers and maintains well driller directory. Maintains database of water availability for use (quantity and quality).



Surface Water Update

David Emerman,
Assistant Chief



- Compliance – Significant non-Compliance
- Stormwater – New Industrial Stormwater General Permit
- Wetlands – Nationwide Permits
- Permits to Install – Process Improvements
- New website

U.S. EPA's National Compliance Initiative



U.S. EPA's (2018-2022) Strategic Plan identified a new priority: increasing compliance with environmental laws

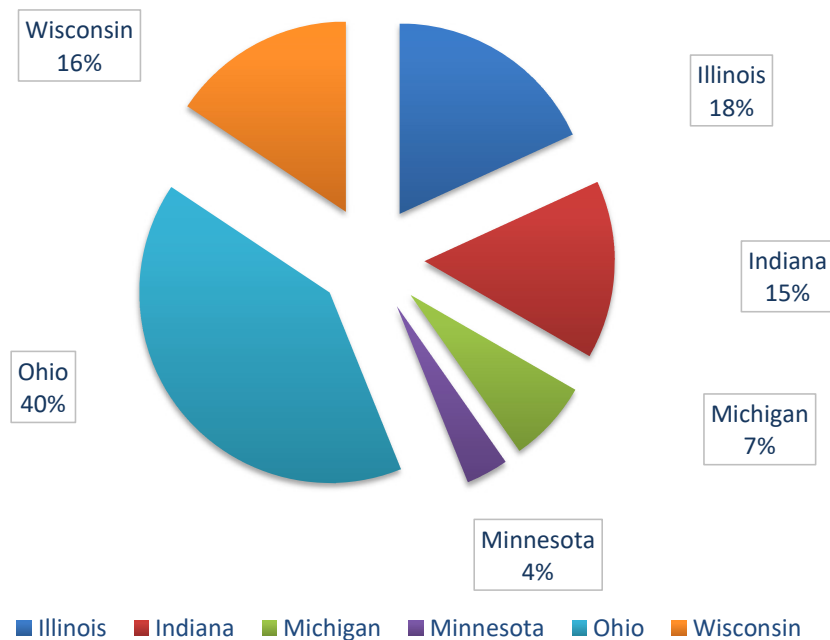


Maximize compliance over the next five years by focusing on areas with significant noncompliance (SNC) issues



U.S. EPA selected the Clean Water Act (CWA), NPDES program as its first focus

Region 5 Individual Permits



State	Permits	% of Universe
Illinois	1,453	18.1%
Indiana	1,214	15.2%
Michigan	558	6.9%
Minnesota	289	3.6%
Ohio	3,238	40.4%
Wisconsin	1,254	15.7%
Region 5 Total	8,006	100.0%

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

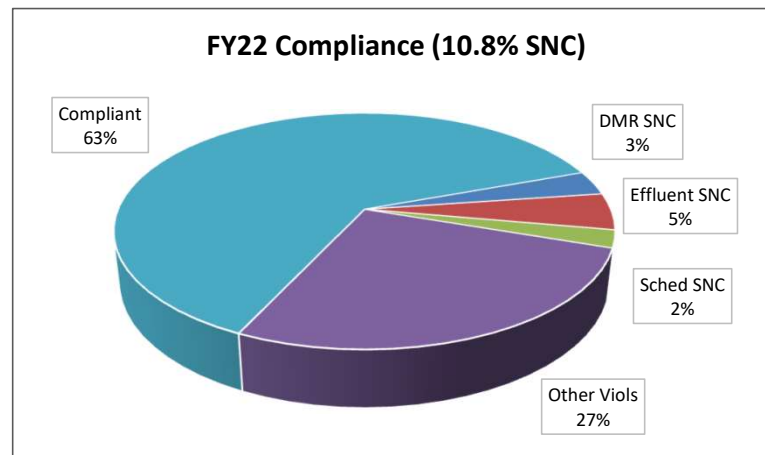
What is Significant Noncompliance?

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

Ohio's SNC rate

Ohio Yearly Compliance Averages						
Year	DMR SNC	Effluent SNC	Sched SNC	Other Viols	Compliant	% SNC
FY22	107	161	77	859	2004	10.8%
FY21	201	152	68	833	1963	13.1%
FY20	410	142	64	676	1915	19.2%





Industrial Multi-Sector General Stormwater Permit

Three major changes

- **Timing of Benchmark Monitoring:** Previous: 4 seasonal benchmark samples taken during the first 3-years. New: 4 seasonal benchmark samples taken within the first 2-years.
- **Monitoring after a corrective action:** facilities that exceed a benchmark must take corrective action and take an additional 4 seasonal benchmark samples during the next two years
- **Additional question in the Annual Report:** “Yes or No. Identify whether your facility used coal-tar sealcoat to seal paved surfaces where industrial activities are located during this reporting year?”

