

July 9, 9am-noon. Starting at London Grove Township Building ending at Goddard Park, West Grove, PA.

AGENDA

Plant Based Solutions to Stormwater Management

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9am- 10:30am - In-class Component

Questions are encouraged throughout the in-class portion of this workshop.

- We ask that each attendee bring with them at least one specific question they would like answered regarding stormwater BMP's.
- Photos (with questions) are welcome ahead of time and we will make every effort to incorporate them into our presentation.
- We will provide a BMP monitoring checklist/handout

I. General Overview/Why we need to manage stormwater as a resource.

White Clay Creek Wild and Scenic National River

What is a Watershed?

Water Cycle & Water Movement

Traditional Stormwater Management

What are the problems associated with stormwater runoff?

How we are dealing with stormwater runoff now.

II. Structural Best Management Practices (BMPs)

Three main ways we deal with it today:

1. Confinement
2. Conveyance
3. Prevention

Why these methods often fail.

III. Plant Based Solutions to Stormwater Management

Common misconceptions

Principles of natural plant communities

1. Layers
2. Covering soil

IV. Case Studies

Reality

Mistakes that could have been avoided

Hypothetical example of a BMP (how a BMP should be installed using best-case scenario)

10:30-10:45am - BREAK

10:45- 11:00am carpool to Goddard Park

11:00am-Noon - On Site Component at Goddard Park, West Grove, PA

V. Developing a Maintenance Plan for your BMP (group exercise)

What is here now?

What is the function of what is here?

What could have been done better during site preparation?

What went wrong and how do we compensate for that now?

ID invasive/problematic species

How to identify other possible problems and remediate them

Weeding/Maintenance