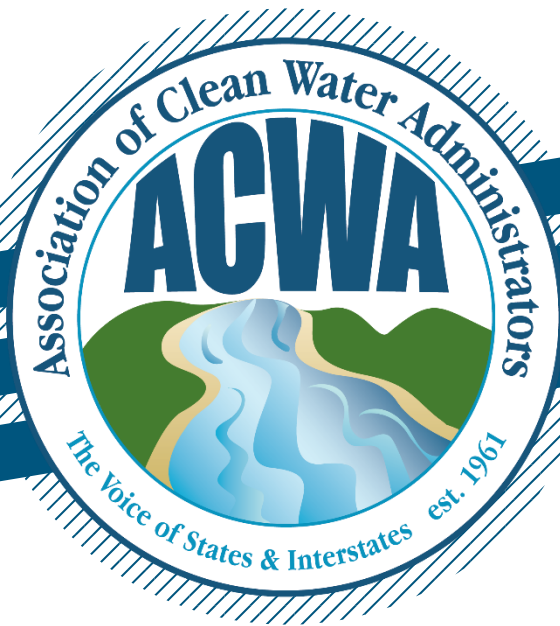


Association of Clean Water Administrators

2024 Modeling Workshop

September 16 - 20, 2024



This Water Quality Modeling Workshop is a national meeting organized by ACWA, in partnership with USEPA for state program managers and staff involved in water quality modeling, as well as for both Regional and Headquarters-based U.S. Environmental Protection Agency managers and staff.

MONDAY, SEPTEMBER 16

12:00 – 1:00 PM ET	Welcome and Registration
1:00 – 5:00 PM ET	Full Group Plenary
3:30– 3:45 PM ET	Break

TUESDAY, SEPTEMBER 17

8:00 – 8:30 AM ET	Welcome, Introductions, Why Model
8:30 – 9:00 AM ET	Introduction to WASP
9:00 – 9:30 AM ET	Model Network/Segmentation
9:30 – 10:30 AM ET	Computer Example Segmentation examples (CSTR, 1-D River, 2D-Lateral River, Hydrodynamic Linkage)
10:30—10:45 AM ET	Break
10:45—12:00 PM ET	WASP Transport Schemes (Flow Routing, Kinematic Wave, Dynamic Flow, Lake Module, Hydrodynamic Linkage)
12:00 – 1:15 PM ET	Lunch (on your own)
1:15 – 2:00 PM ET	Computer Examples Transport Schemes
2:00—2:15 PM ET	Break
2:15 – 3:45 PM ET	Computer Example: Modeling Temperature, Introduction of Boundaries and Kinetic Constants
4:00 – 5:00 PM ET	Full Group Plenary <i>Utilizing SWAT+ for TMDL Characterization: A Wisconsin Case Study</i> Eric Hettler, Wisconsin DNR
6:00 – 8:00 PM ET	Informal Networking Event Victory Brewing Company - 1776 Benjamin Franklin Pkwy, Philadelphia, PA 19103

WEDNESDAY, SEPTEMBER 18

8:00 – 8:30 AM ET	Introduction to Eutrophication Module
8:30 – 9:00 AM ET	Environmental Conditions

9:00 – 9:30 AM ET	Applying Varying Model Complexity
9:30 – 10:30 AM ET	Setting Up WASP Input. Data requirement, how to organize, and enter into model
10:30—10:45 AM ET	Break
10:45—12:00 PM ET	Computer Examples: 1) Dissolved Oxygen 2) Nutrient Cycling 3) Algae Growth 4) Periphyton/Macro Algae
12:00 – 1:15 PM ET	Lunch (on your own)
1:15 – 2:00 PM ET	Computer Examples (Continued)
2:00—2:15 PM ET	Break
2:15 – 3:45 PM ET	Computer Example: Real World Model Example
4:00 – 5:00 PM ET	Full Group Plenary <i>Chesapeake Climate Change Assessment Using A Suite of Atmospheric, Land Use, Watershed, and Estuarine Models</i> Lewis Linker, U.S. EPA Chesapeake Bay Program Office
6:00 – 8:00 PM ET	Informal Networking Event City Tap House - 100 N 18th St, Philadelphia, PA 19103

THURSDAY, SEPTEMBER 19

8:00 – 8:30 AM ET	Model Calibration Process, Visualization Tools
8:30 – 9:00 AM ET	How to do a TMDL and/or Waste Load Allocation
9:00 – 9:30 AM ET	Computer Example: Model Calibration
9:30 – 10:30 AM ET	Computer Example: Nutrient Reduction to meet Water Quality Standard/Endpoint
10:30—10:45 AM ET	Break
10:45—12:00 PM ET	Introduction to Toxicant Model
12:00 – 1:15 PM ET	Lunch (on your own)
1:15 – 2:00 PM ET	Computer Examples
2:00—2:15 PM ET	Break
2:15 – 3:45 PM ET	Computer Examples (Continued)
4:00 – 5:00 PM ET	Full Group Plenary Leveraging Nutrient Inventories to Inform Water Quality Modeling and Restoration Effort Robert Sabo, U.S. EPA

FRIDAY, SEPTEMBER 20

8:00 – 10:30 AM ET

Scenarios and Q&A

10:30—11:00 AM ET

Break

11:00 – 12:00 PM ET

Workshop Wrap-Up