401s for Nationwide Permits

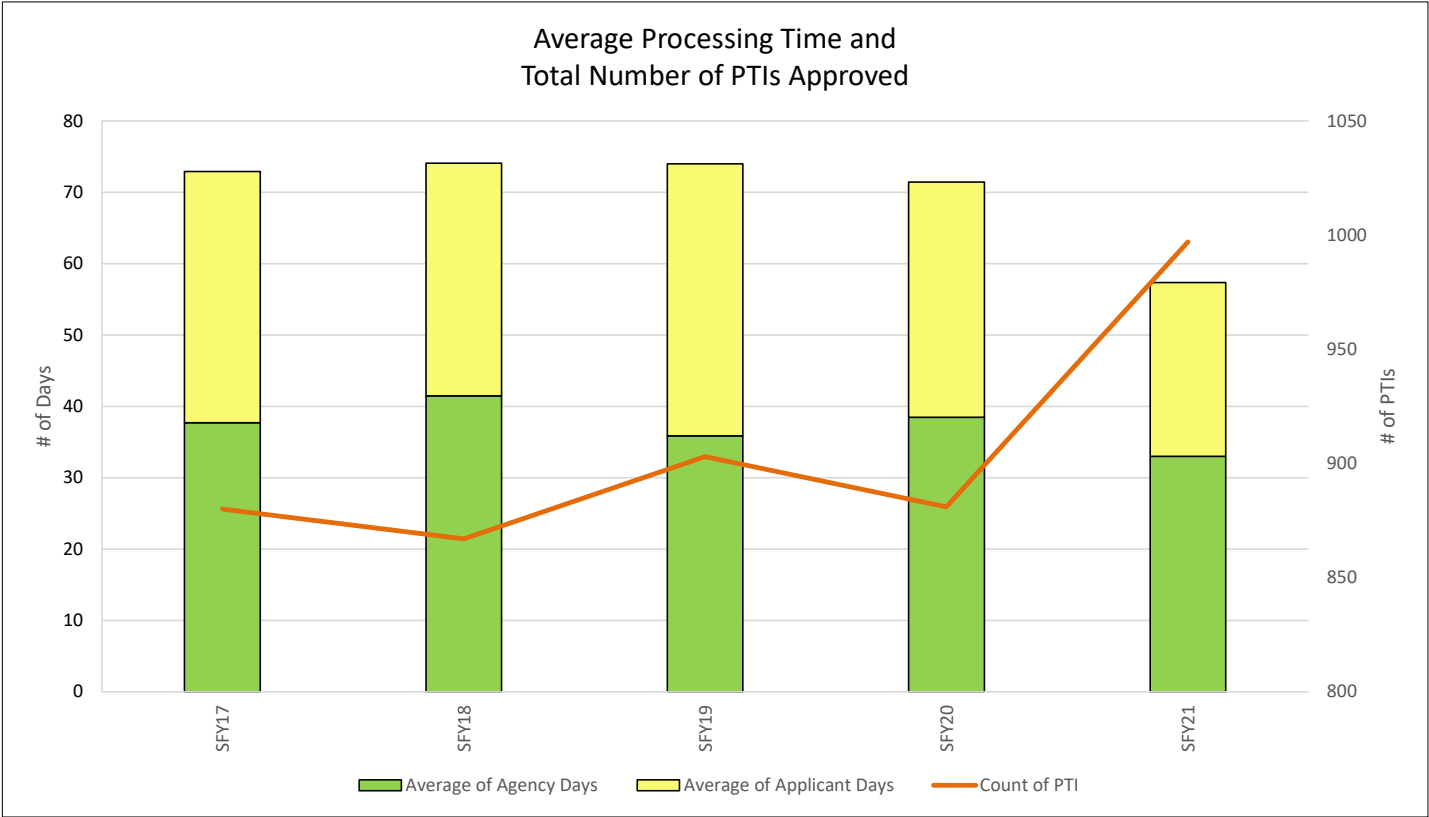


- On January 13, 2021, the U.S. Army Corps of Engineers finalized an early renewal of the 2017 Nationwide Permits in the Federal Register.
- A March 2021 renewal only issued Nationwide Permits for 16 activities instead of the originally proposed 56 activities - Corps contends that Ohio waived our 401 certification for these 16 activities.
- The Remaining 41 nationwide permits became effective Feb 25, 2022 – Corps accepted Ohio's 401 certification to these 41 NWP's on Feb 17th.

