

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>.

Watershed Modeling Using HSPF

Development of EPA's Hydrological Simulation Program – FORTRAN (HSPF) began in the 1980's, and yet the model is still recognized as one of the most comprehensive, flexible models of watershed hydrology and water quality currently available. It is one of few models that can simulate the continuous and dynamic storm events of both hydrologic/hydraulic and water quality processes in a watershed, with an integrated linkage of surface, soil, and stream processes, including both nonpoint and point sources of pollution. HSPF offers advantages for water quality modeling supporting both regulatory and planning applications. This webinar presents an overview of HSPF capabilities and application procedures, as well as selected application case studies.

Speaker: Mr. Tony Donigian (AQUA TERRA Consultants, a Division of RESPEC Consulting & Services)

September 21, 2016

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/554870018581964290>. For more information contact Jason Gildea (gildea.jason@epa.gov). Please be sure to [view system requirements](#) prior to the webcast.

The materials in this Webcast have been reviewed by EPA staff for technical accuracy. However, the views of the speakers and the speaker's organization are their own and do not necessarily reflect those of EPA. Mention of any commercial enterprise, product, or publication does not mean that EPA endorses them.