

Engineered Rainwater Collection and Case Studies For Sustainable Water Management

**Tuesday, October 27
from 12 noon – 1:30 p.m.**

Co-sponsored by the Rivanna River Basin Commission,
Thomas Jefferson SWCD, and Albemarle County

A live web seminar conducted by the American Society for Civil Engineers (ASCE)
Earn 1.5 Professional Development Hours (1.5 PDHs)

*Please arrive by **11:40 a.m.** to register and to ensure everyone is seated before the start of the live webinar.*

Where: Albemarle County Office Building (Lane Auditorium) – 401 McIntire Road,
Charlottesville VA

How much: It's **FREE, but PRE-REGISTRATION REQUIRED** (see back side)

In the summer of this year, ASCE presented an introductory webinar on Sustainable Water Management: Rainwater Collection Systems and Analysis. The webinar provided practical tools and tips to select and analyze rainwater collection systems. Design tips and operation and maintenance strategies were also discussed.

This is the second in a series of rainwater harvesting webinars from ASCE and will examine several case studies including residential, commercial, and park/public systems to illustrate system components, design, analysis, and operation. Participants receive insight into designing rainwater collection systems for commercial, residential, and public lands/parks projects.

This seminar focuses on practical applications of rainwater harvesting and case studies of systems that are "on the ground". Site layout, selection, and system sizing is also covered and recommendations for maximizing long-term system effectiveness are included.

Seminar Benefits:

- Gain exposure to up-to-date sustainable water management
- Understand how different applications affect design of rainwater collection systems
- Become familiar with several "on the ground" rainwater collection systems
- Discover how to maximize the long-term effectiveness of rainwater collection systems
- Enhance ability to engineer rainwater collection systems for public, residential, and commercial applications
- Earn 1.5 Professional Development Hours (1.5 PDHs)

Seminar Instructor:

Jennifer J. Walker, P.E., D.WRE, CFM, is Founder and President of Watearth, Inc. and is a nationally Certified Flood Plain Manager (CFM) and is a licensed Professional Engineer in multiple states. Walker is a nationally-recognized leader in stormwater management, hydrology and hydraulics, green infrastructure, detention, and Low Impact Development (LID). She has extensive experience in water resources planning, analysis, and design for land development, public works, and transportation projects, especially LID: harvesting rainwater, constructing bioretention & rain gardens, altering time of concentrations, amending soil, disconnecting impervious cover, removing impervious cover, and recycling gray water.

And, same day, same location: see page two (over)

**A Review of Virginia DCR Draft Rainwater Harvesting
Specification and a Local Case Study
Tuesday, October 27
from 1:45 pm to 2:45 pm**

The Rivanna River Basin Commission, with the Center for Watershed Protection and McKEECARSON and Field Sport Concepts, Ltd is hosting a short workshop after the Rainwater Harvesting webinar that focuses on Virginia opportunities for rainwater harvesting and tools to incorporate rainwater harvesting as a stormwater management tool:

- Introduction to the Virginia BMP Clearinghouse
- Review of the Draft Virginia DCR Stormwater Design Specification No. 6 (Rainwater Harvesting)
- Review of the Cistern Design Spreadsheet Tool
- Presentation of local rainwater harvesting case study utilizing the Cistern Design Spreadsheet
- Using the Cistern Design Tool with the Virginia Runoff Reduction Method

Where: Albemarle County Office Building, Room 235
401 McIntire Road, Charlottesville VA

How much: It's **FREE, but PRE-REGISTRATION REQUIRED** and *seating for this short course is limited to 40 participants.*

Light refreshments will be served. You may register for the mini-workshop only.

Please RSVP no later than 12 noon, October 26.

Registration:

Please email Alyson Sappington at Alyson.Sappington@vaswcd.org - -

- your name
- affiliation
- return email address
- phone number
- if you require PDHs
- whether you are registering for webinar, workshop or both

A confirmation email will be sent to you.