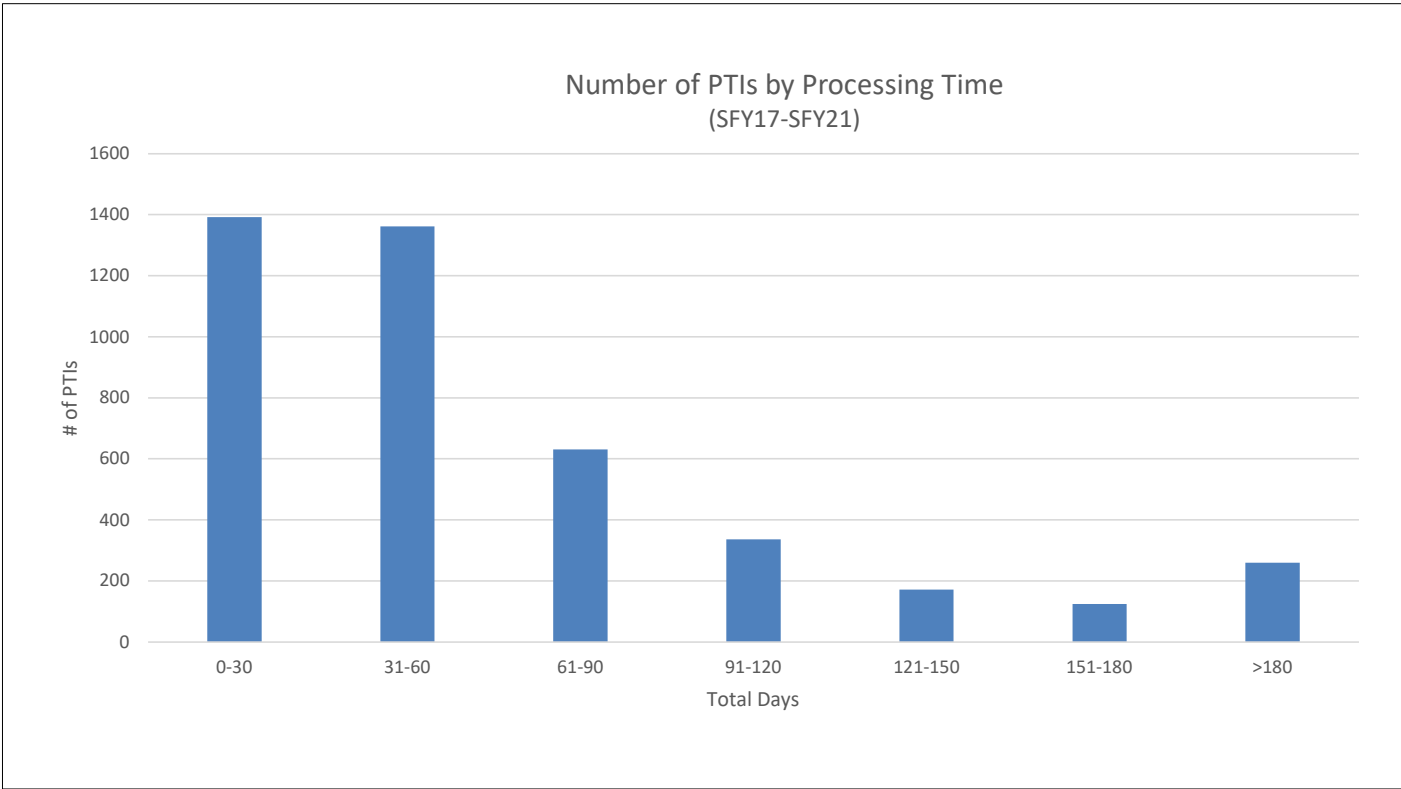


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|--|---|---|
| 1. Aids to navigation | 22. Removal of vessels | 43. Storm water management facilities |
| 2. Structures in artificial canals | 23. Approved categorical exclusions | 44. Mining activities |
| 3. Maintenance | 24. Indian tribe or state-administered Section 404 programs | 45. Repair of uplands damaged by discrete events |
| 4. Fish and wildlife harvesting, enhancement and attraction devices and activities | 25. Structural discharges | 46. Discharges in ditches |
| 5. Scientific measurement devices | 26. [Reserved] | 47. [Reserved] |
| 6. Survey activities | 27. Aquatic habitat restoration, establishment and enhancement activities | 48. Commercial shellfish aquaculture activities |
| 7. Outfall structures and associated intake structures | 28. Modifications of existing marinas | 49. Coal re-mining activities |
| 8. Oil and gas structures on the outer continental shelf | 29. Residential developments | 50. Underground coal mining activities |
| 9. Structures in fleeting and anchorage areas | 30. Moist soil management for wildlife | 51. Land-based renewable energy generation facilities |
| 10. Mooring buoys | 31. Maintenance of existing flood control facilities | 52. Water-based renewable energy generation pilot projects |
| 11. Temporary recreational structures | 32. Completed enforcement actions | 53. Removal of low-head dams |
| 12. Oil or Natural Gas Pipeline Activities | 33. Temporary construction, access and dewatering | 54. Living shorelines |
| 13. Bank stabilization | 34. Cranberry-production activities | 55. (A) Seaweed and Mariculture Activities |
| 14. Linear transportation projects | 35. Maintenance dredging of existing basins | 56. (B) Finfish Mariculture Activities |
| 15. U.S. Coast Guard-approved bridges | 36. Boat ramps | 57. (C) Electric Utility Lines and Telecommunication Activities |
| 16. Return water from upland contained disposal areas | 37. Emergency watershed protection and rehabilitation | 58. (D) Utility Line Activities for Water and Other Substances |
| 17. Hydropower projects | 38. Cleanup of hazardous and toxic waste | 59. Water Reclamation and Reuse Facilities |
| 18. Minor discharges | 39. Commercial and institutional developments | |
| 19. Minor dredging | 40. Agricultural activities | |
| 20. Response operations for oil or hazardous substances | 41. Reshaping existing drainage ditches | |
| 21. Surface coal-mining activities | 42. Recreational facilities | |

Permit to Install: Process Improvements



Permit to Install: Process Improvements





Welcome to Ohio EPA's website. We continue to make improvements to the site. For help navigating, or questions, please view our introductory webpage.

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Surface Water

Surface Water

