United States Environmental Protection Agency

Water Quality Modeling
Basics and Beyond

About the Water Quality Modeling Basics and Beyond Webinar Series

EPA's Water Quality Modeling Workgroup is hosting a series of webinars to help water quality professionals better understand surface water quality modeling and how models can be used to solve common problems that face water quality regulators. The webinars are focused on modeling as it applies to the Total Maximum Daily Load (TMDL), Standards, and Water Quality Permitting Programs, but they are applicable to a wide range of audiences. These two hour webinars cover everything from modeling basics (e.g., model setup and calibration) to applied water quality modeling of different pollutants. Webinars are recorded and archived on EPA's website at http://www.epa.gov/tmdl/tmdl-modeling.

Introduction to EFDC

This webinar will introduce the versatile receiving water model known as the Environmental Fluid Dynamics Code (EFDC). EFDC is a hydrodynamic and water quality model that can be used to simulate aquatic systems in one, two, and three dimensions. It has evolved over the past two decades to become one of the most widely used hydrodynamic models in the world. Topics addressed in this webinar will include a review of receiving water modeling and introduction to EFDC and its capabilities, a discussion of grid generation, and an introduction to a visual interface (VEFDC) available to facilitate model development. Key concepts will be illustrated through the presentation of relevant examples from real world applications.

Speaker: Brian Watson (Tetra Tech)

February 1, 2017

Eastern: 1–3 pm | Central: 12–2 pm | Mountain: 11–1 pm | Pacific: 10 am–12 pm | Alaska: 9 am–11 am

Sponsored By: EPA Water Quality Modeling Workgroup

Target Audience

The target audience is Clean Water Act (CWA) water quality regulators in programs such as TMDLs, monitoring, wetlands, standards, nonpoint sources, permitting, and assessment. The Webinar content assumes that audience members have an understanding of basic hydrology and water quality principles. The Webinars are open to everyone and will be relevant to anyone conducting water quality investigations.

Registration: You must register in advance to participate in this free Webcast. Please register at: https://attendee.gotowebinar.com/register/8794517801238468868. For more information contact Jason Gildea (*gildea.jason@epa.gov*). *Please be sure to view system requirements prior to the webcast.*