

Permanent Stormwater Management Design Course



Agenda

Time	Topic
8:00 am	Welcome and Introductions
8:15 am	TN Runoff Reduction Assessment Tool (TNRRAT) <ul style="list-style-type: none">• Runoff reduction performance standards• Soils, climate, and special conditions• Model fundamentals
9:30 am	Runoff Reduction Achieved with Smart Site Design <ul style="list-style-type: none">• LID concepts to avoid, minimize, and manage
10:00 am	Break
10:15 am	Basic Design with TNRRAT <ul style="list-style-type: none">• Residential site examples (passive and sub-basin structural controls)• Subdivision development design using block approach• Small commercial simple site example
12:00 pm	Lunch – Install Design Level Template
12:45 pm	Stormwater Control Measures (SCMs) & Managements <ul style="list-style-type: none">• Overview of SCMs• Establishing management• Design considerations• Selection for success
1:45 pm	Inlet/Outlet and Bypass Design
2:30 pm	Break
2:45 pm	Advanced Design with TNRRAT <ul style="list-style-type: none">• Redevelopment with incentives• Site-constrained design with infiltration limitations• Multiuse plan with variable soils and special conditions
4:00 pm	Helpful Hints, Tips, and Addressing Barriers <ul style="list-style-type: none">• Saving files• Reporting• Barriers to implementation
4:30 pm	Adjourn

The **Design Level** access in TNRRAT will provide designers additional flexibility in SCM specifications by allowing them to change the engineering specifications from the standard set of specifications. For example, they may change the thickness and composition of media layers in bioretention applications or permeable pavement. Designers will also have access to additional model outputs such as time series data on storage and outflow rates from SCMs.

Workshop Sponsored By:

