

OHIO EPA UPDATE

ORSANCO TECHNICAL MEETING

FEBRUARY 2012

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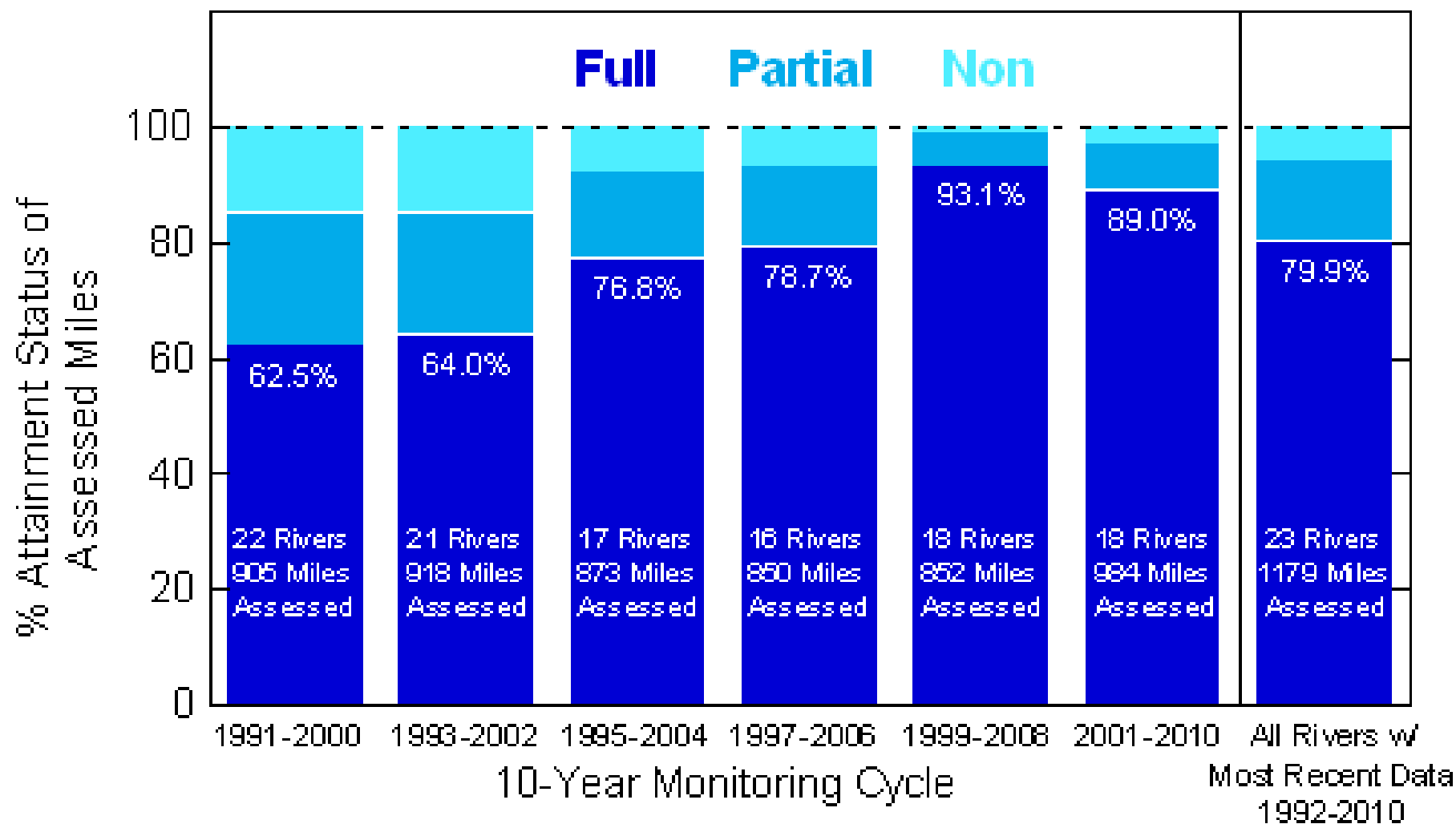
Environmental
Protection Agency

