

New England Stormwater Retrofit Manual

This presentation will walk through some of the key concepts and design principles contained in the New England Stormwater Retrofit Manual.

The New England Stormwater Retrofit Manual was developed in collaboration by VHB, the University of New Hampshire Stormwater Center, and EPA Region 1 with financial support from the Southeast New England Program Network. This presentation will provide a brief introduction to the regulations and programs in New England that necessitate the need for a stormwater retrofit manual, then provide highlights of the manual and its applications, which include the EPA Stormwater Control Measure Curves, retrofit specific design guidance based on the latest science, and stormwater control measure selection guidance and criteria for the retrofit scenario. The manual is based on the concept that incorporating some stormwater treatment for already developed sites (i.e. the retrofit scenario) is better than omitting treatment all together because prescribed design standards can not be fully met. The guidance in the manual can be utilized across a wide range of sites and scales in the New England region and beyond.

SPEAKER: Nate Pacheco is a Water Resources Specialist



on VHB's Water Resources Team. His experience includes water quality modeling, water quality monitoring and sampling techniques, stormwater management system design, NPDES and MS4 Permit compliance and support, geoprocessing tool development, and database design/asset management. Nate was a key contributor to the development of the New England Stormwater Retrofit Manual and has given numerous presentations at conferences, webinars, and to regulatory agencies on its contents. Nate is well versed in GIS, Python, SQL, FME and various geospatial models/tools, which he uses to support MS4 compliance work.

MODERATOR: Joanna Sullivan (She, Her)
Water Resources Designer, VHB

Lunch & learn webinar offered by the Young Professionals Committee

Wednesday
April 12, 2023
Noon–1:00PM

Register online: newea.org/registration/

Member - \$10

Non Members - \$20

1.0 TCHs credits are pending

New England Stormwater Retrofit Manual Links:

SNEP Network Landing Page

<https://snepnetwork.org/stormwater-retrofit-manual/>

Overview

<https://snepnetwork.org/wp-content/uploads/2022/07/Intro-to-New-England-Stormwater-Retrofit-Manual-and-SCM-Performance-Curves.pdf>

Stormwater Manual

https://snepnetwork.org/wp-content/uploads/2022/10/SNEP_Stormwater-Retrofit-Manual_Oct-2022-508c.pdf



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