

Ohio River Source Water Protection Program

USEPA R-5
Source Water Protection Managers' Meeting
October 7-9, 2008
Lansing, MI

Ohio River Valley Water Sanitation Commission

- Interstate compact water pollution control agency
- Created in 1948 (Happy 60th!)
- Monitor and abate water pollution in Ohio River basin
- Facilitator, coordinator, regulator, researcher



Ohio River Valley Water Sanitation Commission

- Created by the States
 - Illinois, Kentucky, Indiana, Ohio, West Virginia, Pennsylvania, New York, Virginia
- Funded by the States
 - CWA 106 grant funds
 - Other federal grants
 - Private contributions support research



Ohio River Valley Water Sanitation Commission

- Governed by 27 "Commissioners"
- Three from each state, 3 federal
 - KY – Robert D. Vance, Secretary, Daniel Mongiardo, Lt. Gov., *Jeff Eger*
 - IL – Douglass Scott, Director, Constance Humphrey, Phil Morgan
- Numerous committees
 - State/Federal agencies
 - Industry groups

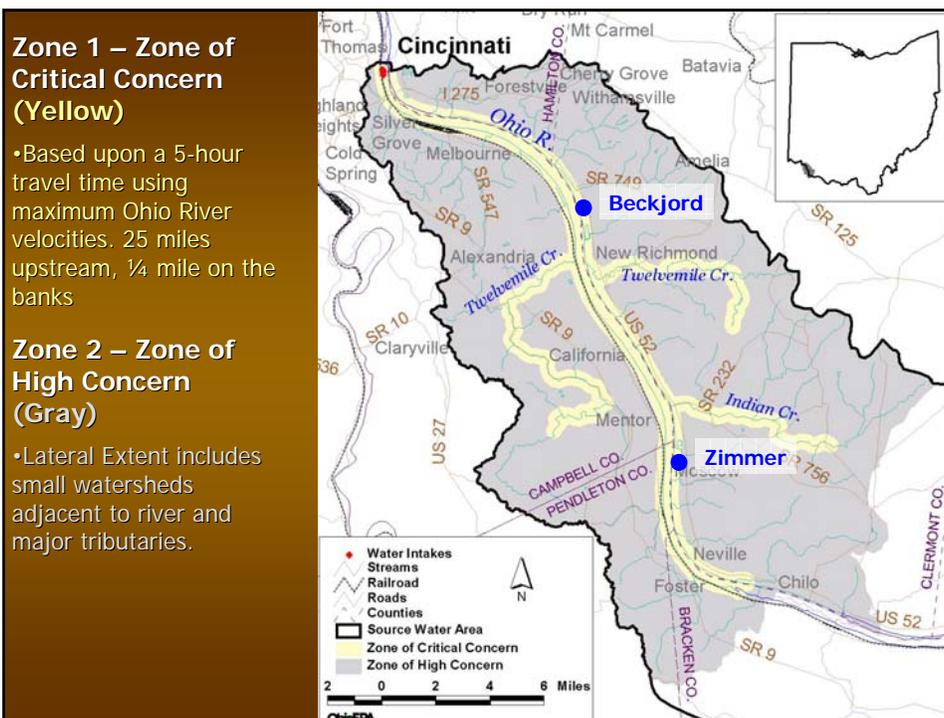


Ohio River Facts

- 33 drinking water intakes
- Provide drinking water to >5,000,000
- 144 industrial intakes
- >600 permitted discharges
- 1350 combined sewage overflows
- Turbidity range 3 - 1,500 NTU
- >150 species of fish
- 20 navigation locks and dams

