

Stormwater Solutions that Hold Water: *Envisioning Green Best Practices in the MWRD*

May 31, 2007

Speaker Bios

Scott Bernstein

Scott Bernstein is President and founder of the Center for Neighborhood Technology (CNT), which develops resources to promote healthy, sustainable communities.

Mr. Bernstein has been a Visiting Lecturer at UCLA, an Environmental Fellow of the Institute for Transportation Studies at UC-Davis, a Trustee of the Institute for the Regional Community, and a Board Member of the Brookings Institution Center for Urban and Metropolitan Policy. He is a Founding Board Member of the Surface Transportation Policy Project and Smart Growth America. He also serves as a Board Member of the State and Local Public Policy Program at the Hubert Humphrey Institute and Imagine Chicago, and is a Fellow of the Center for Small Business and the Environment. Mr. Bernstein is Author of *The Hidden Assets of Communities* and Publisher of *The Neighborhood Works Information Service*.

Mr. Bernstein was appointed by President Clinton to the President's Council for Sustainable Development, on which body he served as the Co-chair of its task forces on State, Local and Regional Initiatives, and its Metropolitan Strategies Working Group. He also chaired a working group on Cross-Cutting Climate Issues intended to specify a U.S. domestic strategy. Mr. Bernstein remains involved in an advisory capacity to the Federal government on a variety of issues, including environmental protection, sustainable communities, and human capital. In addition, he is Secretary of the Institute of Location Efficiency.

A native Chicagoan, Bernstein studied engineering and political science at Northwestern University and served on the staff of its Center for Urban Affairs and Policy Research.

Mr. Richard Lanyon

Richard Lanyon was appointed General Superintendent in 2006, about a year after the Metropolitan Water Reclamation District received state authority to manage Cook County's stormwater.

A 44-year career employee of the District who was Director of Research and Development for 7 years, he manages MWRD's day-to-day operations, 2,100 employees and an annual budget of approximately \$1 billion, treating wastewater for 5 million people and the industrial equivalent of 4 million more.



Among his awards, Mr. Lanyon received the American Society of Civil Engineer's National Government Civil Engineer of the Year Award in 1999 ... and Distinguished Alumnus of the Department of Civil and Environmental Engineering at the University of Illinois at Urbana-Champaign (UIUC) in 2003. He also served one term as Alderman of the 8th Ward on the Evanston City Council from 1989 through 1993.

Richard Claytor

Rich Claytor has 23 years' practical experience in civil and water resource engineering planning and design, construction administration, and watershed research, education, and training.

He brings specific expertise in community scale, on-the-ground stormwater management design, program assessment, policy and evaluation. Mr. Claytor also is experienced in a range of watershed and land use planning, training, education and research.

He has designed stormwater management systems for more than 100 major ecosystem restoration projects, including a stormwater management design guidance manual for the Territory of Guam and the Commonwealth of the Northern Mariana Islands, stormwater plans for three Massachusetts communities, a statewide stormwater manual for Vermont, and the award-winning Staten Island Bluebelt, which restored over 2 miles of highly urbanized stream reaches with naturalized water quality improvements.

Kevin L. Shafer, P. E.

Kevin Shafer became executive director at MMSD in March 2002 after four years as MMSD's director of technical services

In that capacity, he was responsible for implementing the District's multi-million dollar capital construction program, including projects to reduce flooding risks for Milwaukee-area residents, to reduce sewer overflows, and to improve efficiency at the District's two wastewater treatment plants.

Since becoming executive director, Shafer has worked diligently on MMSD's \$900 million Overflow Reduction Plan. He initiated the Greenseams program to protect and restore riparian areas in tributary watersheds. Under his leadership, MMSD instituted a regional stormwater runoff rule and has been a leader for innovative ways to manage stormwater runoff.

Prior to joining the District, Shafer spent 10 years in private industry with an international engineering firm in Chicago and Milwaukee, and six years with the U.S. Army Corps of Engineers in Fort Worth, Texas.

Howard Neukrug

Howard Neukrug is Director of the Philadelphia's Office of Watersheds, which is integrating regional environmental programming across drinking water, wastewater



and stormwater utilities. He is responsible for establishing policies and programs for Southeast Pennsylvania's stream and river network for the protection of water supply for 2 million persons, the propagation and protection of fish and wildlife habitat, and in support of the region's recreation, ecotourism and sustainable riverfront re-development efforts.

He oversees a "best in nation" source water protection program for the City of Philadelphia which is currently implementing over 65 restoration and protection projects involving abandoned mine drainage reclamation, agricultural buffers, stormwater management, sewage overflows and public education. He is responsible for Philadelphia's CSO program which is implementing an adaptive watershed management approach to CWA attainment goals using coordinated outreach, education and stakeholder support throughout the planning and implementation stages of watershed programming, comprehensive watershed monitoring, hydrologic/hydraulic engineering, green development and infrastructure and stream enhancements. His office recently implemented new stormwater regulations for Philadelphia which encourage green development, and is responsible for the review of development plans for the City of Philadelphia for compliance with the stormwater requirements.

Mr. Neukrug is an advisor on regional and national water quality and water resource boards for the USEPA, the State of Pennsylvania and the Delaware River Basin Commission. He is a trustee of the American Water Works Association (AWWA) Research Foundation, vice-chair of the Partnership for the Delaware Estuary, a member of the National Advisory Council on Environmental Policy and Technology, and the immediate past chair of the AWWA Water Utility Council.

