

COURSE DESCRIPTIONS

Essex County Environmental Center
Fall 2009

Stormwater Management in Your Backyard

This three-part program is geared toward homeowners and environmental enthusiasts wishing to become more familiar with perhaps the most pressing water quality issue of today—stormwater pollution. The program will survey much of the background information in the areas of stream ecology, urban hydrology, pollution sources and federal/state regulations. The lecture will then offer information on some of the latest stormwater management practices being implemented in New Jersey and nationally. The final component will discuss management practices, rain gardens and rain barrels, for homeowners wishing to do their part. You may attend one of each session for \$15 total. An additional fee of \$35 is required for the Rain Barrel program (participants will leave class with a ready-to-use rain barrel made from a re-used 55-gallon plastic container).

Part I: Stormwater 101 (7-8:30 PM, September 10th or October 15th)

Part II: How to install a rain garden at home (7-8:30 PM, Sept. 17th or Oct. 29th)

Part III: Intro. to rain barrels & "build-your-own" workshop (10-Noon, Sept. 19th/Nov. 7th)

Green Infrastructure Upgrades: The New Stormwater Management

This program is geared towards local government personnel/officials or other interested professionals in the environmental field. How do you retrofit an entire network of stormwater infrastructure to help improve the conditions of our local waterways? That's a great question; especially in northern New Jersey, where many urban and suburban developments lack the available open space required to install stormwater controls. Many of the needed projects are large and costly, but there are smaller, cost-effective projects that are shovel-ready right now. This workshop will explore the principles of low impact development and associated technical skills as applied to the already built-out environment. Best management practices such as rain gardens/bioretention, bioswales, cisterns and alternative maintenance/construction practices will be discussed in a way that is practical for day-to-day decision-makers and their staff. Cost estimates and design standards will be discussed along with case studies and a refresher of stormwater regulations.

Continuing education credit for *Certified Public Works Managers, Water Supply and Wastewater Treatment Operators, and New Jersey Health Officers* is currently pending. Please check with the registrar for an update.

\$50, 8:30 AM – 3 PM, Friday, November 6th, 2009.