Source Water Protection Program

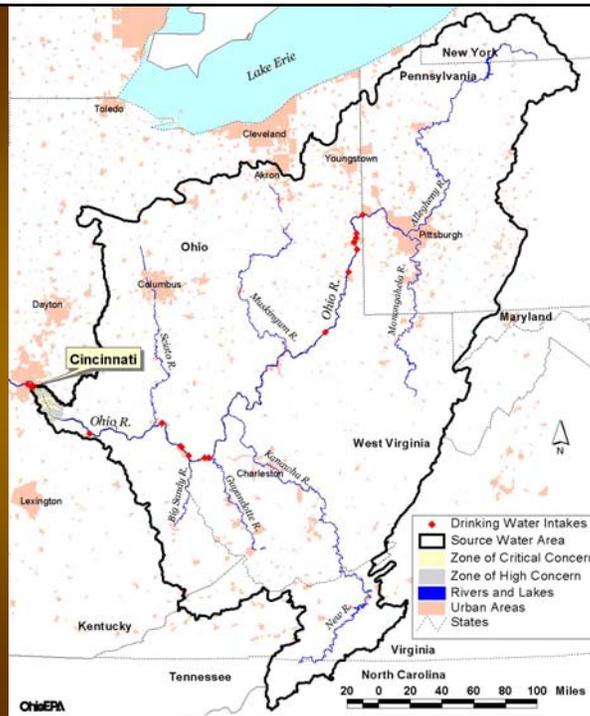
- Continuation of effort begun in 1997 to assist states in Ohio River source water assessment delineations
- Delineations adopted
- Source water assessments completed
- Source water protection plans next



Zone 3 – Source Water Area

Entire portion of the Ohio River Basin upstream from our surface water intakes.

- Includes about 71,000 square miles
- Population of 6 million
- 332 registered dischargers from Pittsburgh to GCWW on the Ohio River
- 16 Public drinking water intakes upstream of the Cincinnati Area on the Ohio River



Source Water Protection Program

- ORSANCO positioned to facilitate development of interstate SWP plans
- Already active in SWP issues
 - ODS, spill notification, emergency response, monitoring programs, permits, etc.
- Where the “rubber meets the road” program

Source Water Protection Workgroup/Committee

- Comprised of State Source Water Protection Program Managers
- PA – Joe Lee
- WV – Bill Toomey
- Ohio – Mike Eggert
- Kentucky – Peter Goodman
- Indiana – Jim Sullivan
- Illinois – Rick Cobb

Three Primary Objectives

- Communicate SWP issues with ALL Ohio River drinking water utilities
- Development of Source Water Protection Plans
 - Risk management plan
- Communication with Facilities of Primary Concern
 - Risk management activity

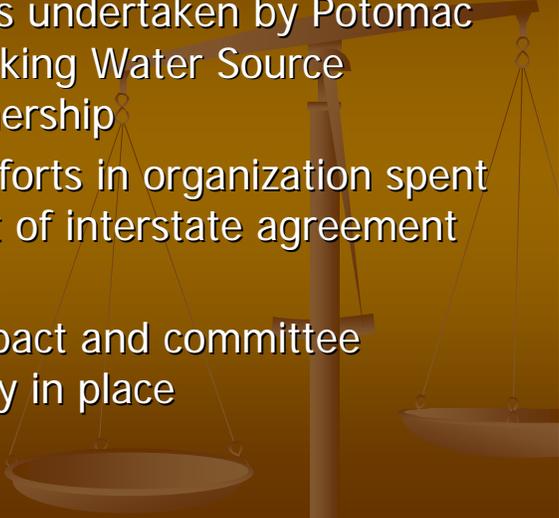
Ohio River Draft SWP Plan Template

- Modified from OEPA inland document by GCWW, OEPA & JS
- Template designed to assist utilities in identifying Ohio River SWP plan needs
 - Substantially different from inland concerns
- Committee recommended presentation to utilities for review and comment during regional meetings

Ohio River SWP Meetings

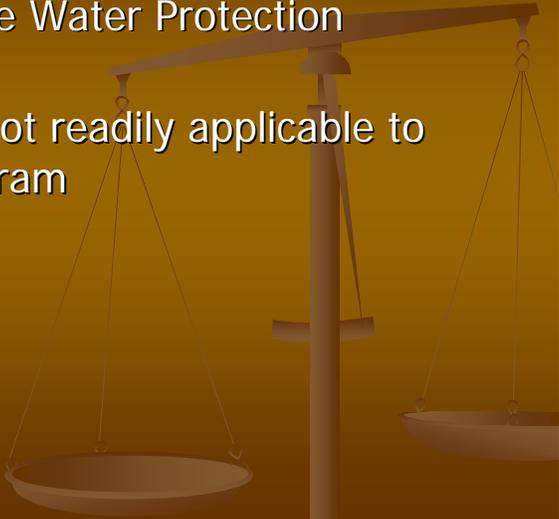
- Committee confirmed need and utility of SWP plan meetings
- Facilitates interstate coordination
- Provides opportunity for utilities to meet and discuss issues of common concern
- Initial meeting with surface water and ground water utilities only

