



Ohio River Basin Trading Program: Quarterly Update

**August 11, 2010
Public Webcast**

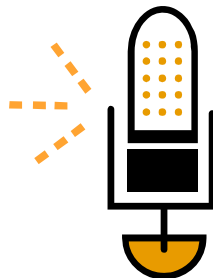
Jessica Fox
Project Manager
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Webcast Recording Details

Webcast Recording URL:

<https://www.livemeeting.com/cc/epripremier/view>

Recording ID: **TradingQ310**



Project Highlights

Last Webcast:

- Program Organizational Structure
- Stakeholder Engagement Update
- Interstate MOU
- MOU Executed with USDA & EPA: Ecosystem Services
- Atmospheric Deposition: Linking Air Quality and Watershed Models

This Webcast:

- General Project Updates
- Summary of Outreach to Agriculture
- Collaborator: Ohio Farm Bureau Federation

Project Collaboration



Electric Power Research Institute

American Electric Power

American Farmland Trust

Ohio Farm Bureau Federation

Hoosier Energy

Hunton & Williams

Kieser & Associates

Miami Conservancy District

ORSANCO

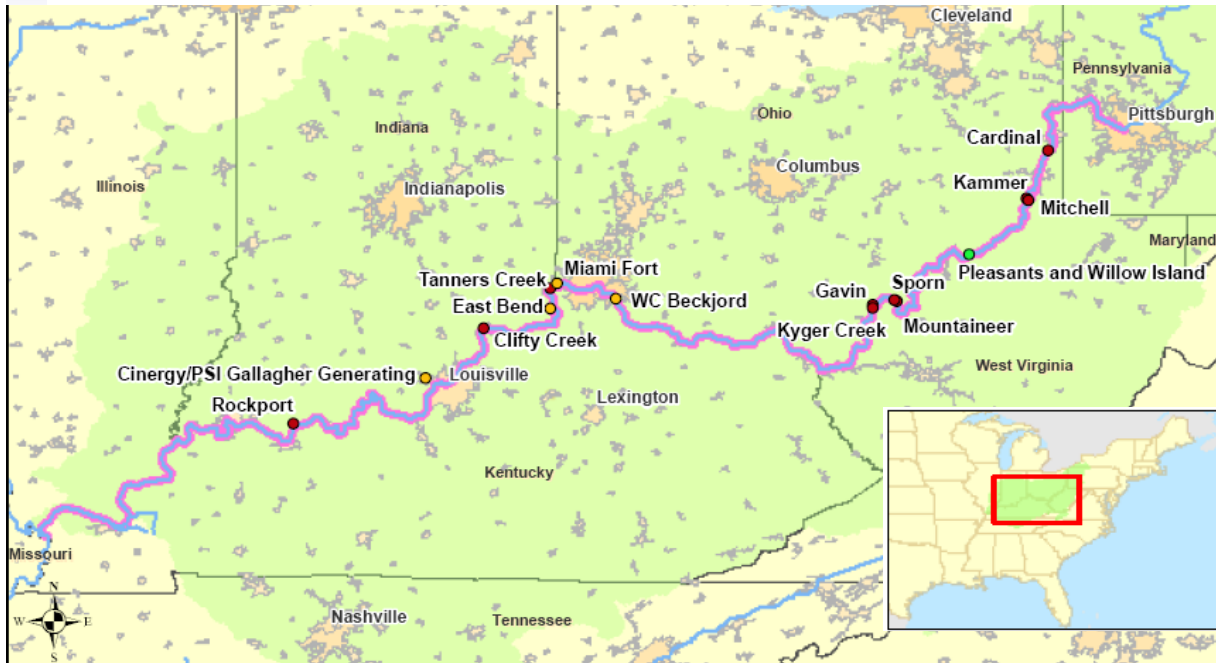
Tennessee Valley Authority

Duke Energy

EPA

USDA

Project Area



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Algal Blooms in Ohio

Thursday, July 29, 2010 Farm & Diary

Hot, humid weather causing unhealthy algal blooms in Ohio ponds, lakes

COLUMBUS, Ohio — Harmful algal blooms, like those affecting Grand Lake St. Marys, are popping up in ponds and small lakes throughout Ohio, and [Ohio State University Extension](#) educators are encouraging landowners to protect their family, pets and livestock.

