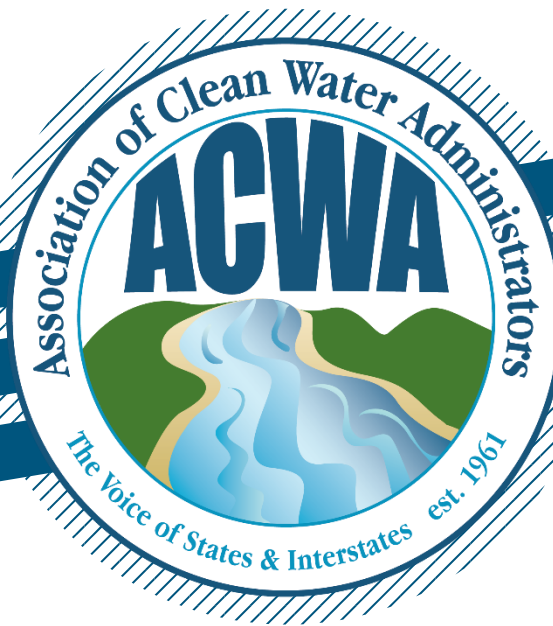


*Association of Clean Water Administrators*

# **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
6:00 – 8:00 PM ET	Informal Networking Event

Reading Terminal Market - 1136 Arch St, Philadelphia, PA 19107

## 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
6:00 – 8:00 PM ET	Informal Networking Event

Harp & Crown - 1525 Sansom St, Philadelphia, PA 19102

## 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

## 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

