

Survivors' Guide to the New Era of Stormwater BMPs

March 23 - 24, 2009

James City County Community Center



Special thanks to Andy Herr from the Tidewater Builders Association and a team of consultants from:

Williamsburg Environmental Group
AES Consulting Engineers
Timmons Group
Kimley-Horn
MSA, P.C.

Workshop Funding Support From:

- National Fish & Wildlife Foundation
- Altria/Phillip Morris USA

Workshop Agenda

Purpose: Two-day workshop with a technical component (design charette) and a program component to help localities in the HRPDC region understand and prepare for proposed stormwater regulations.

Monday, March 23 – Site Design Charette – Target Audience: plan reviewers, design engineers, others who want to work with the spreadsheet and test it on a particular site

9:00 – 10:00 Registration

10:00 – 10:10 Welcome and Overview of the Workshop
David Hirschman, Center for Watershed Protection

10:10 – 10:20 Brief Overview of Status of Regulations
Ved Malhotra, Virginia DCR

10:20 – 10:40 The Runoff Reduction Method, Major Themes
David Hirschman, Center for Watershed Protection

10:40 – 11:25 Demonstration of the Spreadsheet
Greg Hoffmann, Center for Watershed Protection

- 11:25 – 12:00 Split Into Design Teams, Review Site Report Forms, Begin to Review Plans
These 5 plans are from the Tidewater area and have been worked on by various consultants under the auspices of the Tidewater Building Association
- 12:00 – 1:00 LUNCH (*team may choose to continue working on plans*)
- 1:00 – 2:30 Work on Site Plans in Teams
- 2:30 – 3:15 Reports from Design Teams
- 3:15 – 4:15 Coastal Plain adaptations to BMPs; Questions/Comments
Tom Schueler, Chesapeake Stormwater Network

Tuesday, March 24 – Stormwater Workshop for stormwater managers, planners, stormwater/engineering/public works program staff, engineering consultants

- 9:00 – 10:00 Registration
- 10:00 – 10:20 Welcome, Overview, and Purpose of the Workshop
David Hirschman, Center for Watershed Protection
- 10:20 – 10:30 Status of Stormwater Regulations and Opportunities for Participation/Input
Ved Malhotra, Virginia DCR
- 10:30 – 11:30 Site Experiences and Test Cases
Joe Battiata, Williamsburg Environmental Group
Bob Cosby, AES Consulting Engineers
Mike Hess, MSA P.C.
Ted Miller, Kimley-Horn
Michelle Virts, Timmons
- Learn about the types of BMPs and comparative costs for a variety of Tidewater sites that have been worked on by a team of consultants through the Tidewater Builders Association*
- 11:30 – 12:15 BMP Adaptations in the Coastal Plain
Tom Schueler, Chesapeake Stormwater Network (CSN)
- CSN has developed some draft guidance on how BMP choices and design specifications might be adapted for coastal plain conditions. Ultimately, lessons learned about coastal plain BMPs can be folded into the evolving BMP specifications being developed to accompany the new regulations.*

12:15 – 1:15 LUNCH

1:15 – 2:45 Facilitated Breakout Groups
Choose one of the following topics for a break-out group discussion that will be reported back to the full group

Each group will discuss the following for each topic:

- 1. Main challenges*
- 2. Solutions/opportunities*
- 3. Policy or technical issues that need to be resolved. Possible future actions.*

- **BMP Maintenance**

What are the main issues with maintenance for different types of BMPs? How can program tools, such as maintenance agreements, help in the future?

Facilitated by David Hirschman (CWP) and Ved Malhotra (DCR)

- **TMDLs and Stormwater Management**

Increasingly, TMDLs are being linked to stormwater permits.

What are some national trends, and how will this shake out in the Tidewater area?

Facilitated by Jenny Tribo (HRPDC) and Tom Schueler (CSN)

- **Offsets & Offsite Mitigation**

What happens when requirements cannot be met on a site? How does recent General Assembly action and the provisions of the proposed regulations affect the ability to mitigate off-site? What do local programs need to do to develop an offset program?

Facilitated by Joe Battiatia (WEG) and Greg Hoffmann (CWP)

- **Lining Up Local Codes With the New Era of BMPs**

In many cases, there may be conflicts between local codes and use of certain BMPs. Learn about past code review projects in the James River Watershed and how to strategize future efforts.

Facilitated by Amber Foster (JRA) and Laurel Woodworth (CWP)

2:45 – 3:00 BREAK

3:00 – 4:00 Groups Report Back, Open Discussion

4:00 – 4:15 Future Plans, Evaluation, Adjourn