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Algal Blooms in Ohio

August 6, 2010 Ohio EPA News Release

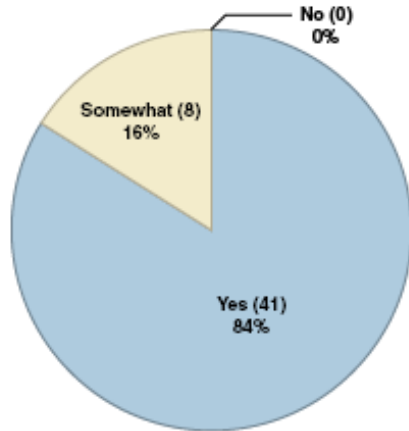
At this time, the state recommends people do not contact the water, do not allow pets to contact the water and do not take boats onto the lake. Additionally, Ohio EPA urges people not to eat fish caught in Grand Lake St. Marys.

Algal Blooms in Ohio

- **3 more state parks issue warnings on toxic algae**
- Tuesday, August 10, 2010 11:24 PM
- By [Spencer Hunt](#) and [Jim Woods](#)
The Columbus Dispatch
- Fear of toxic algae spread to three more state parks today.
- Lake Hope State Park (Vinton County)
- Dillon State Park (Muskingum County)
- Shawnee State Park (Scioto County)

Project Vision

To improve water quality by establishing water quality trading as an economically, socially, and ecologically viable approach in the Ohio River Basin.

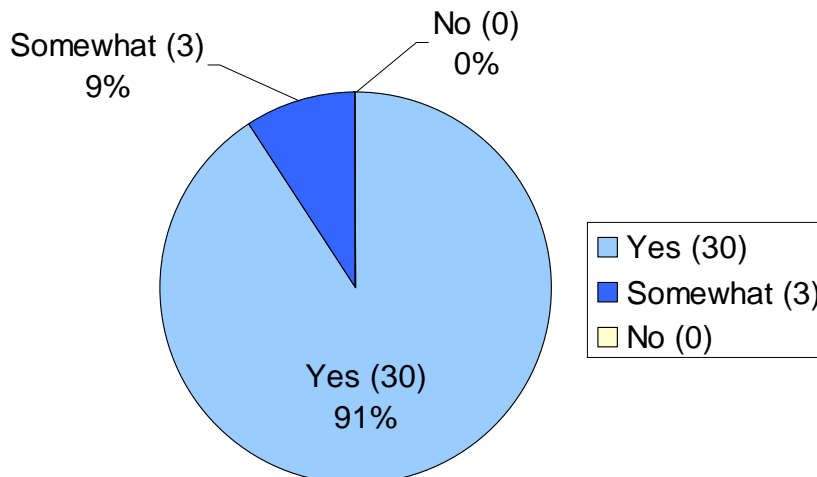


The draft vision statement resonates with me and I will be interested in engaging with this effort (tracking, participating, supporting)?

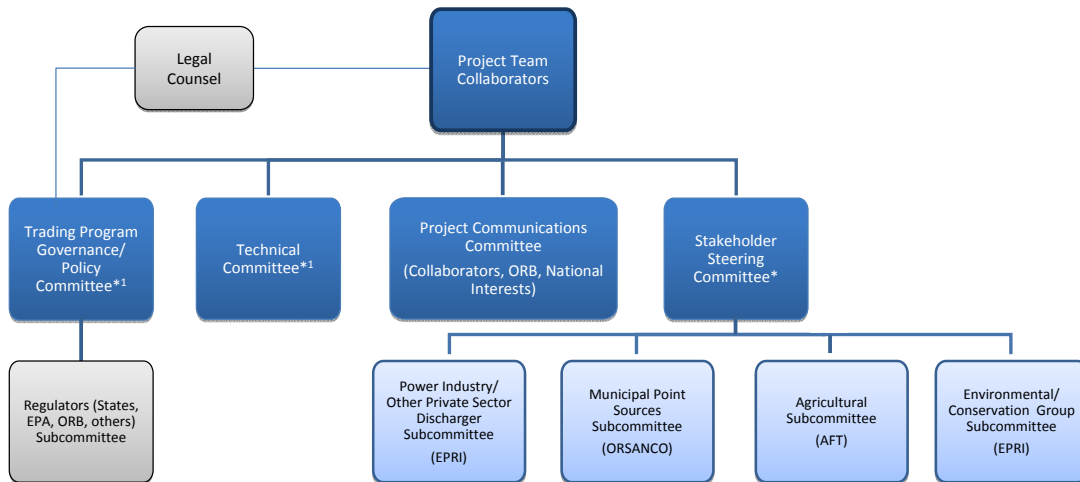
Polling Question

Polling Question

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Organization Structure - Draft



*(Minimum of one member of each subcommittee + collaborators)
¹ MCD participation

Interstate MOU in Ohio River Basin

- Purpose: To support the development of an interstate water quality trading program for the Ohio River Basin.
- States Invited: Illinois, Indiana, Ohio, Pennsylvania, New York, Kentucky, Virginia, Tennessee and West Virginia.
- This MOU provides a framework for the Parties to work together toward their shared goals of restoring and protecting water quality in the ORB.