Mr. Neukrug has over 25 years experience in utility planning and management and is an expert in drinking water quality and treatment. He is a Professional Engineer, a graduate in Civil and Urban Engineering from the University of Pennsylvania. Mr. Neukrug has often been asked to testify before Congress and the U.S. Environmental Protection Agency (USEPA) on environmental, financial, infrastructure and other utility management issues, and to speak before hundreds of local, national and international forums.

Christine Livingston

Christine Livingston is the water program director for Save the Dunes Conservation Fund. Save the Dunes is a not-for-profit environmental group in northwest Indiana. Christine began developing a watershed program in 2003 using Indiana Department Environmental Management's 319 funds to develop and implement a watershed management plan for the Dunes Creek watershed which borders the southern shore of Lake Michigan. She expanded the program in 2005 to include watershed work in other areas within the Lake Michigan watershed. She has coordinated several workshops on various topics related to watershed management in order to educate stakeholders and the public.



**Joseph Deal, Assistant to the Mayor
Office of Mayor Richard M. Daley**

In his current position as Assistant to Mayor Richard M. Daley for water issues, Joe Deal coordinates the development and implementation of projects and policies associated with the Mayor's Water Agenda.

In this role, he works with City departments on issues related to conservation, stormwater management, and water quality.

Joe assisted in the formation of the Great Lakes and St. Lawrence Cities Initiative, and was selected to lead a strategy team of the Great Lakes Regional Collaboration. Joe is an Alternate Commissioner on the Great Lakes Commission and represents the City of Chicago on the Regional Water Supply Planning Group.

Prior to joining the Mayor's staff, Joe was a Senior Policy Analyst in the Office of Budget and Management and a Project Coordinator in the City's Department of Environment.

Janet L. Attarian, AIA

Janet L. Attarian is a licensed Architect and Project Director for the Streetscape and Urban Design Program for the Chicago Department of Transportation. As director she oversees design and maintenance of streetscapes, riverwalks, pocket parks, and pedestrian and bicycle facilities. In addition, she is in charge of the Green Alley and Sustainable Streets programs and is instrumental in developing sustainable policy for the City. Her work includes the City's Streetscape Guidelines and the Green Alley Handbook, Millennium Park Bicycle Station and the Wacker Drive reconstruction project. Previously, Janet was a project architect for DLK Architecture, and owned her own design firm.

Janet is a University of Michigan graduate where she received her Bachelor's degree and Master's Degree. She has also attended the Technical University of Vienna and the Mayor's Management Institute through DePaul University.

Janet's awards and honors include: a 2007 National ASLA Honor Award for the Green Alley Handbook, a 2005 Healthy Streets award for Millennium Park Bicycle Station a 2003 Special Service Award from the South East Chicago Commission, and the 2002 National AIA Honor Award for Regional and Urban Design for the River Gateway.

Daniel Williams

Daniel Williams is a principal of *Daniel Williams ARCHITECT* and a Fellow in the American Institute of Architects. DWA is a national recognized consultant in architecture and planning with projects that include sustainability issues in economic development, transportation, agriculture, education and natural resource protection. His projects range in scale from the design of regional watersheds to educational facilities for physically challenged children. His work with dozens of communities creating master plans for natural resource protection and working with residents and agencies toward



the rebuilding of towns and cities after natural disasters, have received national recognition.

As both an architect and urban and regional planner, Mr. Williams has worked with communities for over 20 years in the design, protection and preservation of the environment through holistic urban design and planning. Through this and other design efforts he has helped communities develop sustainable development plans while protecting their social, economic and environmental future.

He is active on the Sustainable Seattle Advisory Group, the Seattle American Institute of Architects - Committee on the Environment and was urban planner/architect for the Seattle "Green Line" corridor location study for the ETC - Seattle Monorail Project. He was community advocate, urban designer and neighborhood Charrette leader. His projects have ranged from the preservation of the ecologic systems and urban planning on the extension of Highway 509 and he pa the CityDesign Charrette for the Potlatch Trail which conceived an urban plan that was good for the economy and the salmon. He worked with the Small Tribes of Western Washington to develop community plans and helped develop a low energy housing model for the Little Boston Tribe.

He initiated and chaired the *Committee on Long-Range Regional Planning* for the American Institute of Architects and was one of 30 invited participants to the joint conference sponsored by DOE and FEMA: *Communities in Harms Way* - on the re-design of communities post natural disasters. He is on the LEED development team for the next phase of the national certification process and evaluation and serves of the Environmental Council for the Urban Land Institute.

The *South Dade Watershed Plan*, which he initiated, directed and wrote after hurricane Andrew in 1992, acts as the supporting document for the 2050 - Dade County's Watershed Plan. This work, on the regional water supply plan, is recognized as the seminal work for connecting future water supply, transportation and land use to the natural systems carrying capacity - while creating livable, vibrant communities.

His efforts continue to connect the natural system functions within community development. This work simultaneously directs development from important agricultural lands and regional natural systems while improving the community economies. This work integrates community development into the resources of the landscape. Through this design process, the long and short-term economic health of the region is achieved.

He chaired the Task Force on the Environment and Energy for the Congress for the New Urbanism and chairs the National Committee on the Environment for the American Institute of Architects. His work on regional carrying capacity won the 1999 and the 2000 National Honor Award for Urban and Regional Design from the American Institute of Architects and the Catherine Brown Award for Urban Design in the American



Landscape in 1999. His Book *Sustainable Design: Ecology / Architecture / Planning* will be published by John Wiley & Sons in the Spring of 2007.

