

One Water

Ohio EPA

Drinking Water Program Update

August 28, 2014

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Overview

<http://epa.ohio.gov>



HAB Funding Opportunities

- **One Million Dollars for Laboratory Equipment and Training**
 - Up to \$10,000 for each public water system using surface water to test for microcystin and other cyanotoxins
- **\$50 Million in 0% Interest Loans for Infrastructure Improvements to Address HABs**
 - Treatment for Algae Toxins
 - Alternative Water Sources
 - Interconnections with Other Public Water Systems
 - Additional Storage
- **\$150 Million in 0% Interest Loans for Waste Water Treatment Plant improvements to Remove Nutrients**

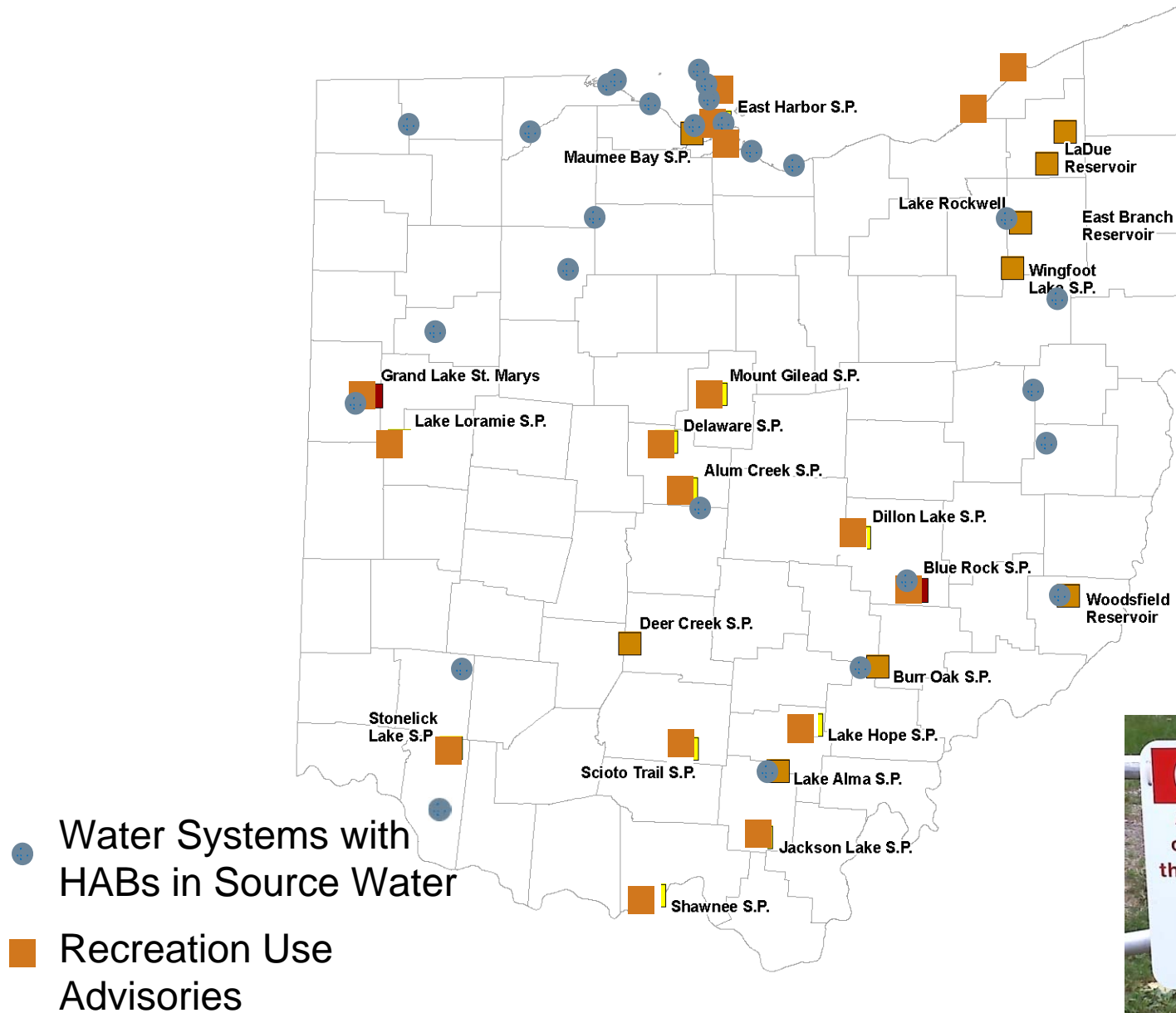


Drinking Water Adverse Impacts

- Toxin production
- Taste and odor problems
- Increased organic carbon load
- Dissolved oxygen dips
- Nuisance
- Costs to Communities



