

National Disaster Resilience Regional Stormwater Infrastructure Toolkit Public Workshop

January 9, 2019



Welcome to the NDR Regional Stormwater Infrastructure Toolkit Workshop January 9, 2019

Today's Workshop will review toolkit progress and the tools developed so far. The toolkit seeks to create a set of voluntary tools to aid New Jersey communities with regional stormwater management planning processes and will be piloted within the Meadowlands region of Bergen County. The toolkit focuses on developing best management practices for stormwater infrastructure operations and maintenance and associated job training methods, with an emphasis on green infrastructure. Several stormwater and resilience guest speakers will present throughout the day. A detailed workshop agenda is provided within this packet.

This packet also includes the following workshop materials:

- Comment sheet to provide feedback and submit follow up questions
- Module 1 asset management and O&M planning process breakout session form
- Module 2 RACI chart exercise
- Post workshop evaluation questionnaire

Continuing Education Credits Information

Six (6) training contact hours applicable towards annual license renewal for Water Supply & Wastewater Licensed Operators are also available, 3 for the morning session and 3 for the afternoon session. 5.5 technical continuing education credits are available for Licensed Site Remediation Professionals (LSRPs).

To receive credits, an attendee must:

- Participate in presentations and breakout sessions
- Be documented by signing the sign-in and sign-out sheets
- Complete the post workshop evaluation questionnaire



Wi-Fi*

Name: Teterboro WiFi
Password: @90moonachie

**may not work in Civil Air Patrol room*

For more information, please contact:

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Agenda

Room	Time Slot	Activity	Learning Objectives	
Civil Air Patrol Room	8:30 AM to 8:45 AM	Introduction NDR Toolkit Team & Overarching Goals of the Workshop <i>Presenters: Dennis Reinknecht and Taylor Forster (DEP)</i>	<ul style="list-style-type: none"> Introduction to the National Disaster Resilience Stormwater Infrastructure Toolkit. New upcoming projects for the region including resilient grey and green stormwater infrastructure that will help improve current stormwater management. Learn about green and grey stormwater infrastructure techniques and applications. Why some techniques are preferred in different environments and settings and how they can be implemented (e.g., rain gardens vs. porous pavements). 	
	8:45 AM to 9:30 AM	Introductory Stormwater Infrastructure Presentation <i>Presenters: Alexis Taylor (DEP), Jonathan Carey, AICP (Louis Berger), David Ksyniak, PE (CDM Smith)</i>		
	9:30 AM to 9:40 AM	Q&A/Open Forum		
	9:40 AM to 9:55 AM	Green Infrastructure Design With Maintenance in Mind <i>Presenter: Virginia Roach, PE (CDM Smith)</i>		
	9:55 AM to 10:00 AM	Q&A/Open Forum		
	10:00 AM to 10:15 AM	Break		
	Module 1: Operation & Maintenance (O&M)			
	10:15 AM to 10:35 AM	Utility Asset Management <i>Presenter: Ed Carpenetti, PE (Louis Berger)</i>		<ul style="list-style-type: none"> Introduction to asset and utility management and best practices for regional communities, including asset registry and interactive field maps. Bringing documentation and tracking of utilities and assets into the 21st century. Learn about the current status of stormwater management O&M in New Jersey and how New Jersey can benefit from expanded, more regional O&M organizational structures. A review of different types of regional entities that might improve stormwater management O&M. Learn about native plant use for green infrastructure design and O&M.
	10:35 AM to 10:50 AM	Asset Management Software Assessment Tool (AMSAT) <i>Presenter: Brian Porter (CDM Smith)</i>		
	10:50 AM to 11:10 AM	Institutional Options for Improved Stormwater O&M <i>Presenter: Bill Cesanek, AICP (CDM Smith)</i>		
11:10 AM to 11:20 AM	Q&A/Open Forum			
11:20 AM to 12:05 PM	Breakout Session: Obtain feedback on successful components, challenges, and recommendations for implementation of asset management/O&M planning process for stormwater infrastructure			
12:05 PM to 12:20 PM	Restoring Native Plants in the Meadowlands <i>Presenter: Don Torino (Bergen County Audubon Society)</i>			
12:20 PM to 12:25 PM	Q&A/Open Forum			
Lunch: 30 minutes (12:25 to 12:55 PM)				
Port Authority Executive Conference Room				

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Room	Time Slot	Activity	Learning Objectives
Port Authority Executive Conference Room	Module 2: Job Training		
	12:55 PM to 1:25 PM	Case Studies: Green Stormwater Infrastructure Projects and Lessons Learned <i>Presenter: Chris Perez, PhD, PE (Rutgers University New Jersey Agricultural Experiment Station)</i> <i>Presenter: Fran Lawn (The Sustainable Business Network of Greater Philadelphia)</i>	<ul style="list-style-type: none"> ▪ Learn about green infrastructure projects and lessons learned. ▪ Responsibility charting as a management tool to determine roles and relationships among public stakeholders and municipal personnel in maintaining stormwater infrastructure. ▪ Community involvement in training programs and establishing stormwater management program goals at a municipal level. ▪ Overview of training programs to facilitate growth and expansion of skill sets for stormwater career professionals to develop long-term capacity for stormwater infrastructure O&M.
	1:25 PM to 1:35 PM	Q&A/Open Forum	
	1:35 PM to 1:50 PM	RACI Table as an Asset Management Tool <i>Presenter: Melissa Harclerode, PhD, BCES (CDMS)</i>	
	1:50 PM to 2:30 PM	Job Training, Career Development, and the National Green Infrastructure Certification Program (NGICP) <i>Presenter: Margaret Stewart (LBG) and Adriana Caldarelli (NGICP)</i>	
	2:30 PM to 2:50 PM	Q&A/Open Forum	
Closing Thoughts/Recap 2:50 PM to 3:15 PM Please complete workshop evaluation forms, required to obtain CEUs			