Ensures compliance with the federal Clean Water Act and works to restore and enhance the integrity of Ohio's waters.

- Welcome
- Announcements
- About DSW
- Programs
- Financial Assistance
- Guides & Manuals
- Permitting
- Reports & Data
- Regulations
- Training



Maumee Watershed Nutrient TMDL Project

The western basin of Lake Erie has impaired public drinking water supply and recreation uses due to harmful algae. To address these impairments, Ohio EPA is developing a Maumee Watershed Nutrient TMDL.

[Learn More](#)

Featured Content

 Staff →	 Permit Resources →	 Eat Your Catch →	 Harmful Algal Blooms →	 Water/Wastewater Operator Certification	 Spill Hotline →
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Surface Water

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DSW Permitting

The Division of Surface Water administers three main permit programs for the protection of Ohio's water resources:

- [National Pollutant Discharge Elimination System \(NPDES\) Program](#)
- [Permit to Install \(PTI\) Program](#)
- [401 Water Quality Certification and Isolated Wetland Program](#)

Ohio EPA offers the Permit Wizard as a tool to assist small to medium-sized businesses determine their permit requirements. Also see pages 29-35 of the Ohio EPA Guide to Environmental Permitting in Ohio.

National Pollutant Discharge Elimination System

The NPDES requires a permit for a permit for all facilities discharging pollutants from a point source to a water of the state. Ohio EPA administers the following NPDES programs:

- Individual** — An individual NPDES permit is unique to a specific facility
- General** — A general NPDES permit covers facilities with similar operations and wastewater. A general permit is a potential alternative to an individual permit for facilities meeting certain eligibility criteria.
- Pretreatment** — The pretreatment program regulates industrial facilities discharging wastewater to publicly owned treatment works.
- Stormwater** — Stormwater discharge is generated by runoff from impervious areas such as paved streets, parking lots and building rooftops. Some stormwater discharges are considered point sources and require coverage by an NPDES permit.
- Biosolids** — Biosolids are the nutrients-rich organic materials resulting from the treatment of sewage. Proper disposal of biosolids may require a permit.
- Concentrated Animal Feeding Operation** — Livestock operations meeting certain criteria may require an NPDES permit.

Permit-to-Install Program

A Permit-to-Install (PTI) is needed for any installation or modification of a wastewater treatment, conveyance or disposal system.

401 Water Quality Certification & Isolated Wetland Program

The 401 WQC & Isolated Wetland Program evaluates projects that physically impact a stream, lake and/or wetland. Examples of physical impact include the dredging, filling or relocation of a water resource.

Filter the resources below by keyword or topic.

