



Horace Mann School's Cleaner and Greener Club in Bayonne, NJ take on a Rain Garden Initiative



The Cleaner and Greener Club at Horace Mann School (HMS) in Bayonne, New Jersey has been busy since September of 2015! The Cleaner and Greener Club had the opportunity to work with Passaic Valley Sewerage Commission (PVSC) and Rutgers Cooperative Extension (RCE) Water Resources Program to install a

rain garden at the front of the school to disconnect rooftop stormwater runoff. As part of their partnership with the PVSC/RCE team, the club members also educated fellow students of HMS, grades K-8, about rain gardens, rain barrels, and stormwater management.

The members of the club agreed that fellow students in HMS needed to be educated about the newly installed rain garden on campus, which reduces the impacts of stormwater runoff in urban environments. They divided themselves into small groups, devised a presentation, and visited classrooms to explain what rain gardens are and why they are important. Club members not only researched their topics, but also tailored educational material for each grade level. They put together power point presentations, posters, hands-on activities, pamphlets and a large school bulletin board for their school.

Students at HMS have learned about rain gardens and their importance in reducing stormwater runoff. They have also learned about environmental stewardship and community involvement in caring for the earth. In the upcoming spring season, students look forward to continuing their stewardship of their rain garden and rainwater harvesting system. When in Bayonne, be sure to visit the Horace Mann School's efforts in becoming cleaner and greener!



Maintaining Green Infrastructure in Camden, New Jersey

With over 40 green infrastructure projects in the ground across the City of Camden, the CamdenSMART Initiative partners are now challenged with making sure these systems continue to function and serve as models for future efforts in managing stormwater. This year, the Camden SMART partners are working with a new PowerCorps program to maintain several rain gardens in the city. Additionally, with funding from the New Jersey Department of Environmental Protection (NJDEP), the RCE Water Resources Program has expanded its partnership with the New Jersey Tree Foundation (NJTF) tasked with maintaining 20 green infrastructure projects in



Camden this year. Through PowerCorps and the NJTF, opportunities are created for local residents to learn about green infrastructure practices and help Camden SMART reduce stormwater runoff in the community. Our exciting partnership between the RCE Water Resources Program and the NJTF continues to grow and evolve as we work together to make urban communities in New Jersey become livable, healthy, and beautiful environments. Be sure to check out the latest work of the NJTF by following them on [Facebook](#) and [Twitter](#)!

Green Infrastructure Guidance Manual for New Jersey

The RCE Water Resources Program has been promoting the use of green infrastructure practices to retrofit existing development and manage stormwater. This manual is based on our experience with planning, designing, and implementing green infrastructure throughout New Jersey, as well as our extensive research on green infrastructure practices across the nation. The manual provides diagrams, engineering details, lists of benefits, and examples of implemented green infrastructure.

To view and/or download the Green Infrastructure Guidance Manual for New Jersey, please [click here](#).



The Paterson SMART Initiative

Like many of New Jersey's older cities, Paterson's water management is



dependent upon a Combined Sewer System in which both stormwater and sewage are collected in the same pipes and directed to a wastewater treatment plant. During heavy rain events and snow melts, this system can become overwhelmed and release wastewater directly into the Passaic River from a series of 17 outfalls in the City. Such events, known as combined sewer overflows (CSOs), create water quality concerns for the Passaic River and the residents of Paterson. The City of Paterson has partnered with the RCE Water Resources Program and local organizations to promote green infrastructure practices that reduce stormwater runoff and improve water quality.

As part of this partnership, Paterson SMART was formed in 2015. This collaboration of stakeholders is working to inform multiple organizations, community members, educators, researchers, developers, and property owners of the combined sewer issue in Paterson. The stakeholders are focused on reducing CSO events, educating residents on the benefits of green infrastructure in the community, and implementing green infrastructure throughout the City of Paterson's landscape.

The RCE Water Resources Program, as one of the 13 partners of Paterson SMART, recently received a \$500,000 grant from the NJDEP to begin building green infrastructure demonstration projects with Paterson SMART and local residents. In partnership with the City of Paterson and several city schools, the RCE Water

Resources Program is looking forward to beginning this important work. Look for green infrastructure projects being built in Paterson this year!

To receive updates on Paterson SMART's initiatives, visit PatersonSMART.org and follow us on [Facebook!](#)

NJ Future's Water Infrastructure Design Competition

Municipalities and utilities with combined sewer overflows (CSO) permits may apply for technical assistance and engineering support services to help design innovative projects that reduce CSOs and bring a range of additional benefits to the community. Applications are due April 15.

For more information, [click here](#).



UPCOMING EVENTS



**DHS Consortium:
Disaster Management for
Water & Wastewater Utilities
April 12 & 13, 2016 from 8:00AM to 5:00PM**

The New Jersey Office of Homeland Security and Preparedness will be sponsoring a two-day training program titled: "Disaster Management for Water and Wastewater Utilities" (MGT 343). The program will be instructed by The Texas Engineering Extension Service (TEEX), a member of the National Domestic Preparedness Consortium (NDPC).

