

ASCE/EWRI WWSC-UWRRC Joint Task Committee on
Guidelines for Certification of Manufactured Stormwater BMPs

Meeting Minutes
Kansas City, Missouri
May 19, 2009

Attendees

Hans DeBruijn, Gordon England, Qizhong (George) Guo, John S. Gulliver, Charlene Johnston, James H. Lenhart, Jonathan McDonald, Omid Mohseni, Kwabena Osei, Scott Perry, Robert M. Roseen, Betty Rushton, John J. Sansalone, Masoud Kayhanian, Jy Wu, Mike Buechter, Daniel Smith

Phone conference participants were as follows: Graham Bryant, Matthew Davis, and Grace Wong.

George Guo of Rutgers University kicked off the meeting.

Approval of the 2008 meeting minutes, moved by Gulliver, seconded by Roseen, motion carried.

Review of meeting agenda.

Review of committee purposes and objectives.

- Kayhanian asked if the committee product will be published. The answer was that currently the plans are limited to outlets within ASCE Guidelines Report. Subcoms will need to work to get it into published form for ASCE.
- Lenhart asked that we work with BMPDB for info and analyses parity. Roseen answered that this is being worked on and that it will be covered in the subcom on Data Reporting and subcom on Data Analyses.

Review of Timeline.

Report from Chair (Guo).

Reports from Subcommittee Chairs.

Members made the following comments:

- England. Has there been discussion about bringing the task committee to a standing committee level? Guo answered that the focus had been on finishing the current task committee work. New separate task

committees could be proposed under the existing standing committees, or a new standing committee could be proposed to cover several new task committees.

- Sansalone. Need to put science first ahead of rule making.
- Kayahanian. Regulations that have been made 20 years ago were based on the available science. If the new scientific information is available and help to better regulate, then we should use the new science.
- Roseen. Should consider another subcommittee for next steps. Recommendations for adoption and implementation.
- England. Will the full committee comment on subcommittee reports? What is the procedure?
- Kayahanian. Recommends subcommittee and full committee review.
- Gulliver. We need to adopt a format for the report, what will it be?
- England. Will send Chair the ASCE guidelines for formatting.
- Gulliver. Moving forward. Rewrite complete for 2009 meeting. Should be done by 2010 meeting.
- Kayahanian. Recently stepped in as Data Analysis sub com chair, per invitation by the Chair. He also would like to have more participation from the committee members.

Discussion of how to do data reporting. The development of a testing report for 1) lab testing, 2) for field testing. There will need to be collaboration between subcoms on field, lab, analysis, and reporting.

What is the appropriate length? 60-100 pages. 12-15 pages single spaced limit for each subcom.

- Sansalone. Field testing subcommittee developed good discussion in the last few months. Embrace variability by examining performance probabilistically. They recommend increase in NJDEP storms to 20-25. The goal of developing a universal protocol that can be used region or nationwide.
- Lenhart. Reduce DQOs requirement and compensate by increasing storm numbers probabilistically.
- Guo & Sansalone. Discussion about inclusion of CFD/modeling for permitting. Univ of Minnesota has published work on performance curves. Requires examination of PSD.
- Wu. Need solid guidelines on field testing.
- Sansalano. With detailed enough database we should be able to model/predict BMP behavior
- Omid. Active subcommittee, 10 of 12 are participating with multiple (6) conference calls. Has been spirited discussion. Varied consensus. 4 chapters drafted to date. Should be completed soon within next 6 months.
- Osei. Concerned that regulators are not participating in task committee. In that they may be unwilling to adopt later on.
- Roseen. Data reporting subcommittee will complete report within the next 6 months. Next step is to circulate to full committee, discuss what a mock report would look like, discuss what to do with lab reporting. Asked by the Chair to work with BMP data base group. Use statistical analysis of BMP data base.
- Sansalone. Particulate matter (PM) and sediment characteristics, maybe a good alternative verbage to SSC and TSS.

NJDEP Draft Protocols. Comments sent from 7 committee members to NJDEP. 5 committee members shared with committee. Gulliver and Roseen will send comments to George.

Next Actions

- Post committee papers on the committee web site: <http://watertech.rutgers.edu>
- Invite full committee for comments on subcommittee papers with deadline of July 31st.

- How to combine final product. Options: 1) subcom chairs, 2) working group. Likely to be a combination of subcommittee chairs and workgroup.
- September 30th draft of subcommittee final report
- October 30th workgroup meet to resolve inconsistencies, if any
- Early November workgroup will coordinate a conference call with the subcommittee chairs to resolve inconsistencies, if any
- January 31st workgroup will merge first draft of final report
- March 31st receive all comments from full committee
- May 2010 first full final draft

Workgroup: Q. Guo, G. England , J. Lenhart, J Wu, J. McDonald

EWRI 2010

- Panel discussion in place of full session, with subcommittee chairs and workgroup

Next Meeting

- Conference call: October/November 2009
- EWRI 2010