

Stormwater Resources

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“Virginia Stormwater Management Program (VSMP) Permit Regulations”

<http://www.dcr.virginia.gov/documents/stmwtrregsva.pdf>

4VAC50 Chapter 60

“Virginia Stormwater BMP Clearinghouse” <http://www.vwrrc.vt.edu/swc/>

The BMP Clearinghouse is organized to allow different types of users from regulators to BMP owners to quickly find specific information of interest. With Links to VA Stormwater management Program, VA DCR, VA Stormwater Regulatory Programs.

“International Stormwater BMP Database” <http://www.bmpdatabase.org/>

A database of over 300 BMP studies, performance analysis results, tools for use in BMP performance studies, monitoring guidance and other study-related publications. The overall purpose of the project is to provide scientifically sound information to improve the design, selection and performance of BMPs.

“Nonstructural Urban BMP Handbook”

prepared by the Northern Virginia Planning District Commission for the DCR/DSWC, December 1996. (703)642-0700 or dbulova@nvpdc.state.va.us

“Bioretention Manual”

Prince George’s County, Maryland. Dept of Environmental Resources, Programs and Planning Division. Nov 2001 with Revision December 2002. Lead Author- Derek A Winogradoff, LID Project Manager. (301)883-5832

“The Low Impact Development Center, Inc.” <http://www.lowimpactdevelopment.org/>

Neil Weinstein, 4600 Powder Mill Road Suite 200, Beltsville, Maryland 20705

“The Chesapeake Stormwater Network” <http://www.chesapeakestormwater.net/>

The Chesapeake Stormwater Network is a new organization whose mission is to improve on the ground implementation of more sustainable stormwater management and environmental site design practices in each of 1300 communities and seven states in the Chesapeake Bay Watershed. The Network seeks to align and integrate the efforts of thousands of individuals working on the stormwater problem across the Bay, and focuses on improved stormwater manuals, permits, programs, training and technical assistance to meet its mission.

Center for Watershed Protection www.cwp.org

Stormwater Management:

http://www.cwp.org/Resource_Library/Controlling_Runoff_and_Discharges/sm.htm

“Virginia Stormwater Management Handbook”

(two binders aka “Blue Book”) Includes specifications for SWM facility design, construction and maintenance. Download from DCR Internet: http://www.dcr.virginia.gov/soil_&_water/stormwat.shtml

“HR STORM,” <http://www.hrstorm.org/contacts.shtml>

The stormwater education program of the Hampton Roads Planning District Commission (HRPDC), is a coalition of local government staff members who come together to share ideas and pool resources for targeted educational program efforts about stormwater management.

“Stormwater Management- Using Trees and Structural Soils to Improve Water Quality,”

<http://www.cnr.vt.edu/urbanforestry/stormwater/>

Partners: Virginia Tech Urban Forestry Gateway, Cornell Urban Horticulture Institute, Center for Urban Forest Research, Department of Land and Water Resources at the University of California at Davis.

“Managing Stormwater for Urban Sustainability Using Trees and Structural Soils Manual” available for download at:

<http://www.cnr.vt.edu/urbanforestry/stormwater/Resources/TreesAndStructuralSoilsManual.pdf>

“Inspection and Maintenance Guidance for Manufactured BMPs,”

http://watertech.rutgers.edu/committeeproducts/EWRI_2008_Congress_Papers/EWRI_2008_Maintenance_Subcommittee_Paper.pdf

ASCE/EWRI assembled a Task Committee on guidelines for certification of manufactured stormwater BMPs. Recommendations for manufactured BMP maintenance were developed in the following seven areas: (1) designing for maintenance, (2) defining standard maintenance triggers, (3) defining maintenance fundamentals for all manufactured BMPs, (4) defining maintenance tasks by BMP design; hydrodynamic or filter design, (5) identifying entities best able to maintain manufactured BMPs, and training requirements, (6) identifying entities to train maintenance providers, and (7) reviewing recommended disposal techniques for captured pollutants.

“Certified Professional in Erosion & Sediment Control” <http://www.epesc.net/>

“International Erosion Control Association” <http://www.ieca.org/>

The International Erosion Control Association (IECA) is the world’s oldest and largest association devoted to helping members solve the problems caused by erosion and its byproduct—sediment.

“Bioretention Applications in Virginia, The Good, The Bad, and the Ugly,” Presentation to the Maryland Bioretention Workshop, Future of Virginia’s Environment, September 22, 2004 by Larry Gavn, Virginia DCR.

“Stormwater Technologies and Techniques”, presentation to the workshop, After the Storm: A Workshop on Innovative Stormwater Management, February 10, 2003, PVCC, Charlottesville, by David Hirschman (then Albemarle County, *now* Center for Watershed Protection, Stormwater Services - djh@cwpa.org /434-293-6355), and Joe Battiatia (then VDOT, *now* Williamsburg Environmental Group, www.wegnet.com, 5209 Center St. Williamsburg, VA 23188, (757) 220-6869).

Virginia Stormwater Management Programs:

- Dept of Conservation & Recreation - Administers statewide mandatory Erosion & Sediment Control Law, Administers Stormwater Management Act, promotes regional SWM planning
- DCR - Division Chesapeake Bay Local Assistance - Chesapeake Bay Preservation Act mandates requirements for stormwater management and other land use requirements within Tidewater
- Dept of Environmental Quality- Implements federal requirements through VPDES permit program