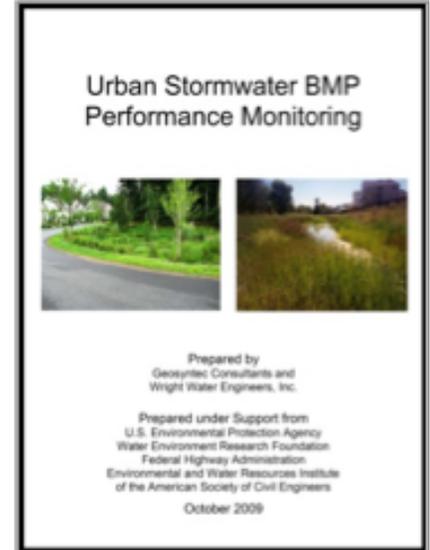


## International Stormwater BMP Database (Urban BMP Database and Agricultural Database)

In the mid-1990s, members of the Environmental and Water Resources Institute's (EWRI's) Urban Water Resources Research Council (UWRRC) identified a need to gather technical design and performance information to improve urban stormwater BMP selection and design so that local stormwater problems can be cost-effectively addressed. Thus, the International Stormwater BMP Database project ([www.bmpdatabase.org](http://www.bmpdatabase.org)) was initiated. The U.S. Environmental Protection Agency (EPA) initially funded the project, and in 2004, the project transitioned to a more broadly supported coalition of partners led by the Water Environment Research Foundation (WERF), and including the American Public Works Association (APWA) and the Federal Highway Administration (FHWA), as well as the American Society of Civil Engineers (ASCE) and EPA.



The purpose of the project was to develop a national database that enables users to evaluate pollutant removal characteristics of various BMPs and assess how differences in BMP design influence the effectiveness of pollutant removal and the control of runoff rates to receiving waters. The long-term goal of the project is to promote technical design improvements for BMPs. WWE's Jonathan Jones is a co-principal investigator for the database, and Jane Clary serves as WWE project manager and team coordinator. The database has over 530 BMP datasets along with data analysis summaries of individual BMPs and overall BMP categories. Through involvement and familiarity with the data sets in the database, WWE has a strong background in the effluent quality that can be expected from various BMP types.

In March 2012, the National Corn Growers Association, Missouri Corn Growers Association, Water Environment Research Foundation, WWE and Geosyntec kicked off a new project to develop an Agricultural BMP Database. The approach will be parallel to that used in the International Stormwater BMP Database for post-construction urban BMPs.

Given the increasing recognition that watershed-scale solutions to water quality problems often include both point and non-point source controls, the project team views a national repository of scientifically-sound agricultural BMP performance data as critically important. The effort builds upon work sponsored by the U.S. Department of Agriculture under the Conservation Effects Assessment Program (CEAP) and research by state universities and cooperative extension services.

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