The training will be held at the **Middlesex Fire Academy, located at 1001 Fire Academy Drive, Sayreville, NJ 08872**. There is **NO COST** to participate.

The Disaster Management for Water and Wastewater Utilities course is designed to provide training to water and wastewater professionals on issues concerning preparing for, responding to, and recovering from natural or man-made disasters that threaten water and wastewater facilities and systems. This course introduces the various natural and man-made (accidental or intentional) hazards to which water and wastewater systems may be vulnerable and the potential effects of hazards. Planning for and managing incidents are discussed, as well as disaster mitigation, response, and recovery specific to drinking water and wastewater systems. Participants are guided through portions of the Environmental Protection Agency (EPA) Response Protocol Toolbox (RPTB) to identify steps in the response and recovery processes. Case studies on a variety of disaster incidents, as well as hypothetical situations for water and wastewater incidents, are examined. Participants are also given the opportunity to practice developing a disaster response and recovery plan for a disaster affecting a drinking water or wastewater facility or system.

Registration

All participants must have a FEMA Student Identification Number (SID). To create, retrieve or for additional information, visit: <https://cdp.dhs.gov/femasid/>

Spaces are limited and preregistration is required. For your convenience, an online registration is available at <https://www.surveymonkey.com/r/NJMG343>.



For further registration details, contact Michael Urbanski at MUrbanski@njohsp.gov or (609) 588-2128.



presents

4th annual

SMARTforum

Wednesday, April 20, 2016

8:30am - 1:30pm

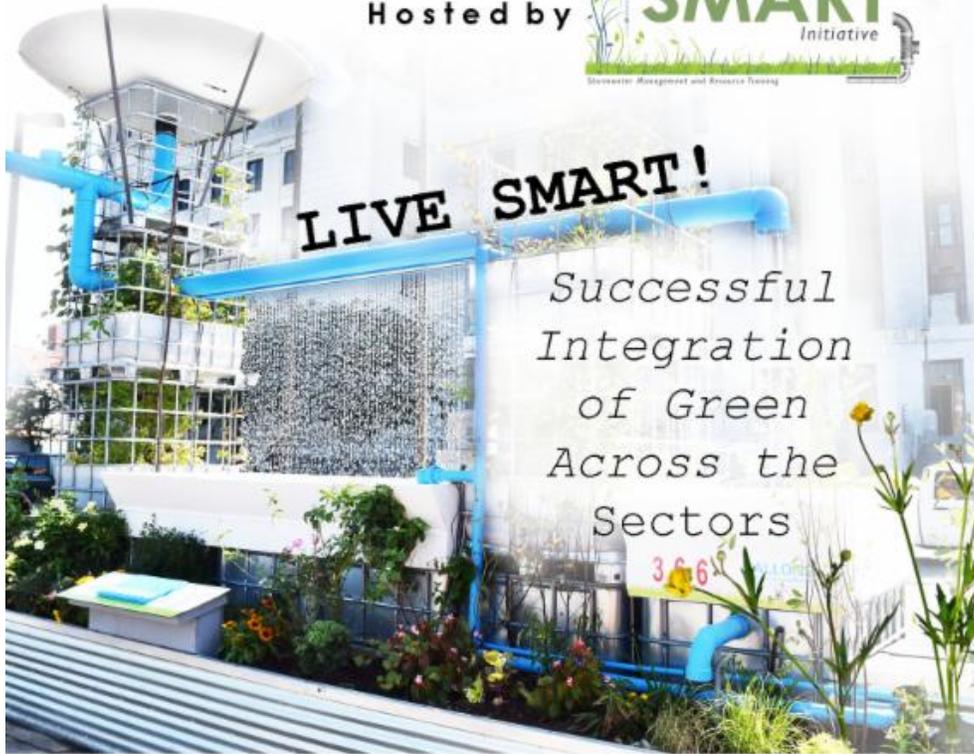
Currents the Ballroom, Adventure Aquarium
1 Riverside Drive, Camden, NJ 08103



RUTGERS



Hosted by



To reserve exhibit space at the forum, please contact:
Caroline Gray | Cooper's Ferry Partnership
cgray@coopersferry.com | 856-757-9154

REGISTER NOW
at
camdensmart.com

Complying with New Jersey Stormwater Regulations Workshop



"Protecting Public Health and the Environment"

Join the professional staff from the RCE Water Resources Program on May 13, 2016 at this workshop from 9:30 am to 3 pm at the Center for Environmental and Life Sciences at Montclair State University. The morning session will highlight steps to guide you and your municipality to ensure that new development is in compliance with the New Jersey stormwater management regulations.

RUTGERS

New Jersey Agricultural
Experiment Station



The afternoon session will focus on understanding the importance and benefits of inventorying your municipality's stormwater infrastructure while complying with the state's MS4 permits.

To register and learn more about the workshops, please visit our website by [clicking here](#).

RCE Water Resources Program | New Brunswick, NJ 08901 | M-F 8:30 - 4:30pm

