



ITRC Stormwater Team Meeting Intercontinental New Orleans Hotel, 2017

Meeting Objectives:

- 1. Resolve inconsistencies among chapters and tool.**
- 2. Review and finalize the survey questions**
- 3. Revise text and finalize assignments for further revisions**

Team Co-Leaders: Rebecca Higgins – MN, Allison Dunaway - Virginia

Program Advisor: Steve Hill, RegTech Inc

Room: Acadian

Teleconference: None

Team Description

The stormwater industry, regulators and stakeholders share a strong interest in developing tools to improve Stormwater Control Measures. Facing a diversity of stormwater management laws, regulations and local mandates, regulators have no national consensus on how best to determine the capabilities of best management practices (BMPs) to reduce stormwater flows and pollutant loads into the nation's water bodies. In addition to appropriate selection and design, stormwater BMPs must be properly installed and maintained to provide the expected flow control and pollutant-load reduction over the project lifetime. The Team will identify best methods for evaluating the pollution-reduction capabilities and performance of BMPs for Clean Water Act compliance purposes.

The team is comprised of experts that will produce technical guidance and related internet-based training on proper methods of evaluating stormwater BMP performance nationally. Parties implementing BMPs may use the resulting performance verification information to demonstrate regulatory compliance, including seeking credits as applicable.

What is the primary objective of the Stormwater Best Management Practices (BMP) Performance Verification Team?

The new ITRC Stormwater BMP Performance Verification Team (Team) reflects ITRC's five-year strategic commitment to expand beyond its traditional remediation roots. While recognizing that ITRC's very successful model can and should be applied to a broader set of environmental challenges, ITRC's strategic plan assures that remediation remains ITRC's core focus.

The primary objective of the Team is to identify the following:

- (1) Identifying the regulatory barriers to the implementation of innovative stormwater BMP products;
- (2) Best methods for evaluating the BMP pollution-reduction capabilities and verifying performance over their project lifetime; and
- (3) Opportunities for crediting successful BMP implementation for end-users.

The Team will build upon the nationwide and individual-state efforts of others who are working to launch stormwater management innovations, such as the work of local/State stormwater trade associations including the Water Environment Federation (WEF) Stormwater Testing and Evaluation for Products and Practices (STEPP) Project. The STEPP aims to create a permanent National Program for products and practices testing, evaluation and verification. Rather than duplicate the efforts of others, the Team will capture their work and create complementary products useful to industry and its governmental partners.

What will be our Team product scope?

The guidance will be a nation-wide protocol/framework/process to show the user how to use existing data and databases/information with performance information to evaluate structural BMPs, post-construction, at the site-specific level for design, selection, operations and maintenance.

How will our products assist State and local regulators, and regulated dischargers?

Facing a diversity of stormwater management laws, regulations and other mandates, regulators have no national consensus on how best to determine the pollution-reduction capabilities of stormwater BMPs that reduce stormwater flow and associated pollutants into the nation's waterbodies. As the Team proceeds with their work, the Team objective will be refined based on State and federal regulatory needs identified by team member expertise and experience. The Team will develop a testing protocol for verifying BMP effectiveness over time, which will assist State and local regulators, and federal agencies, in determining practical pollution-reduction performance over the lifetime of a given compliance project. The Team products will also assist dischargers, such as private property owners, achieve regulatory compliance while identifying unique opportunities to be credited for implementing successful BMPs. Because our guidance and training will be made available online, these products will increase the use of storm water management tools in a more accurate and consistent manner.



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Wednesday March 29 th 2017			
	7:00 am	Breakfast	
1	10:30 am	Welcome and review of agenda ¹	Rebecca, Allison and Steve
2	9:00 am	Objective # 1; Around the table highlighting major issues from team review. ²	Steve, Rebecca, and Allison
10:00 am Break			
3	10:15 am	Workgroups – identify areas within the chapters that do not coincide with the resolutions in session 1 and highlight and make assignments to revise them ³	Subgroup leaders
4	11:15 am	Report out from subgroup leaders on the status on Session 3	Subgroup Leaders
12:00 pm Lunch On your own			
5	1:00 pm	BMP Data Assessment Tool: examples and review ⁴	Doug Howie and Mike Trojan
3:00 pm Break			
6	3:15	Objective # 2: Survey review and finalization ⁵	Rebecca, Allison and Steve
7	4:30 pm	SERDP/ESTCP project presentations	Rebecca and Jeff Heath, AMEC
8	5:00	Update on STEPP	Chris French
9 5:30 pm Summary of Days meetings and Adjourn			
	6:15 pm in Lobby	Dinner at the Evangeline's http://www.evangelineneworleans.com	All

¹ Rebecca and Allison welcome everyone; Steve will explain the intent of the two-day agenda. Review the Ten Commandments.

² There are many things that aren't consistent between the tool and the chapters. We can identify many of those things, and we should, but the team can also help identify those issues. We need to offer the resolution before breaking into work groups. For instance "we are only including BMPs that treat pollutants. We are not including flow control BMPs." We need to revisit the Framework Graphic, the Tale on existing verification programs, Case Studies, abandonment of the shovel rating system in Operations, definitions, acronyms, references

³ Subgroups should lead a review of their chapters to identify and assign someone attending to revise the section consistent with the issues in session 2.

⁴ Doug and Mike can discuss there examples and discuss any suggested changes/issues. Leave the session with Volunteers to complete the tool table, information sheets and links

⁵ Rebecca and Allison lead a discussion of the questions in the survey. They need to be concise, answerable with only moderate research, useful to our document (tool and Guidance), illustrate something to the users that is helpful.



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Thursday March 30th 2017 <i>Draft agenda – content will be driven and changed by day 1 outcomes</i>			
	7:00 am	Coffee	
9	8:00 am	Review of agenda ⁶	Rebecca and Allison
10	8:30 am	Objective 3: Working sessions – in working groups step through the comments and provide a resolution to each. If material requires additional revisions make the assignment. ⁷	Subgroup leaders
	10:00 am	Break	
11	10:15 am	Continue working sessions.	
12	11:30 am	Subgroup leaders should report on questions that may affect other chapters and how to resolve them.	Rebecca and Allison
	12:00 pm	Lunch	On your own
13	1:30 pm	Objective # 3: Continue working sessions – in working groups step through the comments and provide a resolution to each. If material requires additional revisions make the assignment	Subgroup leaders
	3:00 pm	Break	
14	3:15 pm	Objective #3: Working sessions – in working groups step through the comments and provide a resolution to each. If material requires additional revisions make the assignment	Subgroup leaders
15	4:30 pm	Review of actions, next steps and schedule	Rebecca and Allison
	5:00 pm	Thank you and Adjourn	Rebecca and Allison

Issue of inconsistency

- We are only including pollutant treatment BMPs in the tool. We are not including flow control BMPS

⁶ Assuming we completed the agenda on Day one, we should refresh everyone’s memory from day one. 1. Inconsistencies among chapter, 2. Comments received on content during the team review of the first draft to prepare them for the working sessions. We should revisit old facilitated sessions and objectives. **We may have misplaced some of them while preparing and revising the guidance.**

⁷ Each element should instruct the users how to do something. In each element; what is the outcome for the users? For instance at the end of design; what is the takeaway before moving into installation. Another example in O &M when they measure BMP performance how is it packaged to deliver back to the Data collection and applicability section?