

Association of Clean Water Administrators
2018 TMDL Modeling Workshop

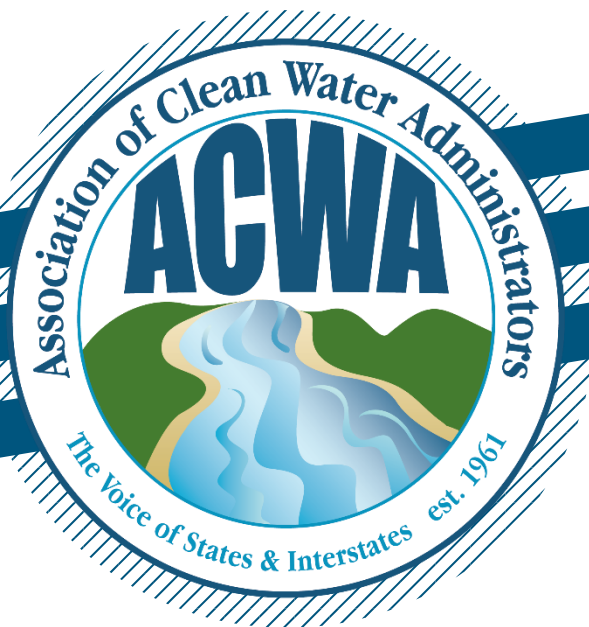
**The Courtyard by Marriot Denver Cherry Creek Hotel, *Skyline Ballroom*
Denver, Colorado
June 19-21, 2018**

PURPOSE

The 2018 ACWA TMDL Modeling Workshop supports implementation of state 303(d) programs by building a community of practice among state agency staff who use or want to use TMDL modeling in implementation of state 303(d) programs. This discussion-based workshop will feature presentations, breakout sessions, and dialogue where states and EPA will share and discuss modeling implementation success stories, obstacles faced, and lessons learned to begin an ongoing transfer of knowledge between states via the ACWA TMDL Modeling Workgroup.

ATTENDEES:

The TMDL Workshop is a national meeting organized by ACWA for state TMDL program managers and staff, especially those involved in TMDL modeling, and also for both Regional and Headquarters-based U.S. Environmental Protection Agency managers and staff.



SPECIAL THANKS TO

United States Environmental Protection Agency, the ACWA Watersheds Committee, and the ACWA TMDL Workshop Planning Committee: Traci Iott (CT), Jeff Berckes (IA), Jason Gildea (EPA), Rosaura Conde (EPA), Jasper Hobbs (NEIWPC), Craig Lott (VA), Kristi Williams (AR), Barbara Kickham (MA), Matt Reardon (MA), Kim Groff (MA), Guido Yactato (MD), Erin Rasnake (FL), Ansel Bubel (FL), Helen Pang (NJ), Roger Miranda (TX), Pamela Behm (NC), Ben Cope (EPA), and Joni Nuttle (CO)

TUESDAY, JUNE 19

| | |
|-----------------------|--|
| 8:00-9:00 AM | REGISTRATION & SIGN-IN |
| 9:00-9:45 AM | Welcome, Introductions, Opening Remarks <i>Julian Gonzalez, Environmental Program Manager, Association of Clean Water Administrators</i> <i>Jeff Berckes, TMDL Program Coordinator, Iowa Department of Natural Resources</i> |
| 9:45-10:45 AM | What do you need? Perspectives on Integrating Modeling into 303(d) Programs <i>Craig Lott, TMDL Modeling Coordinator, Virginia Department of Environmental Quality</i> <i>Jason Gildea, Hydrologist, U.S. Environmental Protection Agency, Region 8</i> |
| 10:45-11:15 AM | BREAK |
| 11:15-12:15 PM | How States Choose Models <i>Ansel Bubel, Environmental Administrator, Water Quality Evaluation and TMDL Program, Florida Department of Environmental Protection</i> <i>Chris Sullivan, Environmental Analyst, Connecticut Department of Energy and Environmental Protection</i> <i>Pamela Behm, Branch Chief, Modeling and Assessment Branch, North Carolina Department of Natural Resources</i> |
| 12:15-1:45 PM | LUNCH ON YOUR OWN |
| 1:45-2:45 PM | Building State Capacity: Approaches to Modeling Training <i>Chris Sullivan, Environmental Analyst, Connecticut Department of Energy and Environmental Protection</i> <i>Craig Lott, TMDL Modeling Coordinator, Virginia Department of Environmental Quality</i> |
| 2:45-3:30 PM | An EPA Perspective on Modeling in 303(d) Programs: Partners and Resources <i>Jason Gildea, Hydrologist, U.S. Environmental Protection Agency Region 8</i> <i>Tim Wool, Water Quality Modeler, U.S. Environmental Protection Agency Region 4</i> <i>Ben Cope, Environmental Engineer, U.S. Environmental Protection Agency Region 10</i> |
| 3:30-4:00 PM | BREAK |
| 4:00-5:00 PM | Day 1 Breakout Sessions Breakout 1: Current Innovations in Modeling (Moderated by Julian Gonzalez, ACWA) Breakout 2: Modeling 101: How Models Work (Led by Paul Pickett, WA ECY) Breakout 3: Managerial Concerns for Modeling (Moderated by Jeff Berckes, IA DNR) |
| 5:00 PM | MEETING ADJOURN |
| 5:30-7:00 PM | HAPPY HOUR NETWORKING EVENT <i>Crazy Mountain Taproom Cherry Creek</i> <i>660 S Colorado Blvd, Glendale, CO 80246</i> |

