



**Great Lakes
Research Center**
Michigan Technological University

2018 World Water Day Keynote Lecture

Tuesday, March 27 at 4:00 pm, Dow 641

Reception to follow



The Multidimensional Benefits to Sustainable Beach Reengineering

Gregory T. Kleinheinz, R.S., Ph.D.

Viessmann Chair of Sustainable Technology

Professor of Environmental Engineering Technology

University of Wisconsin - Oshkosh

The desire to provide healthy water for beach-goers is a universal desire of waterfront communities. How to get to that point is often not well understood. With increased monitoring of recreational waters, due in large part to the Beaches Environmental Health and Coastal Health Act, local communities have found contamination sources ranging from stormwater runoff to combined sewer overflows. Source identification around the Great Lakes suggests that the majority of contamination is of local origin. Numerous examples will be provided with an emphasis on the approach, process, challenges, and overall success of these projects. The costs associated with each redesign plan and unanticipated challenges will be discussed for several case studies. Both the intended and unintended benefits to the communities will be presented.



mtu.edu/greatlakes/about/world-water-day

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