Search by keyword



Available Services <small>(What is this?)</small>			
Service	Action	Status	Facilities
Air Services	Request	Inactive	view/edit
Asbestos Services		Inactive	
Certified Operator Minimum Staffing Reporting		Inactive	
Conference and Events Registration	Request	Inactive	view/edit
Division of Surface Water Credible Data	Request	Inactive	view/edit
Division of Surface Water NPDES Permit Applications (STREAMS)		Inactive	
DMWM License and Registration Service		Inactive	view/edit
DMWM Solid Waste/C&DD Disposal Fees (Submit Report)	Request	Inactive	view/edit
DSW 401 Certification and Isolated Wetlands Permit		Active	view/edit
e-Discharge Monitoring Reports (eDMR)	Request	Inactive	view/edit
e-Drinking Water Reports	Request	Inactive	view/edit
Generic File Upload	Request	Inactive	
Hazardous Waste Report (eDRUMS)	Request	Inactive	view/edit
OEEF Grant Service (No PIN Required)	Request	Inactive	
Pay Ohio EPA Fees Online	Request	Inactive	view/edit
Water/Wastewater Exam Providers	Request	Inactive	
Water/Wastewater Operators	Request	Inactive	
Water/Wastewater Training Providers	Request	Inactive	

My Facilities Dashboard

- **Add Facility/Permit** – allows you to search for a facility by permit number or other identifiers and add it to your dashboard
- **Create New Permit Application** – Choose from 22 permit types to apply to and select the facility the permit is for and fill out the easy-to-use smart forms with the necessary information
- List of your Facilities -> click on a facility to navigate to the facility profile page

Ohio EPA - Division of Surface Water STREAMS sw-user

[Home](#) [Add Facility/Permit](#) [Create New Permit Application](#)

My Facilities






CITY OF CIRCLEVILLE (4GQ00026)	Facility Information	Delegate	Remove
e-DMR Test Facility 2 (0GRN00349, 0GS00209, 9DP00001, 9GR00001, 9GS00001)	Facility Information	Delegate	Remove
McClure WWTP (2PA00056)	Facility Information	Delegate	Remove

Beaverdam WWTP (1936) Facility Profile

Permit 2PB00018

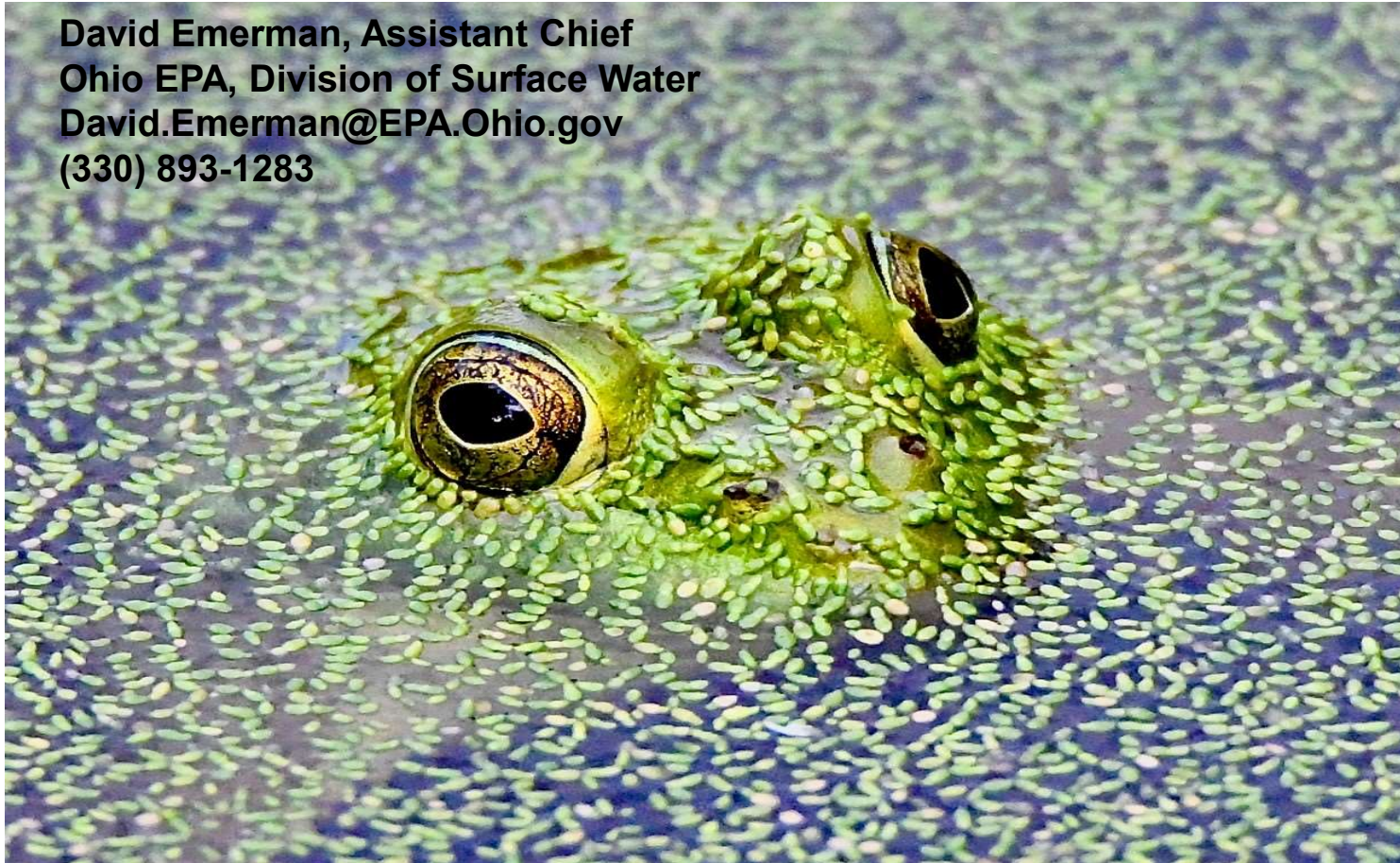
ID	Number	Type	Rating	Effective Date	Expiration Date	Status	Actions
257476454	2PB00018*ND	Municipal	NA	NA	NA	Draft	N/A
201224748	2PB00018*MD	Municipal	Minor	03/01/2017	02/28/2022	Active	Actions
191006541	2PB00018*LD	Municipal	Minor	02/01/2016	01/31/2017		

