

**Committee on Review of Approaches for Managing Pollutant Loads in Highway
Stormwater Runoff**

4th Meeting
Keck Center
Keck 103
500 5th St NW
Washington, DC
July 30, 2024

Meeting Objectives

- Gather information on TMDL development, challenges, alternatives, and environmental justice.

Tuesday, July 30

EASTERN TIME

OPEN SESSION

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| 10:00am | Welcome and committee and staff self-introductions |
| 10:05am | <u>TMDL Development, Modeling, and DOT Examples</u> <ul style="list-style-type: none">• Rosaura Conde, Amy King, and Justin Drew, U.S. EPA Office of Water• Jane Hann, Colorado DOT• Henry Barbaro, Mass DOT• Hanna Miller, The Conservation Foundation |
| 12:05pm | Lunch Break |
| 1:00pm | <u>TMDL Challenges, Alternatives, and Environmental Justice</u> <ul style="list-style-type: none">• Cam McNutt, NC Division of Water Resources• Greg Donofrio, University of Minnesota |
| 2:00pm | Adjourn Open Session |

ZOOM LINK:

<https://nasem.zoom.us/j/97764213113?pwd=uam6t4xzqTXGraaRzYYS1GzNYVBR09.1>

SPEAKER BIOGRAPHIES

ROSAURA CONDE is a Team Leader in the Office of Wetlands, Oceans and Watersheds at the Environmental Protection Agency. She is responsible for over carrying out the programmatic vision for the impaired waters listing and Total Maximum Daily Loads program. As such, she is knowledgeable about policy, technical and cross-cutting implementation matters. She routinely leads capacity building efforts, including the development of a basic course on TMDL development. Rosaura has 20 years of experience working in Clean Water Act programs.

AMY KING is an environmental scientist with more than 20 years of experience in Total Maximum Daily Load (TMDL) development and implementation planning, pollutant characterization and assessment, data analysis, database development, and hydrologic and water quality modeling. Ms. King has developed TMDLs based on highly complex loading assessments using dynamic watershed models as well as simpler approaches using custom spreadsheet-based analyses. While in the private sector as an environmental consultant, she authored TMDL and modeling reports for hundreds of waterbody-pollutant combinations, often including monitoring recommendations to support supplementary TMDL modeling and analyses, implementation, and assessment of beneficial use attainment. For the US Environmental Protection Agency (EPA), Ms. King is currently a TMDL program state lead for EPA Region 8, reviewing TMDLs and providing support to the states, and a member of EPA's Water Modeling Workgroup, organizing an internal technical forum on water modeling issues.

JUSTIN DREW is a scientist with the Watershed Branch, Office of Water, at the EPA Headquarters. He is handling and contributing to a number of areas relating to the TMDL and Impaired Waters Listing Program, including EPA Region 3 and the EPA's Nonpoint Source Management Program and Water Data Integration Program matters (as the branch liaison), several cutting-edge assessment issues, and the EPA's Recovery Potential Screening (RPS) Tool. Prior to joining EPA, Justin was with the Los Angeles Regional Water Quality Control Board, California EPA, and worked on Impaired Waters listing, TMDLs, California's Surface Water Ambient Monitoring Program, dredging permits, and Nonpoint Source Program. Justin received his PhD in Environmental Science from the University of Massachusetts in 2010.

HENRY BARBARO was the Stormwater Program Supervisor (retired as of November 2023) in the Highway Division at Massachusetts Department of Transportation. For over 30 years, Henry Barbaro served as the Supervisor of the Wetlands & Water Resources Unit, as well as the Stormwater Program, for the Environmental Services Section of the Massachusetts Department of Transportation's Highway Division. During his tenure, Henry collaborated with USGS on a wide variety of studies with a focus on contaminant loading from highways. These studies have influenced MassDOT's strategies for compliance with State and Federal stormwater regulations. Henry has an M.S. in Natural Resources Planning from the University of Vermont, and a B.S. in Environmental Science from the University of Massachusetts in Amherst.

HANNA MILLER is a Watershed Project Manager at The Conservation Foundation working on reducing the impacts of chlorides. She is the workgroup coordinator for the Chicago Area Waterways Chloride Workgroup and the co-coordinator for the Salt Smart Collaborative. Hanna graduated from Hamilton College with a degree in Geoscience. Outside of work, Hanna can often be found cycling along one of the many waterways in the Chicago area.