National Stormwater Calculator

Wednesday, October 23, 2013

Join us for a webcast introducing U.S. EPA’s new National Stormwater Calculator. This new calculator is designed for property owners, developers, landcapers and urban planners. It can help users decide which stormwater management practices to install. The desktop application allows users to estimate the amount of stormwater runoff from a site using different practices such as a rain garden or a green roof. The tool uses local soil conditions, slope, land cover and historical rainfall records.

The Calculator is phase one of the Stormwater Calculator and Climate Assessment Tool package announced in the President’s Climate Action Plan. More climate scenarios will be added to the Calculator by the end of this year. You can download the calculator and view informational materials at www.epa.gov/nrmrl/wswrd/wq/models/swc.

Tamara Mittman of U.S. EPA’s Office of Wastewater Management will provide an introduction to the Stormwater Calculator and Dr. Lewis Rossman of U.S. EPA’s National Risk Management Research Laboratory will give a demonstration of the calculator. Dr. Rossman was the lead modeler developing the tool and will take users through its important features. Olivia Odom Green, an ORISE Fellow in U.S. EPA’s National Risk Management Research Laboratory, will describe how this tool was used to compare different stormwater utility credit programs in communities across the U.S.

Instructors:

Tamara Mittman, Environmental Engineer, U.S. EPA—Tamara Mittman is an Environmental Engineer with EPA’s Office of Wastewater Management. She supports the Green Infrastructure (GI) program in providing technical assistance to local communities, promoting the implementation of GI infrastructure to meet Clean Water Act requirements, and providing outreach and education. She studied distributed hydrologic modeling in her Master’s program and has extensive experience with the Regional Hydro-Ecologic Simulation System (RHESSys).

Dr. Lewis Rossman, Environmental Scientist, U.S. EPA—Dr. Lewis Rossman is an Environmental Scientist at EPA’s National Risk Management Research Laboratory in Cincinnati, Ohio. He develops computer-based models of water supply and stormwater/sanitary sewer systems. Two of these models (EPANET and SWMM) are widely used throughout the world. He provided the software design and most of the programming for the National Stormwater Calculator.

Olivia Odom Green, ORISE Fellow, U.S. EPA—Olivia Odom Green is an ORISE Water Law and Policy Fellow at EPA’s National Risk Management Research Laboratory in Cincinnati, Ohio. Her work involves quantifying the benefits of GI practices used in combined sewer overflow communities such as Cleveland, Omaha, and Cincinnati. She and Dr. Ruben Kertesz, another U.S. EPA ORISE Fellow, recently completed a study that used the Stormwater Calculator to compare the hydrologic impacts of stormwater utility fee credit programs in several different communities across the U.S.

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

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Questions? Please contact Amber Siegel at amber.siegel@tetratech.com.

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