

EWRI ACTIVITIES

NEW COUNCIL/COMMITTEE PROPOSAL

Proposed Committee/Council Name: Guidelines for Certification of Manufactured Stormwater BMPs

Division/Council: Water, Wastewater, and Stormwater Council (WWSC) and Urban Water Resources Research Council (UWRRC)

Parent Committee: Stormwater Infrastructure Committee of WWSC and Wet Weather Flow Technologies Committee of UWRRC

Type of Committee: Standing Committee Task Committee

Committee Purpose (for publication in ASCE *Official Register*)

The proposed task committee will review existing certification programs for various manufactured stormwater Best Management Practices (BMPs) and seek input on certification methods and content from a variety of stakeholders including but not limited to engineers, scientists, regulators, manufacturers, vendors, and owners. This review and input will be used to develop new guidelines. The issues to be considered will include laboratory testing methods, field monitoring requirements, performance criteria, design flows or volumes, scaling laws, maintenance procedures and schedules, and other issues of relevance and importance.

Committee Objectives (Publication or other end product)

A document of developed guidelines (a technical guidance manual) will be published by ASCE. Intermediate and final products will be presented at the ASCE/EWRI Congress and possibly other professional meetings, and will be published in peer reviewed ASCE journals as well.

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Committee Officers: All must be EWRI Members

Chair Name: Qizhong (George) Guo

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ASCE/EWRI ID#: 269834

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Vice-Chair Name: Gordon England

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Secretary Name: Charlene Johnston

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Preferred E-mail Address: Charlene.Johnston@amec.com Alternate E-mail Address:

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Attach list of other committee members, if known (all need not be EWRI members)

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Justify this committee, and relate how it attends the mission and focus of your Division/Council:

Manufactured Stormwater BMPs are an integral part of the stormwater infrastructure as well as the wet weather flow technologies. They are commonly used but there is a lack of guidelines regarding the use of these manufactured devices. Part of our mission is to explore the evolving technologies of non-point source stormwater controls.

Does this committee's function overlap with other Society committees?
Yes or No

If yes, explain:

Yes.

This task committee will build upon products from other committees on field monitoring and lab testing methods and progress to the final certification that the design engineers and permit issuers can directly use.

Both the WWS Council and the UWRR Council could address this need.

If yes, give names of people contacted and explain nature of contacts to insure efforts are not duplicated:

Richard Field, Chair of the Urban Water Resources Research Council. Mr. Field offered his support and suggested a joint venture. He subsequently contacted and received support from the Wet Weather Flow Technologies Committee of the UWRR Council.

Show milestone dates for completion of draft documents, finished documents, sessions planned, meetings, etc. for two year period. Use extra pages if necessary:

May 2007: Kickoff Committee Meeting at 2007 ASCE/EWRI Congress.

October 2007: Complete reviews of existing varied certification programs.

May 2008: Identify new development needs. A session or a paper will be presented at the 2008 ASCE/EWRI Congress.

October 2008: Complete preliminary development of the new guidelines.

May 2009: Complete final development of the new guidelines. A session or a paper will be presented at the 2009 ASCE/EWRI Congress, the new guidelines document will be published by ASCE, and a peer-reviewed journal paper will be prepared and submitted to ASCE.

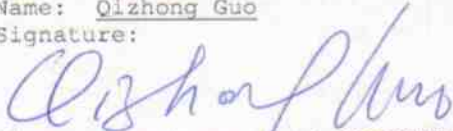
Show funding requirements for planned committee activities. Use extra pages if necessary. Subcommittees are not funded and may omit this section.

\$7,500 total travel expenses for up to 5 control members three times over two years. The conference calls will be arranged by ASCE/EWRI.

Person preparing this proposal:

Name: Qizhong Guo

Signature:



Date:

2/23/07

Please attach proposed **COMMITTEE CHAIR NOMINATION BIOGRAPHICAL INFORMATION** form that includes statement of willingness to serve.

Bio of Qizhong (George) Guo

I am currently an associate professor of civil and environmental engineering at Rutgers, The State University of New Jersey. I am also a licensed civil engineer. I received my Ph.D. degree from University of Minnesota. My expertise is in hydraulics, hydrology, and water quality.

I have published over eighty journal articles, conference papers, and technical reports; received and directed over thirty research grants and contracts; and have supervised over seventy post-doctoral, doctoral, Masters, and undergraduate students in their research.

In the recent years, I have conducted research projects for the New Jersey Department of Environmental Protection (NJDEP) on certification of stormwater manufactured treatment devices (MTDs), and have worked with the New Jersey Corporation for Advanced Technology (NJCAT) and MTD manufacturers/vendors on verification of laboratory and field performance. I have also worked with NJDEP and the New Jersey Department of Transportation (NJDOT) on stormwater BMPs retrofit and application.

I am a controlled member of the Stormwater Infrastructure Committee under the ASCE/EWRI Water, Wastewater, and Stormwater Council, and a member of the ASCE/EWRI Urban Water Resources Research Council. I am also a member of the project subcommittee for stormwater-borne solids of the Water Environment Research Foundation (WERF).

I am willing to serve as the Chair of the proposed task committee.

Approval by:

Date:

Start date:

Termination date:
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