First Previous **1** 2 3 4 5 N

-  Renewal
-  Modify Permit
-  Transfer
-  Create Report
-  Download Permit

[Report](#) **1**

**David Emerman, Assistant Chief
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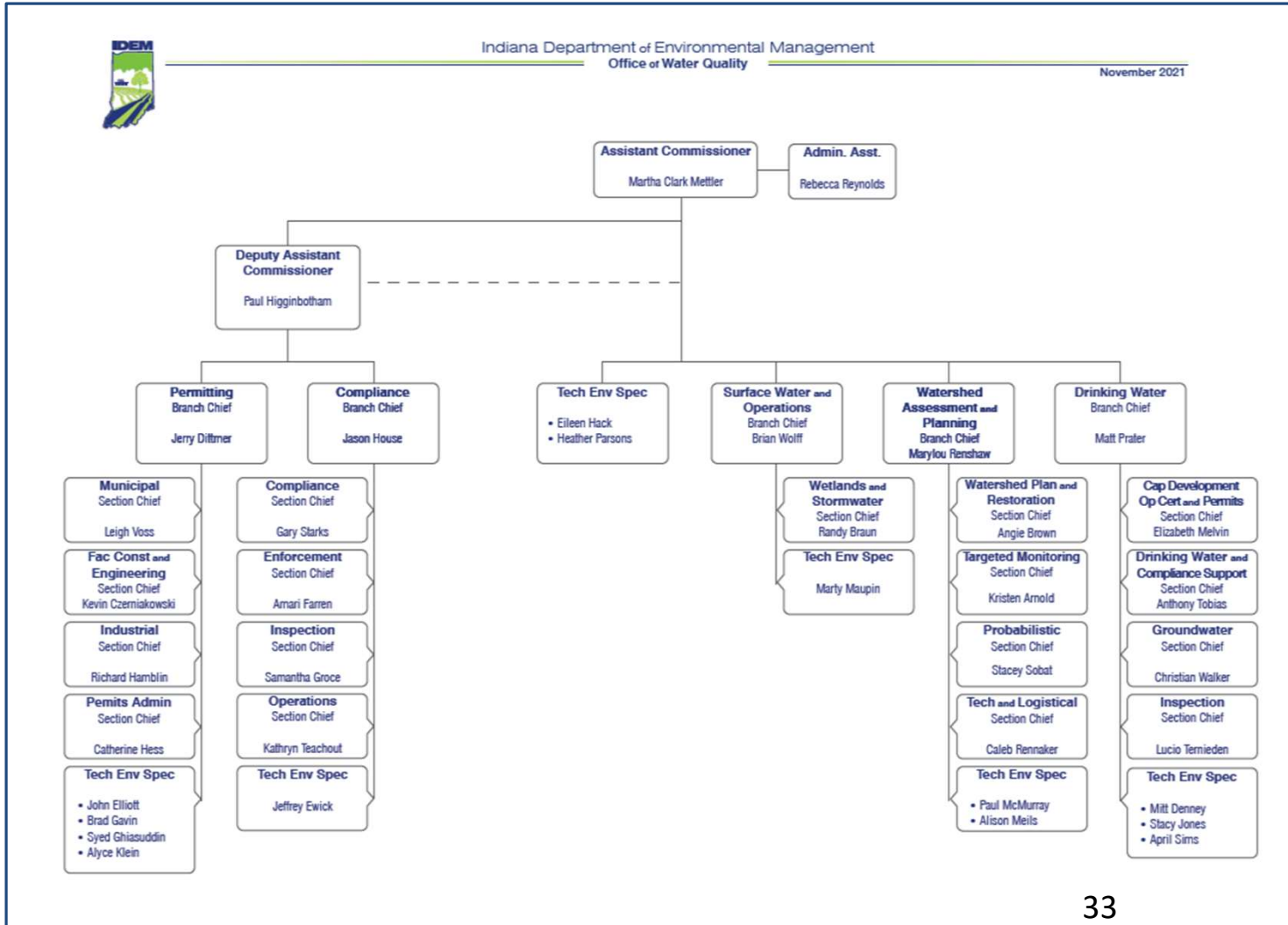