WEDNESDAY, JUNE 20

8:30-10:00 AM

Model Overviews

Tim Wool, *Water Quality Modeler, EPA Region 4*

10:00-10:30 AM

BREAK

10:30-12:00 PM

State Modeling Stories: Successes, Obstacles, Lessons Learned

Paul Pickett, *Environmental Assessment Program, Washington Department of Ecology*

Peg Foss, *TMDL Coordinator, New Hampshire Department of Environmental Services*

Erik Makus, *Hydrologist/Water Quality Modeler, Water Quality Planning Bureau, Montana Department of Environmental Quality*

Pamela Behm, *Branch Chief, Modeling and Assessment Branch, North Carolina Department of Natural Resources*

12:00-1:30 PM

LUNCH ON YOUR OWN

1:30-2:30 PM

State Modeling Stories Continued

Matt Diebel, *Water Resources Modeler, Water Quality Bureau, Wisconsin Department of Natural Resources*

Guido Yactayo, *Water Resources Engineer, Maryland Department of the Environment*

Tim Wool, *Water Quality Modeler, U.S. Environmental Protection Agency, Region 4*

2:30-3:15 PM

Quality Assurance in Modeling

Roger Miranda, *Geoscientist, TMDL Program, Texas Commission on Environmental Quality*

Ben Cope, *Environmental Engineer, U.S. Environmental Protection Agency, Region 10*

Paul Pickett, *Environmental Assessment Program, Washington Department of Ecology*

3:15-3:45 PM

BREAK

3:45-4:30 PM

EPA/State Discussion: Best Practices

Moderators:

- Jason Gildea, *Hydrologist, U.S. Environmental Protection Agency*
- Jeff Berckes, *TMDL Program Coordinator, Iowa Department of Natural Resources*

4:30-5:30 PM

TMDL Modeling and Public Outreach

Erin Rasnake, *Program Administrator*, and Ansel Bubel, *Environmental Administrator, Water Quality Evaluation and TMDL Program, Florida Department of Environmental Protection*

Paul Pickett, *Water Quality Engineer, Environmental Assessment Program, Washington Department of Ecology*

5:30 PM

MEETING ADJOURN

THURSDAY, JUNE 21

9:00-10:30 AM

Working with Contractors: State and Contractor Perspectives

Erin Rasnake, *Program Administrator, Water Quality Evaluation and TMDL Program, Florida Department of Environmental Protection*
Pamela Behm, *Branch Chief, Modeling and Assessment Branch, North Carolina Department of Natural Resources*
Michelle Probasco, *Chief, Planning and Surface Water Quality Standards Unit, Kansas Department of Health and Environment*
Kelly Meadows, *Watershed Programs Manager, Virginia Department of Environmental Quality*
Jason Gildea, *Hydrologist, U.S. Environmental Protection Agency Region 8*
Tim Wool, *Water Quality Modeler, U.S. Environmental Protection Agency Region 10*

10:30-11:15 AM

Working with EPA Partners – Open Discussion led by EPA

Jason Gildea, *Hydrologist, U.S. Environmental Protection Agency Region 8*

11:15 AM-12:00 PM

Workshop Wrap Up: What Is Next?

Julian Gonzalez, *Environmental Program Manager, Association of Clean Water Administrators*

12:00 PM

MEETING ADJOURN