



Metropolitan Water Reclamation District of Greater Chicago

130 YEARS
1889 • 2019
METROPOLITAN WATER RECLAMATION DISTRICT
OF GREATER CHICAGO

7th Annual Sustainability Summit 2019

CELEBRATING EQ BIOSOLIDS AND GREEN INITIATIVES

TUESDAY • OCTOBER 22 • 9:00 a.m. - NOON
MWRD Stickney Water Reclamation Plant Auditorium
6001 W. Pershing Rd., Cicero, IL

Board of Commissioners

Kari K. Steele
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Metropolitan Water
Reclamation District
of Greater Chicago

100 East Erie Street • Chicago, Illinois 60611-3154

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Established in 1889, the MWRD is an award-winning, special purpose government agency responsible for wastewater treatment and stormwater management in Cook County, Illinois.

EMCEE AND SPEAKER PROFILES

Daniel Cooper is the Director of Environmental Services for the Chicago Park District. He has over 20 years of environmental engineering experience in both the public and private sectors. Much of his experience has focused on brownfield remediation and restoration, and he has worked on dozens of brownfield to public park conversions within the City of Chicago. He always strives to incorporate a sustainable and cost-effective approach to his projects and was instrumental in getting biosolids approved for use within the Chicago Park District. He won a MWRD Biosolids user award in 2014.

Miguel del Valle is the General Foreman of Floriculture for the Chicago Park District, where he has worked for 19 years. Along with supervising field maintenance activities, he coordinates and schedules the use of biosolids throughout the Chicago Park District park system.

F. Dan Dinelli has been the golf course Superintendent at North Shore Country Club, Glenview, Illinois for over 35 years. Dan is well known for his innovations and significant achievements in soil ecology and turf grass management with organic amendments, including compost, biosolids, and biochar, and biological control of pests. Dan holds a B.A. in Agronomy and Horticulture (Turfgrass Management) from Michigan State University. He received numerous awards such as the GCSAA President's Award for Environmental Stewardship, Scotts Tradition of Excellence Award, and a MWRD Biosolids user award. Dan has over 20 publications to his credit.

Benjamin Morgan, M.S. is an Environmental Soil Scientist with the MWRD Monitoring & Research Department. He manages monitoring and reporting for the MWRD's beneficial biosolids reuse program to ensure biosolids products consistently exceed the highest standards set by state and federal regulations. Benjamin engages with the public, regional municipal agencies, and private organizations to promote data-driven biosolids applications that meet the needs of diverse stakeholders. He holds a master's degree in crop science from the University of Birmingham and is a doctoral candidate studying soil ecology at Northwestern University.

Dr. Olawale Oladeji is an Environmental Soil Scientist with the MWRD Monitoring & Research Department. He provides technical assistance and oversight to the MWRD's beneficial biosolids reuse program to ensure users comply with regulations and follow Best Management Practices. Dr. Oladeji oversees biosolids application on farmland and works closely with community leaders to incorporate biosolids use in urban turf management. He holds a Ph.D. in Soil Science from the University of Florida and has authored many referenced journal articles and reports on biosolids.

Kari K. Steele is the President of the MWRD Board of Commissioners (BOC). In November of 2012 she was elected to her first term as a Commissioner at the MWRD. President Steele was re-elected in 2018 for a second term, and then in January of 2019 she was elected to serve as President of the BOC. President Steele

currently serves as Chairman for the Public Information and Education Committees, the State Legislation and Rules Committee, and the MWRD Employees Credit Union Board of Directors. She is also Vice Chairman of the Engineering and Monitoring & Research Committees.

Dr. Thomas Wall is a Senior Infrastructure and Preparedness Analyst in the Decision and Infrastructure Sciences Division at Argonne National Laboratory, a multidisciplinary science and engineering research center of the U.S. Department of Energy. Dr. Wall co-leads Argonne's Climate Risk and Resilience Studies (ACR2S) effort, a collaboration among Argonne scientists, engineers, and external partners providing expertise in climate science and modeling, advanced computing, infrastructure risk and resilience analysis, and decision science to solve national climate resilience problems.

John Watson, PE, CFM, is an Associate Civil Engineer with MWRD Stormwater Management and Green Infrastructure where he manages green infrastructure stormwater projects and helped to develop the MWRD's green infrastructure plan. He earned his B.S. in Civil & Environmental Engineering from Valparaiso University and his M.S. in Environmental Hydrology and Hydraulic Engineering from University of Illinois - Urbana Champaign. John is a committee member for the Water Environment Federation. In his free time, he works on international water supply and development projects with Engineers Without Borders and his church.

Welcome Remarks and Introduction of Board of Commissioners

President Kari K. Steele, MWRD Board of Commissioners

Using Regional Climate Modeling for Climate Risk Assessment and Adaptation Planning

Dr. Thomas Wall, Argonne National Laboratory

The MWRD Green Infrastructure Program

John Watson, PE, CFM, MWRD Stormwater Management/Green Infrastructure

How Biosolids Improve North Shore Country Club's Sustainability of Turf

F. Dan Dinelli, North Shore Country Club, Glenview

BREAK

Overview of a Decade of Collaboration to Beneficially Reuse MWRD EQ Biosolids on Chicago Parks

Daniel Cooper and Miguel del Valle, Chicago Park District

Beneficial Reuse of EQ Biosolids: MWRD Effort Towards Sustainable Environmental Management in the Chicagoland Area

Benjamin Morgan and Dr. Wale Oladeji, MWRD Monitoring & Research

BREAK

Biosolids Beneficial Reuse and Sustainable Landscaping Awards Presentation

MWRD Board of Commissioners



Optional Tour

Take a bus ride to see our composting operation at the **Harlem Avenue Solids Management Area**, then return to Stickney WRP. Tour lasts approximately one hour.