OVERVIEW

- ▶ Current Issues
- ▶ Facilities Update

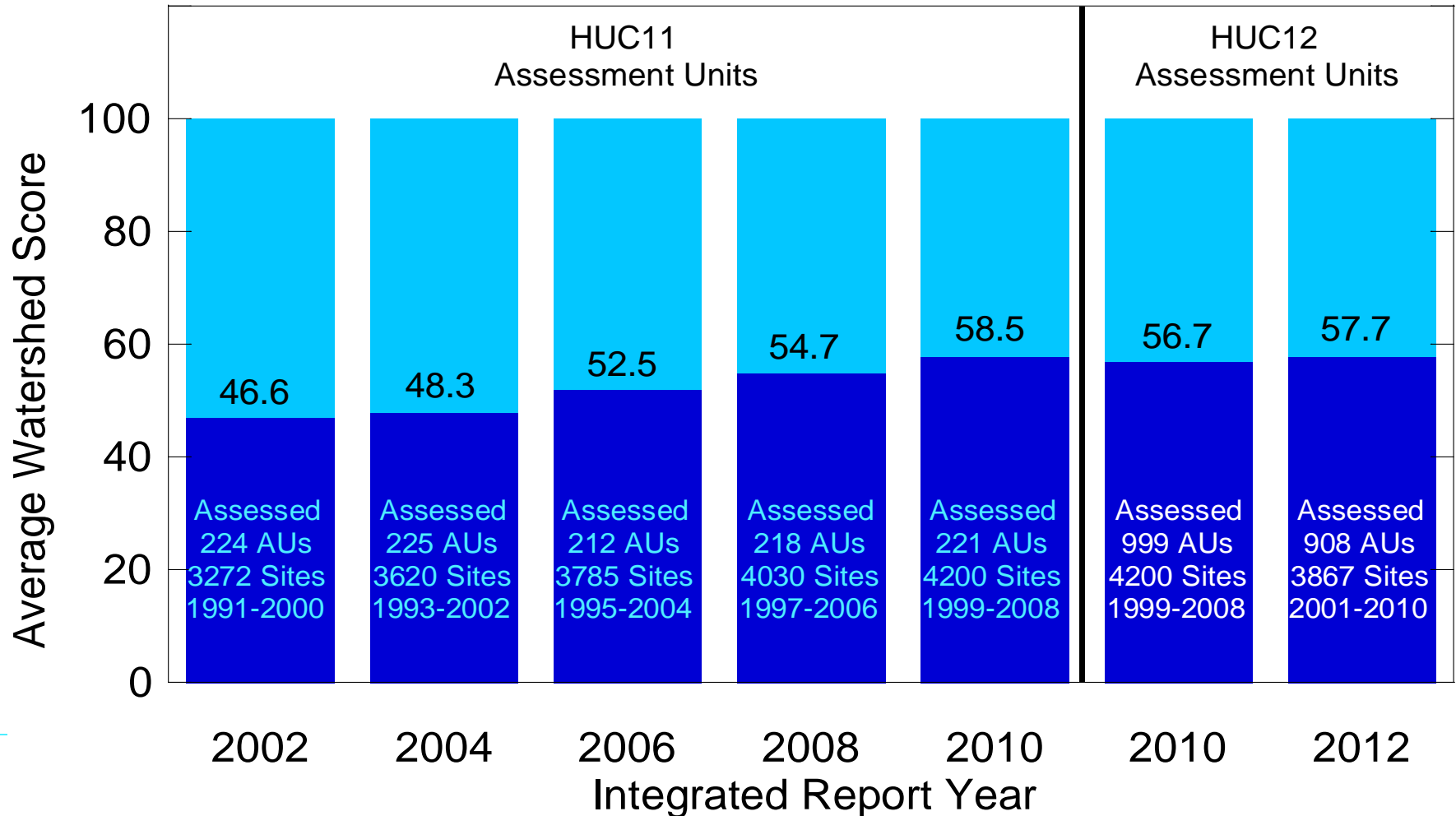
2012 INTEGRATED REPORT

WATER QUALITY TRENDS: LARGE RIVERS



2012 INTEGRATED REPORT

WATER QUALITY TRENDS: WATERSHEDS



NUTRIENTS UPDATE

▶ Ohio Nutrient Strategy Framework

- ▶ Draft complete and reviewed by U.S. EPA Region 5 – we need to fill in gaps
- ▶ Will revise /complete gaps using the products of two work groups

▶ Nutrient Workgroups

- ▶ ODA, Ohio EPA & ODNR Directors Agricultural Nutrient Water Quality Work Group (completed 2/1/12), recommendations may include:
 - ▶ Soil testing prior to P application
 - ▶ Injection/incorporation of P into soil
 - ▶ Avoiding winter P application
 - ▶ Potential fertilizer applicator certification program if voluntary efforts don't work
- ▶ Point Source Urban Nutrient Work Group (completion target June 2012)
- ▶ Proposing a standing Advisory Panel (all sectors, late 2012)

401 PROGRAM UPDATE

- ▶ Pilot in lieu fee program (currently in use)
 - ▶ For use on isolated waters or where USACE does not require mitigation
 - ▶ Best use on low quality impacts
 - ▶ Use Surface Water Improvement Fund
- ▶ Proposing language in upcoming Agency Omnibus Bill to establish in lieu fee program
 - ▶ The Nature Conservancy (TNC) agreed to sponsor program
 - ▶ Target of March 1 for draft prospectus review by TNC, ODNR and Ohio EPA
- ▶ Also proposing general language in Omnibus Bill regarding the petition for delegation for 404 Program