Ohio Harmful Algal Blooms (HABs) 2010 - 2013



Harmful Algal Bloom Strategy

- Ohio EPA began Sampling for Cyanotoxins at PWSs in 2010
- Ohio EPA worked with ODNR and ODH to establish a State of Ohio HAB Response Strategy in early 2011
 - Standardized definitions, sample collection procedures, cyanotoxin thresholds, and public notice language
- Drinking Water HAB Response Strategy updated annually



Algal Toxin Sampling at Public Water Systems

- There are no National Standards for Cyanotoxins
- Public Water Systems are Not Required to Monitor
- Ohio EPA is Encouraging Public Water Systems to develop their own monitoring Capability
- Ohio EPA Samples Public Water Systems for Algal Toxins based on Presence of a Bloom



State & National Leadership

- Routine Outreach and Technical Assistance to Public Water Systems (including sampling)
- Ohio Instrumental in Establishing two National HAB forums (CDC – ASDWA)
- Invited to address U.S.EPA National Drinking Water Advisory Council and U.S.EPA Deputy Administrator
- Currently working with U.S.EPA research lab on cyanotoxin treatment investigation (focus on Lake Erie PWSs).



Vision: Public Drinking Water

- **State and federal safe drinking water requirements are self-implemented by public water systems with the capability, resources, and commitment to provide safe drinking water and to sustain long-term compliance with requirements.**
- Ohio EPA, in cooperation with USEPA and other partners establishes requirements, provides information and guidance, ensures compliance, supports research and education to help ensure the provision of safe drinking water.



Capability Assurance

Technical, Financial, and Managerial Capability

- Knowledgeable Operators
- Informed Decision Makers



Asset Management

- Inventory and Evaluation of Assets
- Operation & Maintenance Programs
- Infrastructure Rehabilitation and Replacement Plans
- Water Demands & Approved Capacity Projections
- Capital Improvement Planning
- Long Term Funding Strategy



Contingency Planning

“Stuff” Happens!

Be Prepared!

Update and Exercise & Use Your

Contingency Plan

Source Water Protection Plan



Rule Making Update

- Backflow, Plan Approval and Consumer Confidence Report -2nd comment period in Fall
 - Revised rules and will send out for another comment period in Fall
 - Significant revisions to surveys and investigations rule (included alternatives to onsite investigations)
 - Added revisions to rule on booster pumps,
 - Includes rule by reference to revised Backflow Prevention & Cross-Connection Control Manual
 - Clarified provisions for self-certification of plans and CCRs



Rule Making Update

- Operator Certification Rule – public hearing and comments due on 9/3/14
 - allow operator with Class A certificate that passed Class I water supply certification exam, but does not have required experience, to be operator of record for certain Class I systems when specific conditions met
- Laboratory Certification – propose with JCARR this Fall
 - Revised laboratory certification manuals and updated rule by reference to manuals
 - adopt new analytical methods & add provisions for upcoming RTCR



Rule Making Update

- Water Well Standards and Plan Approval – start interested party review this Fall
 - Added new definitions, consolidated and streamlined rules, and revised to be consistent with private water system rules
 - Clarified requirements for general plan approval, added new exemptions for plan approval, revised Guidelines for Design of Small PWSs (Greenbook) and updated references to Ten States



Rule Making Update

- Revised Total Coliform Rule (RTCR) – Interested Party Review this Fall
 - Significant changes for small ground water and seasonal systems
 - Find and Fix approach – assessments required following TC+ or E. coli MCL
- Primary Drinking Water Standards and Plan Approval – propose with JCARR this Fall
 - Minor revisions to clarify lead and copper, record maintenance and plan drawing requirements, remove Stage 1 D/DBP requirements



Rule Making Update

- Consecutive System, Operational Requirements and Operator Certification Amendments – Interested Party Review this winter
 - Clarify requirements for consecutive systems that install secondary disinfection (e.g., hospitals that install treatment for Legionella)
 - Clarify operational requirements
 - Revise operator certification rules to clarify classification of systems



Save a Dime, Sample on Time!

- New Ohio EPA program to provide a deterrent to violations and increase public health protection.
- More expensive to fail to sample than it is to sample.
- Beginning January 1, 2014, there will be a penalty of \$150 or more for each monitoring violations. (NOVs after 1st qtr)
- Don't put your consumers at risk, sample on time!



Lab Oversight Update

- Assessing reporting compliance for laboratories
- May 28, 2013 informational letter to laboratories
- Will issue routine Notices of Violation to laboratories for reporting violations
- May result in further enforcement



Questions?

<http://epa.ohio.gov>