Office of Water Quality (OWQ) 2022 Overview

Martha Clark Mettler
Assistant Commissioner



Paul Higginbotham
Deputy Assistant Commissioner





Ambient Water Quality Standards (WQS) 2022 Initiatives

- Complete final steps to implement revised metals criteria:
 - Environmental Rules Board final adopted, and Governor signed
 - U.S. EPA has approved
 - Implementation in permits has begun
 - Selenium implementation guidance is available
- Progress with proposal to revise downstate WQS methodologies
- Review numeric nutrient criteria options
- Implement, with OLQ and DNR, the low head dam removal guidance
- Evaluate U.S. EPA criteria recommendations:
 - Ammonia criteria; Recreational criteria; Aluminum criteria
 - It is important to understand the implementation challenges associated with each



OWQ Compliance & Enforcement Branch

2022 Initiatives

- Proceed with updates to the wastewater operator certification rule
- Update wastewater operator exam questions in concert with Ivy Tech
- Complete all inspection commitments and, at the same time, meet the agency metric for completing inspection reports in seven days
- Continue to pursue the reduction of Significant Noncompliance (SNC) rates at NPDES permitted facilities
- Implement a new web-portal system for submission of sanitary sewer overflow and bypass reports



Drinking Water Branch

2022 Initiatives

Goal: Ninety-nine percent (99%) of the population served by Community Public Water Systems in Indiana receive water that meets all health standards

- Track and respond to proposed changes in federal statute/rule regarding lead
- Prepare systems for lead service line inventory requirements
- Improve the Drinking Water Watch website to make it more user-friendly and transparent
- Continue working with certified labs for electronic submission of data
- Complete sanitary surveys on time at all PWSs - average turnaround time is two days
- Work with systems on submitting MROs electronically
- Continue source water protection (SWP) efforts
- Assist community PWSs with cost benefit analysis, capital asset management, and cybersecurity planning.
- Continue PFAS sampling project at all CWSs – Phase 1 completed, and Phase 2 in progress



Permits Branch

2022 Initiatives

- Enhance permit quality, consistency, and defensibility through implementation of EPA recommendations and stakeholder feedback
- Training staff in permit writing/stream modeling and provide cross-training and mentorship opportunities
- Research/assess emerging wastewater treatment and collection technologies
- Refine use attainability analysis (UAA) process for combined sewer overflow (CSO) communities
- Update NPDES applications as required to comply with EPA's NPDES Application and Program Updates Rule
- Implement updated metals criteria in NPDES permits/stream models and support rulemaking to update related Water Quality Standards (WQS) methodologies
- Draft an administrative general NPDES permit for coal mining and abandoned mine land (AML) activities to replace the existing, out-of-date permit-by-rule



Surface Water & Operations Branch

2022 Initiatives

- Wetlands
 - Implement changes to wetland program to reflect changes to the State Regulated Wetland Law (SEA 389)
 - Interpret and implement changes to the definition of Waters of the U.S.
 - Start process for developing online application submittals
- Stormwater
 - Assist with transition of coverage to new general permits for construction stormwater and MS4s
 - Update the online permit submittal system (nViro)
 - Update the stormwater manual to reflect changes to the general permits
 - Start the process to update the industrial stormwater general permit