WARREN DRAFT NPDES PERMIT

- ▶ Draft Warren NPDES permit renewal issued 12/1/2011.
 - ▶ Draft permit does not authorize POTW to accept brine wastewater from oil or gas activities
 - ▶ Included TDS limit based on meeting Pennsylvania's WQS at the border
- ▶ Held public hearing and comment period in January 2012
 - ▶ Comments received raised following issues:
 - ▶ Wasteload allocation used to determine TDS limits was not technically sound
 - ▶ Concerns with impacts to indirect dischargers and local limits
 - ▶ Concerns regarding impact on jobs and economy
 - ▶ Concerns with fracking process and wastewater handling
- ▶ Attempt by Warren to adjudicate the draft permit

YOUNGSTOWN AREA INJECTION WELL

- ▶ On 12/30/2011, ODNR halted operations at Northstar Disposal Services, LLC Class II injection well in Youngstown Township
- ▶ Area around injection well experienced minor earthquakes
 - ▶ ~10 earthquakes in 2011 within 2 miles of the well site
 - ▶ Well injections started in June 2010
- ▶ Columbia University's Lamont-Doherty Earth Observatory installed four seismometers in area to capture more detailed information
 - ▶ Injection of fluids into fault line probably caused earthquakes
- ▶ Ohio has 177 operating Class II injection wells, permitted by ODNR
 - ▶ Flowback water from oil and gas well fracking is disposed of in these wells

RULEMAKING UPDATE

- ▶ Water Quality Standards and 401 rules
 - ▶ Updated ORSANCO Pollution Control Standards (TDS at drinking water intakes, Human Health criteria for chemical contaminants)
 - ▶ Primary Headwater Habitat
 - ▶ classification for streams $< 1 \text{ mi}^2$
 - ▶ putting current practice into rule
 - ▶ Antideg BADCT for nutrients
 - ▶ State Water Quality Permit (isolated streams and lakes)
- ▶ Rules withdrawn from JCARR 2/1/2012. Will proceed with rulemaking under new CSI process.

UPDATE ON OHIO RIVER CSO COMMUNITIES

Community	LTCP Status	Comments
Milford	Implementation complete	Completely separated
Pomeroy	Approved	Sewer separation & CSO elimination by May 2029
Mingo Junction	Approved	Sewer separation & CSO elimination by July 2017 *Request for 2 yr extension under negotiation
Cincinnati MSD	Approved	Big project plans due 12/31/2012
Middleport	Approved	Reducing CSO activation to no more than 4/yr by increasing collection & treatment capacity. Implementation by April 2013 – However monitoring study shows need to adjust construction schedule by few months.
Toronto	Approved	Separation by December 2013
Ironton	Approved	Separation by December 2026
EORWA	Approved	Sewer separation & transport to treatment at POTW
Portsmouth	Under review	U.S. EPA working with city on consent agreement
New Boston	Not submitted	U.S. EPA will begin negotiations to get approved LTCP
Steubenville	Not submitted	Modified consent order close to finalization. Flow meters installed at CSOs, city actively pursuing separation in areas.

OHIO RIVER DISCHARGERS UPDATE

- ▶ Southern Ohio Coal Company AMD Project, Meigs County
 - ▶ Company has an update meeting with Ohio EPA, SEDO in Dec 2011 and continues to work towards final plans to construct a pipeline to convey treated effluent from the closed Mine 31.
- ▶ Mine Dewatering at SR 7, Jefferson County
 - ▶ Just below Cardinal Plant, ODOT continues to work towards mitigating a road slip by dewatering a mine and potentially reestablishing a long term discharge. ODOT continues to seek an RFQ's to plan for the project.
- ▶ Steubenville WWTP, Jefferson County
 - ▶ Ohio EPA continues to work on CSO negotiations with the city. Flow meters at the CSOs have been installed to assess the overflow volumes. The city is actively pursuing storm sewer separation in areas.

DISCHARGERS UPDATE CONT.

▶ DP&L Stuart JM Stuart Generating Station, Adams County

- ▶ Ohio EPA public noticed another draft NPDES permit on December 14, 2011. Public hearing Feb. 2. Notice period closes Feb. 6.
- ▶ U.S. EPA has withdrawn its objection to permit renewal.
- ▶ Draft permit includes authorization for new discharges from proposed Carter Hollow Landfill and treatment requirements for JBR flue gas scrubber system discharge. Carter Hollow Landfill will receive flue gas scrubber wastes and coal combustion products and serve both Killen and Stuart Generating Stations.
- ▶ Appears DP&L will seek renewal of 316(a) variance during compliance schedule period rather than construct new treatment facilities to reduce thermal discharges to Little Three Mile Creek & Ohio River.

CONTACT INFORMATION

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