



Stormwater Manual Builder

This is one of several tools designed to assist local stormwater managers with the development of their post-construction stormwater program. The tools are a companion to the Post-Construction Guidance Manual (www.cwp.org/postconstruction). The following tools are available:

For more information on the Post-Construction Guidance Manual, contact the Center for Watershed Protection, 8390 Main Street, 2nd floor, Ellicott City, MD 21046, 410-461-8323
center@cwp.org
www.cwp.org.

Tool 1: Post-Construction Stormwater Program Self-Assessment

Tool 2: Program & Budget Planning Tool

Tool 3: Post-Construction Stormwater Model Ordinance

Tool 4: Codes & Ordinance Worksheet (COW)

Tool 5: Stormwater Manual Builder

Tool 6: Plan Review, BMP Construction, and Maintenance Checklists

Tool 7: Performance Bonds

Tool 8: BMP Evaluation Tool

USERS' GUIDE TO THE POST-CONSTRUCTION MANUAL BUILDING TOOL

The number of stormwater guidance manuals created by states, regional entities, and localities has proliferated in recent years. As of 2006, approximately 36 states, the District of Columbia, several Canadian provinces and U.S. territories, and an uncounted number of localities and regional entities have developed stormwater guidance manuals. Because of the abundance of existing stormwater knowledge, most communities do not need to recreate the wheel and create a project review manual and/or engineering design manual from scratch. The trick to using the existing knowledge to develop a local stormwater manual is determining how to carefully adapt the abundant amount of existing guidance to meet local needs.

Adapting existing stormwater knowledge to develop a local stormwater manual can be a daunting task. If the existing stormwater guidance manuals were stacked on top of one another, the stack would be over ten feet high. The stack would contain tens of thousands of pages of material, much of which is redundant or recycled from other stormwater guidance manuals. To help local stormwater managers sort through the stacks of existing manuals to find the unique and useful information they need, this **Manual Building Tool** was developed. During the development of this tool, 51 state, provincial and territorial, and local stormwater guidance manuals were reviewed. The manuals that were reviewed came from every part of the country (and some parts outside of the country) and contain a wealth of useful stormwater knowledge.

The tool is intended to provide local stormwater managers with references to most useful existing stormwater guidance manuals and quick links to the most detailed and up-to-date information on particular post-construction stormwater management topics. While scoping out and developing content for local stormwater manual(s), stormwater managers will likely come across a number of topics that they need additional information about. This **Manual Building Tool** will help stormwater managers find this information by providing them with quick links to useful guidance materials. Instead of having to sort through the stacks of existing manuals to find the most useful information, stormwater managers can use this **Manual Building Tool** to quickly find the most useful information on the topics they are most interested in. Once they find the most appropriate material, the information can be customized to fit local conditions.

This **Manual Building Tool** includes a directory of selected state and local stormwater guidance manuals, two summary matrices that summarize the content of the existing statewide guidance manuals, and two manual reference indices that provide links to the 3 to 4 most useful design and policy manuals for over 50 different post-construction stormwater management topics. These topics are summarized in Table 1 on the next page.

The actual tool is contained within an associated spreadsheet.

Tool 5 Users' Guide: Table 1. Summary of the Manual Building Tool

Topic Areas for Design Manual	Topic Areas for Policy and Procedures Manual
<ul style="list-style-type: none"> • Stormwater Management Criteria <ul style="list-style-type: none"> - Stable Conveyance/Channel Protection - Flood Control - Groundwater Recharge - Water Quality • Special Criteria for Sensitive Receiving Waters <ul style="list-style-type: none"> - Groundwater Protection - Surface Water Protection - Trout Stream Protection - Wetland Protection - Site-Based Pollutant Load Reduction • Special Criteria for Tricky Development Situations <ul style="list-style-type: none"> - Ultra-Urban/Small Site Practices • Pollution Source Control/Hotspot Management • Smart Growth • Low-Impact Development • BMP Selection Matrices • BMP Fact Sheets • Detailed BMP Design/Performance Specifications <ul style="list-style-type: none"> - Bioretention - Filtration - Infiltration - Open Channels - Stormwater Ponds - Stormwater Wetlands - Green Rooftops - Porous Pavement - Rain Barrels - Rain Gardens - Experimental/Proprietary BMPs • Hydrologic and Hydraulic Models • Design Examples • Stormwater Credits • Detailed Landscaping Guidance • Detailed BMP Operation and Maintenance Requirements • Karst Topography • Arid/Semi-Arid Climate • Cold Climate 	<ul style="list-style-type: none"> • Ordinance Applicability <ul style="list-style-type: none"> - Redevelopment Criteria - Single-Family Lot Criteria • Application/Submittal Requirements • Plan Review Process • Plan Review Checklists • Permit Coordination • Maintenance Agreements and Plans • Deeds of Easement • Performance Bonds • Waiver/Fee-in-Lieu Programs • Construction Inspection Procedures • Construction Inspection Checklists • Maintenance Inspection Procedures • Maintenance Inspection Checklists • Violations, Enforcement and Penalties