

Workshop and Webinar

Exploring Regenerative Stormwater Conveyances for Tennessee: Design, Installation and Performance Evaluation

Presented by Jon Hathaway, Ph.D., P.E., John Schwartz, Ph.D., P.E., and Jessica Thompson, Graduate Research Assistant, UT Dept of Civil and Environmental Engineering

When: Monday, July 24, 2017

Time: Workshop/Webinar - 9:00 am-12:15 pm EDT;

Site Tour - 1:00-2:30 pm EDT

Location: J.D. Tickle Building, Room 500, UT Knoxville;
Webinar - in front of your computer screen

A **Regenerative Stormwater Conveyance (RSC)** is an innovative approach to repairing local channel incision at stormwater outfalls, while simultaneously treating stormwater runoff, providing groundwater recharge, and establishing floodplain connectivity. These systems are especially beneficial because they can be used to retrofit areas with steep slopes, making them particularly useful when other standard practices would fail.

Objective: The University of Tennessee, in collaboration with Tennessee Healthy Watershed Initiative and Tennessee Water Resources Research Center, will be hosting a workshop/webinar to present Regenerative Stormwater Conveyances (RSCs) as a viable option of stormwater management in Tennessee. The workshop will cover:

- Overview of basic design principles of RSCs.
- Case study of an RSC in Knoxville with two years of monitoring data quantifying water quality and quantity performance and groundwater interactions.
- Discussion of a numerical modeling study investigating the critical design parameters and how they can be modified to promote performance and system stability.
- Lessons learned and utilization of RSC systems for real world projects.

The in-person workshop will be followed by a site tour of the RSC presented.

Register via Gooledocs at: <https://goo.gl/forms/bNtIyw9c2r8ML6yW2>

Register now for the Workshop (\$20 includes workshop, lunch and site tour) or Webinar (Free, 9:00 am-12:15 pm EDT). Once you register, a confirmation email will be sent. Advanced payment is required for the in-person workshop and site tour; an invoice will be emailed separately. Early registration is recommended as there are a limited number of spots. Professional Development Hours (PDHs) will be offered for both the workshop and webinar.

Questions? Contact Tim Gangaware at 865-974-2151 or tnwrrc@utk.edu.



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