

My Experiences With
Post-Construction BMP
Inspections & Maintenance

Steven W. Polk, P.E.



Protecting our Customers | Preserving our Environment

RAIN GARDEN

THE RAIN GARDEN IS DESIGNED TO HOLD STORM WATER RUNOFF SO IT CAN FILTER POLLUTANTS THERE ARE SPECIAL PLANTS IN THE BEDS WHICH ACTUALLY ASSIST IN THE PROCESS OF ABSORBING THE POLLUTANTS THE PLANTS ARE ALSO USED TO FEED AND ATTRACT BIRDS AND BUTTERFLIES

Post-Construction?

Say what?

Design
Construct
Inspect
Maintain

Design

Construct

Inspect

Maintain

*Designers
Get the hell out!*

Construct

Inspect

Maintain

Design

Contractors

The team needs you!

Inspect

Maintain

Design

Construct

Inspectors
Don't just look!

Maintain

Design

Construct

Inspect

Maintenance Providers

Know what's up!

Plus One?

Bye, Bye

Design

Construct

Inspect

Maintain

Hello

Consult

Design

Construct

Inspect

Maintain

Consult

Design

Construct

Inspect

Maintain

Consult

Individually good --- collectively great!

Thanks so much!

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Questions???



Photo courtesy of Jeffrey L. Bruce & Company, Landscape Architects

Post- Construction Stormwater BMP Practitioners Certificate Program

This specially designed program for engineers, contractors, inspectors, maintenance providers and other stormwater BMP specialists will set the standard for post-construction stormwater BMP design, construction, inspection and maintenance competencies in the U.S. mid-continent region.

During this session, EPA Region 7 will present the history of stormwater quality regulations and expert practitioners will introduce the range of disciplines and expertise necessary to successfully integrate the components of these stormwater treatment systems.

This program is also offered in Kansas City on April 11, 2013. See website for more details.

Take-Away Skills

- Describe how the EPA's past, present and future policies, regulations and rules impact stormwater management practitioners.
- Define the reasons for and the benefits of collaboration among the project team.
- Demonstrate practical knowledge about the pollutant removal potential of engineered soils and native plants.
- Apply know-how gained from recognized experts in all phases of post-construction BMP design, construction, inspection and maintenance.
- Distinguish the roles that designers, contractors, inspectors and maintenance providers are called upon to fulfill in these increasingly complex stormwater systems.



Course Outline

- 7:30 Breakfast
- 8:15 Welcome and Introduction
- 8:30 Regulations that Drive Site Development
- 9:30 Hydraulics, Hydrology, and Sediment Transport
- 10:30 Break
- 10:45 Cost-effective ways to satisfy NPDES regulations
- 11:45 Lunch
- 12:30 Interactive Example – Mock BMP Design
- 1:00 Incorporating Green Infrastructure
- 2:00 Construction Techniques That Make or Break
- 3:00 Break
- 3:15 Why Inspections and Maintenance Are Essential
- 4:15 The Good, the Bad and the Ugly – Real-Life BMPs
- 4:45 Open Forum Q&A
- 5:00 Networking
- 5:30 Close

Date: Tuesday, April 23, 2013

Schedule: 7:30 a.m. – 5:30 p.m.

Location: The Engineer's Club of St. Louis
4359 Lindell Blvd., St. Louis, MO 63108

Fee: \$260 (\$210 early bird rate by April 1)

Fee includes seminar materials, a light breakfast and lunch.



Register online today!
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POST-CONSTRUCTION STORMWATER BMP SPECIALIST

Design

Construction

Inspection

Maintenance