

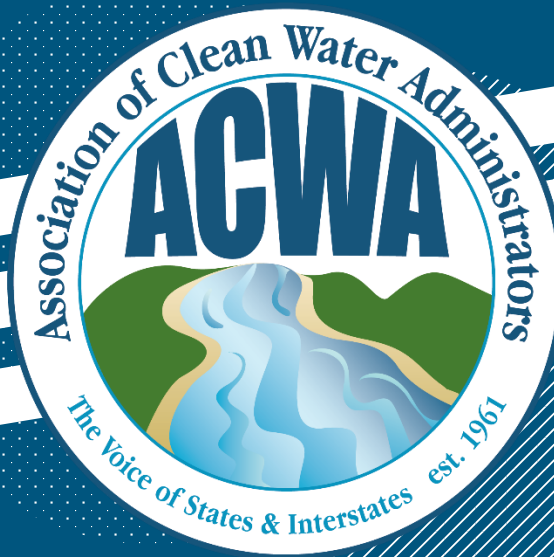
Association of Clean Water Administrators **2018 Nutrients Permitting Workshop**

Riffe Government Center
Columbus, Ohio
June 5-7, 2018

PURPOSE

This workshop is part of a series of meetings focused on nutrients permitting through a grant between EPA, ACWA, and WEF. The workshop series is intended to help support states and EPA to further identify challenges & barriers to nutrient permitting program implementation, highlight opportunities for program improvement & enhancement, showcase innovations, assist with analysis of training, guidance, tools, and other support material needs, improve administrative efficiencies, clarify roles and responsibilities, promote program streamlining, build stronger linkages to WQS & TMDLs, modernize permit terms and data management, revise program performance measures, identify program areas where targeted technical assistance would be most beneficial, and attempt to solve some of the most intractable nutrients issues.

In December 2017, ACWA held the first Nutrients Permitting Workshop in Boise, Idaho. The Boise meeting consisted of presentations and discussion on various nutrients permitting topics. The Columbus meeting follows this workshop and will focus on the relationship between technology and permitting.



SPECIAL THANKS TO

United States Environmental Protection Agency, Water Environment Federation, Ohio Environmental Protection Agency, and the Nutrients Permitting Workshop Planning Committee.

TUESDAY, JUNE 5

7:30 AM	BREAKFAST ON YOUR OWN
8:30 AM	REGISTRATION & SIGN-IN
9:00-9:15 AM	WELCOME & OPENING REMARKS
9:15-10:30 AM	CASE STUDIES ON TECHNOLOGIES Ken Hoffman, Utah Department of Environmental Quality Amy Garbe, P.E., Wastewater Engineer, Wisconsin Department of Natural Resources
10:30-10:45 AM	BREAK
10:45-11:30 AM	PERMITTING FOR INDUSTRIES Al Garcia, Environmental Engineer, US EPA Region 8
11:30 AM-12:00 PM	ADDRESS FROM DIRECTOR OF THE OHIO ENVIRONMENTAL PROTECTION AGENCY Craig W. Butler, Director, Ohio Environmental Protection Agency
12:00-1:30 PM	LUNCH ON YOUR OWN
1:30-2:30 PM	OPTIMIZATION MECHANISMS AND ALTERNATIVE APPROACHES TO NUTRIENTS REMOVAL Jon VanDommelen, Compliance Assistance Unit, Ohio Environmental Protection Agency Corey Mathisen, Wastewater Engineer, Municipal Wastewater Section, Minnesota Pollution Control Agency
2:30-3:15 PM	OHIO'S MASS BALANCE ANALYSIS OF NUTRIENT LOADING SOURCES Josh Griffin, Ohio Environmental Protection Agency
3:15-3:30 PM	BREAK
3:30-4:15 PM	STATE ECONOMIC ANALYSIS FOR NUTRIENT REMOVAL M. Eleanor (Ellie) Key, P.E., Water Quality Program, Washington Department of Ecology
4:15-5:00 PM	COSTS DISCUSSION
5:00 PM	MEETING ADJOURN
5:30-7:00 PM	HAPPY HOUR NETWORKING EVENT

WEDNESDAY, JUNE 6

9:00 AM

FIELD TRIP

Bus pick-up from Riffe Center at 8:45 AM

Tussing Road Water Reclamation Facility
Upper Hocking Water Pollution Control Facility

12:00-1:30 PM

LUNCH ON YOUR OWN

1:30-3:30 PM

NUTRIENT REMOVAL TECHNOLOGIES AND PERMITTING

Phil Zahreddine, US EPA
David Clark, Director, Wastewater, HDR, Inc.
JB Neethling, Director, Wastewater Market Sector, HDR, Inc.

3:30-3:45 PM

BREAK

3:45-5:00 PM

OPERATOR TRAINING PRESENTATION - Colorado and WEF's Efforts to Train Operators

Nicole Rowan, Clean Water Program Manager, Colorado Department of Public Health & Environment
Amy Zimmerman, Engineering Unit Manager, Colorado Department of Public Health & Environment
Morgan Brown, Manager, Technical Programs, Water Science & Engineering Center, Water Environment Federation

5:00 PM

MEETING ADJOURN

THURSDAY, JUNE 7

9:00-10:30 AM

PRESENTATION AND DISCUSSION ON SMALL SYSTEMS

Mike Tate, Environmental Engineer, US EPA Region 7

Martha Clark Mettler, Assistant Commissioner, Office of Water Quality, Indiana Department of Environmental Management

10:30-10:45 AM

BREAK

10:45-11:30 AM

EPA OFFICE OF RESEARCH AND DEVELOPMENT – WASTEWATER RESEARCH AND CASE STUDIES

Dan Murray, P.E., BCEE, Senior Environmental Engineer, National Risk Management Research Laboratory, Water Systems Division, Office of Research and Development, USEPA

11:30 AM-12:00 PM

WORKSHOP WRAP-UP

Mark Patrick McGuire, Environmental Program Manager, Association of Clean Water Administrators

12:00 PM

MEETING ADJOURN