Benchmarking



- Reviewed efforts undertaken by Potomac River Basin Drinking Water Source Protection Partnership
- Much of their efforts in organization spent on development of interstate agreement and committees
- ORSANCO Compact and committee structure already in place

Benchmarking



- Gt. Lakes Source Water Protection checklist
- Reviewed and not readily applicable to Ohio River program

Ohio River SWP Meetings

- Supported by Water Users Advisory Committee
 - Different in that WUAC does not include all Ohio River drinking water facilities
- No ORSANCO committee addresses ground water utilities
 - When invited to Cincinnati meetings, ground water utilities very appreciative of communication with surface facilities and ORSANCO

Ohio River SWP Meetings

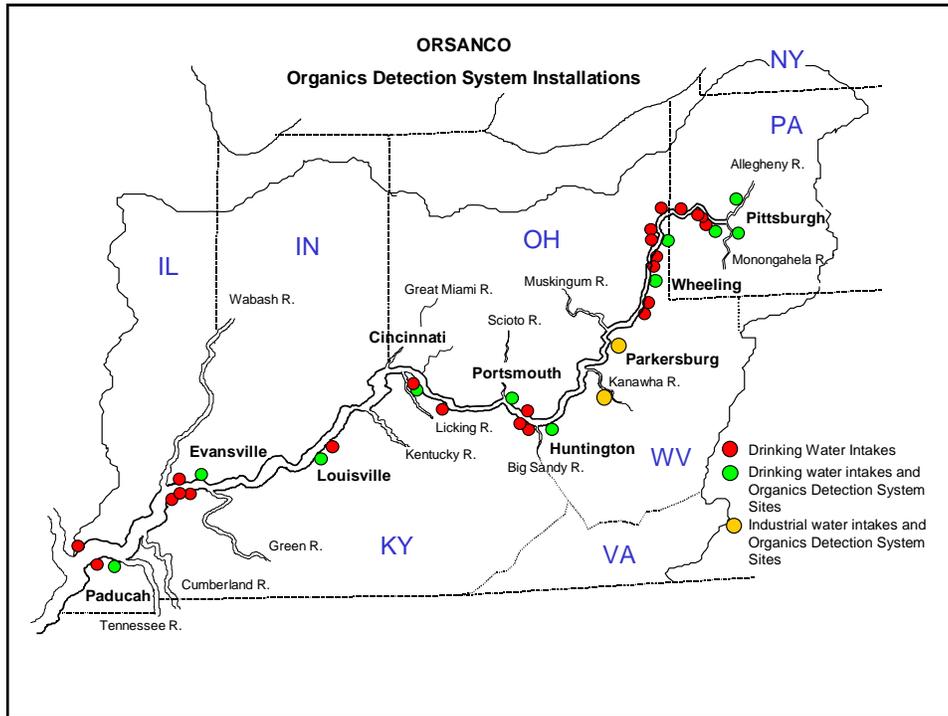
- First series of meetings held June/July '08
 - Drinking water utilities only
 - All surface and ground water utilities/facilities
 - Review, discussion and implementation of SWP template for SWP plan development
- Second series of meetings held in FY09 with utilities and facilities of primary concern

Ohio River SWP Meetings

- Multiple use river
- > 5m people drink water
- Incumbent on all users to protect resource
- Incumbent on all users to protect drinking water source for all people
- Develop communications networks between FPCs and utilities
- Benefits in Cincinnati pilot program already observed

SWP Issues

- Consistent with issues raised by Water Users Advisory committee on notification of downstream drinking water utilities by spillers/dischargers
 - Working with NPDES subcommittee on definition/language for use in permits
 - Current requirements generally limited to notification of utilities 10 miles downstream
 - SWP zone of critical concern extends 25 miles



SWP Issues

- Increased monitoring improves knowledge of source water quality
- Improves basis for treatment processes

Moving Forward

- Develop list of invitees for next series of meetings



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QUESTIONS?