**UPDATE: Presented to States in June
Still Circulating For Input**

Project Website Revamp

- Overview
- Funding Opp
- Quarterly Upd
- Credit Stackin
- Watershed M
- Related EPRI
- Project Collab
- In the Media
- Project Sched
- Reference Sh

Project Conte

EPRI supports a the development end, we invite fee suggestions on feel free to send

For Technical or

The Ohio River Basin Trading Project: Designing for Agriculture



What Is Water Quality Trading?

Regulatory agencies are responsible for setting water quality standards that will ensure safe, clean water for the benefit of the public and the environment. Commercial operations such as manufacturing, power plants, industrial processes, and wastewater treatment facilities hold permits issued by regulatory agencies that allow for appropriate discharges into water bodies (rivers, lakes, streams). Water quality trading (WQT) is a market-based approach in which permitted dischargers are allowed to meet their permit limits by purchasing water quality improvement credits from another source.

In a water quality trading program, non-regulated discharges, typically non-point sources, may voluntarily generate and sell water quality credits to permitted dischargers (point sources). Farmers, considered non-point sources, participate in water quality trading by implementing agreed-upon conservation practices to generate water quality credits that they can sell.

Through water quality trading, the permitted facilities have flexibility to cost-effectively meet their environmental requirements while sparing rate payers and utility customers higher bills. Farmers receive the money they need to implement and maintain new conservation practices.

Many agricultural producers in the Ohio River Basin already know about the benefits of using conservation practices in their operations. Some of those advantages include better soil,

program, once trading begins, to optimize the water quality benefits and

download directly from EPA. The model is used for decision-support in watershed management and for regulatory activ-



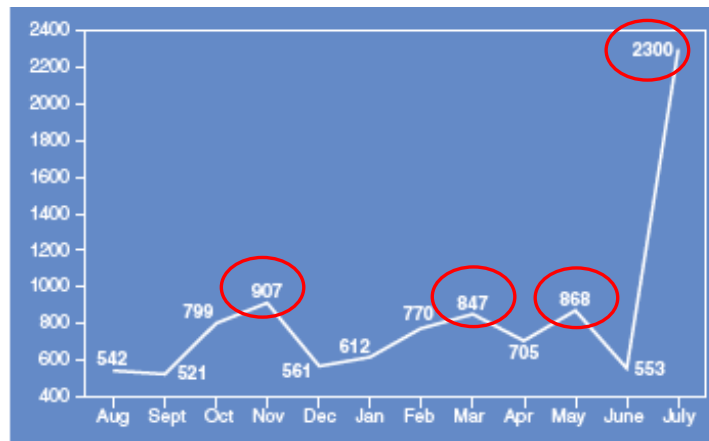
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Stakeholder Outreach

- Agriculture
- Wastewater Treatment Plants
- Power Plants
- States
- Environmental Groups

Primary focus is developing communication process and forming steering committees.

Website Activity



Agriculture Outreach

1. Bluffton, IN (CTIC, SWCD, Indiana Farm Bureau), March 2010
 2. Terre Haute, IN (CTIC, SWCD, Indiana Farm Bureau), March 2010
 3. Columbus, OH (Host OH DNR & OFSWCD), July 2010
See Lawrence Burdell, President OFSWCD said about the meeting: www.youtube.com/user/ofswcd
 4. Columbus, OH August 26th, Focus on NRCS Nutrient Trading Tool. (Host OH Farm Bureau).
- Upcoming: Georgetown, OH. October 3-4 2010

Upcoming Conferences

- Ohio River Basin Consortium for Research and Education: October, Cincinnati, <http://www.ohio.edu/orbcre/>
- Water Management Association of Ohio (WMAO), Nov 17th, Columbus
- Ohio Water and Environment Association, Nov 18th, Blue Ash, Ohio
- Agricultural Drainage Water Management Systems Task Force (ADMS), ARS: September 7th , Chicago
- IWA/WEF www.Nutrient2011.org, January, 2011. Miami.

Quick Summary of Ag input

- What's in it for me?
- Concern over future regulations
- What type of "ag" are we talking about?
 - Livestock, crops, small farms, large farms
- How big do the projects (BMPs) need to be?
- Keep things local
- Role of leased land
- Role of SWCD in program:
 - Verify BMPs are in place
 - Interface with farmers
 - Keeping things local
 - Funding!

