

ASCE/EWRI Task Committee on  
Guidelines for Certification of Manufactured Stormwater BMPs

Phone Conference Minutes  
April 22, 2008

Attendees

Qizhong (George) Guo (Chair), Gordon England (Vice Chair), Charlene Johnston (Secretary), Robert Traver (Chair of Stormwater Infrastructure Committee), Omid Mohensi (Laboratory Testing Chair), Rob Roseen (Data Reporting Chair), Ernie Carasco (ASTM Liaison), John Gulliver (Scale Up Chair), Masoud Kayhanian, Hans DeBruijn, Richard Field (Chair of Urban Water Resources Research Council), Uday Khambhammettu, Mark Miller, John Sansalone (Field Testing), Scott Struck

George Guo of Rutgers University kicked off the meeting. The purpose of the meeting was to update the members on progress of the Committee and the Subcommittees, as well as to determine what we need to bring to Hawaii and expectations there.

- 1 session: 5 Committee papers to be presented at EWRI Congress. George to moderate the session.
  - Entire committee
  - Scaling subcommittee
  - Reporting
  - Maintenance
  - Field Testing
- Task Committee Annual Meeting will be Friday night (May 16) at 6:00 PM.
  - George will try to shift the time a little earlier.
  - Requested projector and conference call hookup.
  - Some members will not be able to attend the annual meeting but will be in attendance at the TC technical session scheduled for Friday afternoon.
  - Omid would like to present his Lab Testing Subcommittee work during the annual meeting
  - Any Subcommittee that is not presenting in the Congress TC technical session will have opportunity to present at annual meeting. Please NOTE: presentations will be limited to 10-15 minutes per Subcommittee.
  - Travel reimbursement is approved for all Committee Officers and Subcommittee Chairs
- Items added to the Website (<http://watertech.rutgers.edu>)
  - Updated Committee rosters
  - Recent Protocols (Wisconsin, TAPE January 2008 Version, et al.)
  - Publications
  - Subcommittee reports
- Subcommittee Update Reports

- Lab Testing (Omid Mohseni): Presenting draft lab testing standard for Hydrodynamic Separators (10-15 min presentation), received many reports/protocols/guidelines from different states, preparing a summary report (pros and cons and protocols for assessing) of the lab testing standards across the nation, will send to Subcommittee members by end of month, distribute to entire committee in Hawaii, tentative date for confer call on May 9<sup>th</sup> with Subcommittee members, hope to get together this summer with members.
  - ASTM Committee Progress: At least 4 of our TC members are members of the ASTM laboratory standard committee. Developing testing method, not how to interpret the data. Sending out for comments to entire ASTM committee now. Going for vote in June. If you want a vote on ASTM, you need to become a member. He will present and then submit a draft after.
  - George said, we don't have to reinvent the wheel. Our Committee will review the ASTM Lab Testing Standard Method and potentially accept it.
  - George requested Omid to identify a person to kick off development of the filtration device testing protocol.
- Data Reporting (Rob Roseen): Drafted and reviewed annotated framework, reviewed existing protocols for types of data reporting, identifying additional info needed, and submitted conference paper.
  - Looking for prescriptive summary data that is reviewable for nontechnical professionals—while providing sufficient detailed info in the appendices for the tech professionals that want to sink their teeth in. Don't want to unduly burden the vendors, purpose is to accelerate the review process.
  - Focus just on field testing and not lab testing since that's taken care of with the Lab Subcommittee. But we have not yet met with them. Perhaps, we can meet with Field Testing Subcommittee in HI.
  - Trying to set up a Subcommittee meeting in HI.
- Scaling (John Gulliver): Gathered reports/protocols/guidelines, debating, need to summarize. Hydrodynamic structures can be too big to be tested in lab, so what happens when they have a large structure to scale up. Reviewing well verified computational models to help develop the scaling criteria.
  - Comparing Hazen theory (not for highly turbulent flow) vs Peclet number. They have similar applications but are designed to do different things so terminology needs to come together.
  - Watching for how many labs will be able to actually perform the lab testing.
- Field Testing (John Sansalone): Reviewed existing reports and submitted conference paper.
  - Challenging to gather hydrologically representative data and water chemistry will be difficult to do in an accelerated way. Regional

and climate differences need to be considered, while being realistic.

- Maintenance (George provided update): Bill Hunt is Chair but was not present. Subcommittee met in December, prepared a brief report from meeting, and submitted conference paper.
- Data interpretation (George provided update): Shirley Clark is Chair of Subcommittee; she was not on the call. Need to discuss the progress in HI.

Actions:

- Received a request from WERF on review of International BMP Database. Data format to review by Data Reporting Subcommittee. Rob is reviewing but 90+ page document, so he will coordinate with the database project team.
- Should be able to put our conference papers up on the Committee website. George will post them and send emails to membership and ask for their review.