



**Upper Watts Branch Park Forest Preserve
Environment Restoration Project
Citizen Task Force Meeting, March 13, 2012
City of Rockville Stormwater Regulation Overview**

Federal Clean Water Act The Clean Water Act (CWA) establishes the basic structure for regulating discharges of pollutants into the waters of the United States and regulating surface water quality standards. This is a federal program administered by the state. The CWA serves as the basis for:

Water Quality Standards Water Quality Standards are the foundation of the water quality-based pollution control program mandated by the CWA. Both pollution discharge permits and total maximum daily loads (described below) are used to ensure water quality standards for a waterbody are met.

National Pollutant Discharge Elimination System (NPDES) permit program controls discharges. NPDES was created to control water pollution from commercial and industrial facilities, municipalities, wastewater treatment plants and construction sites. The City of Rockville has four NPDES permits. These permits generally last for five years. After their five-year cycle, they are renewed and the public has an opportunity to comment on them.

Phase II Small Municipal Separate Storm Sewer System (MS4) permit program which requires small municipalities to perform a variety of activities in the following six areas:

- Public Education on Stormwater Impacts
- Public Involvement and Participation
- Illicit Discharge Detection and Elimination
- Construction Site Stormwater Runoff Control
- Post-Construction Stormwater Management
- Pollution Prevention and Good Housekeeping for Municipal Operations

Total Maximum Daily Load (TMDL) A Total Maximum Daily Load, or TMDL, is a calculation of the maximum amount of a pollutant that a waterbody can receive and still safely meet water quality standards. In other words, it is a pollution diet for a given waterbody. TMDLs are developed for all waterbodies that are identified as impaired under the CWA. A TMDL is made up of three main parts: pollution loadings, Margin of Safety, and a watershed implementation plan (WIP). The watersheds within the City have the following TMDLs.

- **Chesapeake Bay TMDL for Sediment and Nutrients**
- Potomac River Montgomery County Watershed (includes Watts Branch) for Sediment and Nutrients
- Rock Creek TMDL for Bacteria and Sediment
- Cabin John Creek TMDL for Bacteria, Sediment and Nutrients

Maryland's Stormwater Management Act of 2007 requires stormwater management treatment during development and redevelopment.