Collaborator In the Spotlight

Ohio Farm Bureau Federation

Larry M. Antosch, Ph.D.
Senior Director,
Program Innovation and Environmental Policy



Ohio Farm Bureau Federation



Who Are We?

- Ohio's largest general farm organization
- Grass-roots member-based
- Federation of 87 county Farm Bureaus
- Volunteer board and committees
- State Board
- AFBF



Our History

- 1919 – OFBF Founded
 - Rural electrification
 - Group purchasing of farm supplies
 - Marketing of farm commodities
- 1926 – Farm Bureau Mutual Automobile Insurance Company
- 1955 – Renamed Nationwide Insurance



Vision

*Forge a **partnership** between **farmers and consumers** that meets consumers needs, addresses public expectations and ensures agricultural prosperity in a global marketplace.*



Core Values

- Integrity and honesty
- Grassroots involvement
- Promoting agriculture
- Member advocacy
- Teamwork



Issues

Ohio Farm Bureau addresses a variety of issues including:

- Environment
- Taxes
- Trade
- Livestock
- Energy
- Land Use
- Property Rights
- Wildlife



How does the Farm Bureau decide what position to take?



Policy Development

The *process* Farm Bureau uses to identify and address issues of *member* concern

- County
- State
- National



Conservation and Market Based Incentives - 533

- Support the development of market-based incentives, such as **pollution permit trading** as an alternative to government prescriptions.
- Support creating a **nutrient trading program** across Ohio. The trading program to be administered by a joint board of Soil and Water representatives in the affected counties.



Conservation and Market Based Incentives - 533

- Believe that **pollution permit trading** is a viable approach to implement the requirements of the Federal Clean Water Act and Federal Clean Air Act. We believe the United States Environmental Protection Agency should **outline** the general guidelines of pollution permit trading but allow **local** entities to determine the management system which best fits its needs.



What is OFBF's Interest?

- Supported by our members (policy)
- New opportunities for agriculture
- Farmer input important
- Eliminate or reduce need for regulations
- Win⁴



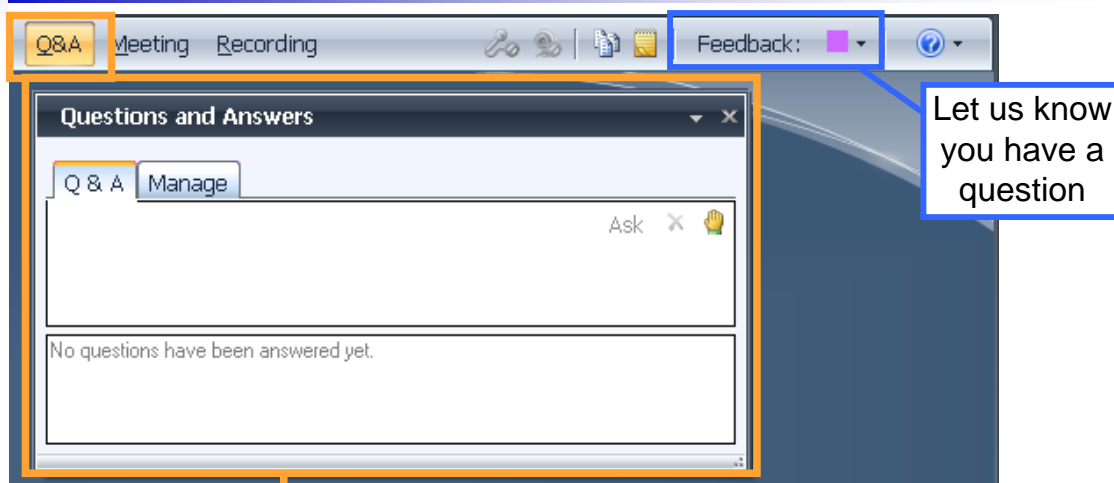
What is OFBF's Role?

- Working in collaboration with American Farmland Trust
- Assist in outreach efforts to Ohio River Basin farmers
- Provide the opportunity to shape multi-state nutrient trading program



Questions & Answers:

If you have a question during the webcast you can...



Type your question to the presenters using the Q&A Feature

Next Quarter Activities

- Finalize Organizational Structure & Publish
- Continue stakeholder outreach
- Continue watershed modeling
- Stakeholder Specific Pages on Website

Staying Connected

- Save the Date, Quarter Webcast:
 - November 11 (Tentative), 2010
- Add Yourself to Our Contact List
- Send Comments
 - E-mail: Ohiorivertrading@epri.com
 - www.epri.com/ohiorivertrading

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Together...Shaping the Future of Electricity