Watershed Assessment & Planning Branch

2022 Initiatives

- Distribute \$3 million in nonpoint source grant funds and manage 57 projects
- Complete work on the Vernon Fork Muscatatuck River TMDL
- Institute online QAPP tool and resources for external partners and the public
- Complete the following surface water monitoring projects:
 - Fixed station at 165 sites across the state;
 - Probabilistic monitoring in the East Fork White River Basin;
 - Fish tissue contaminant monitoring in the East Fork White River and Great Miami River basins;
 - Watershed characterization monitoring in Black Creek;
 - Cyanobacteria monitoring at 18 DNR lakes with 21 beaches and the Ft. Harrison dog park;
 - Reference site monitoring in watersheds across the state; and
 - Performance measures monitoring in targeted watersheds.
- Collect data from cool water streams to modify indices of biotic integrity
- Participate in the U.S. EPA regional stream monitoring network via collection of continuous stream and weather data to evaluate impacts of extreme weather on aquatic life use



Contact Information

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Biographical Information

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Ms. Newlon has been assisting companies for over 30 years in evaluating the environmental issues associated with their operations. She oversees environmental risk management in multi-million-dollar purchase, merger and financing transactions; chairs Superfund PRP Groups; serves as environmental crisis counsel on significant fire and spill incidents; and is national environmental audit counsel for chemical and manufacturing companies. She says that her degree in chemistry just helps her to properly pronounce the chemical names she works with every day, but she uses it to communicate most effectively with technical employees, consultants, expert witnesses and regulators. She holds a bachelor of science degree in chemistry from the University of Detroit and a JD from Notre Dame Law School.

Ms. Newlon has served as an environmental law lecturer for the Manufacturers' Education Council on environmental auditing and crisis management, for the International Council of Shopping Centers on Superfund landowner defenses and continuing obligations, for the Institute for Continuing Legal Education on environmental issues for small businesses, for the State Bar's Environmental Law Section on a variety of topics, for the Southwest Michigan Chapter of the Air and Waste Management Association on crisis management and state remediation law revisions, and for the National Brownfields Conference on siting renewable energy projects in Brownfields. Ms. Newlon served on the Michigan Department of Environmental Quality's Part 201 Workgroup to review Michigan's environmental remediation and redevelopment laws, on the State Bar's Environmental Law Section's Council and as Ethics Committee Co-Chair, and as Co-Chair of the Environmental Law Committee for the Southeast Michigan Chapter of the Federal Bar Association. Ms. Newlon also serves regularly as a presenter at Explorathon, encouraging girls to explore interests in math and science related fields and as a judge for the Research Symposium at the University of Detroit Mercy, where she has served on the Alumni Board to the College of Engineering and Sciences.

David Emerman, Assistant Chief, Division of Surface Water, Ohio EPA

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David Emerman is the Assistant Chief of the Division of Surface Water at Ohio EPA. He oversees the Division's Permit to Install, Wetlands, Enforcement, and Compliance sections. David is a graduate of Miami University and Cleveland Marshall College of Law. His previous work has included, serving as General Counsel of the Ohio Lake Erie Commission, an Assistant Attorney General at the Ohio Attorney General's Office, and an Environmental Technologist in Lincoln Electric's EHS department. David will be speaking about recent regulatory changes and process improvements within Ohio EPA's Division of Surface Water.

Biographical Information

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Martha Clark Mettler is the Assistant Commissioner of the Office of Water Quality (OWQ) at the Indiana Department of Environmental Management (IDEM). In the position since 2015, Ms. Mettler co-leads and oversees the approximately 170 staff who implements the Safe Drinking Water Act and Clean Water Act programs in Indiana. Martha has been with IDEM in the Office of Water Quality since 1995.

Martha has a Master of Planning in Environmental Planning from Indiana University and a Bachelor of Science in Public Affairs from Indiana University.

Carey Johnson, Director, Kentucky Division of Water
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Carey is an experienced environmental professional in the government administration industry and skilled in Program/Project Management, Strategic Planning, Leadership, and Relationship Building. Over 19 years of experience in Floodplain Management and Flood Hazard Mapping. His activities include: Kentucky Silver Jackets, the Kentucky Hazard Mitigation Council, the Technical Mapping Advisory Council (TMAC), the National Dam Safety Review Board, the Ohio River Basin Alliance (ORBA), and the Ohio River Sanitation Commission (ORSANCO). Founding member and past chair of the Kentucky Association of Mitigation Managers (KAMM) and current chair of the Association of State Floodplain Managers (ASFPM). Certified Floodplain Manager (CFM) Experienced environmental professional in the government administration industry.

Carey has been with the Kentucky Division of Water for over 20 years, serving as the Director since May 2021 and Assistant Director from November 2018 to May 2021.

From the University of Kentucky, Carey has a MS in Plant and Soil Science and a B.S. in Plant and Soil Science.