Nitrogen and Phosphorus Webinar Series:
Tools for Developing State Nitrogen and Phosphorus Pollution Reduction Strategies

The Watershed Academy

| Eastern: 1:00 p.m. – 3:00p.m. | Central: 12:00 p.m.–2:00p.m. | Mountain: 11:00 a.m. – 1:00 p.m. | Pacific: 9:00 a.m. – 12:00 p.m. |

A Watershed Academy Webinar

Join us for this webinar entitled "Nitrogen and Phosphorus Webinar Series: Tools for Developing State Nitrogen and Phosphorus Pollution Reduction Strategies." This webinar will help states and others understand key tools they can use to combat this serious and growing environmental problem. Over the last 50 years, the amount of nitrogen (N) and phosphorus (P) pollution entering our nation's waters has escalated dramatically. For example, 30 percent of U.S. streams have high levels of N and P pollution. Also, reported drinking water violations for nitrates have doubled in the last eight years. The webinar will highlight tools that states can use to develop state

New N & P Pollution Data Access Tool at: **epa.gov/nutrientpollution/npdat**

N and P pollution reduction strategies. The webinar will demonstrate EPA's new N and P Pollution Data Access Tool (NPDAT) that is designed to help states develop N and P reduction strategies. The webinar will also demonstrate the new, interactive SPARROW Decision Support System (DSS), designed by U.S. Geological Survey. The DSS can be used by water managers, researchers, and the general public to map long-term average water-quality conditions and source contributions by stream reach and catchment, as well as track N and P transport to downstream receiving waters, such as reservoirs and estuaries. The DSS is available online at: http://cida.usgs.gov/sparrow.

Instructors:

Denise Keehner, Director, U.S. EPA's Office of Wetlands, Oceans and Watersheds
Denise is the Director of the Office of Wetlands, Oceans and Watersheds (OWOW) at the United States Environmental Protection Agency (USEPA) in Washington, DC. Denise is responsible for overseeing the implementation of programs that promote a watershed approach to manage, protect, and restore the water resources and aquatic ecosystems of the nation's marine and fresh waters. These programs include wetlands regulation and restoration, regulation of ocean dumping and vessel discharges, monitoring and assessment, including National Aquatic Resource Surveys, nonpoint source pollution management, TMDL oversight, and building the capacity of State and local governments and watershed organizations. Denise is a biologist by training, but has spent the better part of her career at USEPA managing people and leading programs to achieve improvements in public health and environmental protection.

Rosaura Conde, Biologist, Watershed Branch, U.S. EPA's Office of Wetlands, Oceans and Watersheds
Rosaura works on issues pertaining to the identification of impaired waters and development of total maximum daily loads (TMDLs) under section 303(d) of the Clean Water Act. Her work has focused on nutrients as a cause of impairment and watershed scale approaches to TMDL development. She has a Masters Degree in Environmental Policy and Planning, and a Bachelor's Degree in Biology from Tufts University.

Steve Preston, Regional SPARROW Modeling Coordinator, U.S. Geological Survey
Steve began his career with the U.S. Geological Survey after completing his graduate studies in 1990. During the 1990's Steve served as project chief for various regional water-quality studies including the effort to develop the first regional SPARROW model for the Chesapeake Bay watershed. He currently serves under the USGS NAWQA program as national coordinator for SPARROW model development for six major river basins extending over most of the continental U.S.

The Watershed Academy
The Watershed Academy is a focal point in EPA's Office of Water for providing training and information on implementing watershed approaches. The Academy sponsors live classroom training and online distance learning modules through the Watershed Academy Web at www.epa.gov/watertrain. For more information, visit www.epa.gov/watershedacademy.

Registration
You must register in advance to attend this webcast. Register at the Watershed Academy webcast website at: www.epa.gov/watershedwebcasts.

Questions? Please contact Amber Marriot at amber.marriott@tetratech.com.

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