

Aging Water Infrastructure Research Program at US EPA - Addressing the Challenge through Innovation

Our nation's extensive water infrastructure has the capacity to treat, store, and transport trillions of gallons of water and wastewater per day through millions of miles of pipelines. However, as our infrastructure deteriorates, there are increasing concerns about the ability of this infrastructure to keep up with our future needs. As part of our effort to address these concerns, Office of Research & Development (ORD) at EPA initiated a new water infrastructure research program. This program will generate the science and engineering needed to evaluate promising, innovative technologies to repair existing and provide new water infrastructure, and that improve effectiveness at reduced cost.

Tuesday, September 29, 2009, 4:30 - 5:30 pm
Reception to follow, 5:30 - 6:30 pm
ICTAS Building on Stanger Street, Room 310

Sponsored by ICTAS

Also featuring a History Channel Documentary:

"Crumbling of America" 6:30 pm

*America's infrastructure is collapsing. Tens of thousands of bridges are structurally deficient or functionally obsolete. A third of the nation's highways are in poor or mediocre shape. Massively leaking water and sewage systems are creating health hazards and contaminating rivers and streams. Weakened and under-maintained levees and dams tower over communities and schools. And the power grid is increasingly maxed out, disrupting millions of lives and putting entire cities in the dark. The Crumbling of America explores these problems using expert interviews, on location shooting and computer generated animation to illustrate the kinds of infrastructure disasters that could be just around the bend. **Running time: 120 minutes***



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Mr. Murray is a Senior Environmental Engineer with EPA's Office of Research and Development in Cincinnati, Ohio and has been with U.S. EPA for over 29 years. Mr. Murray is currently leading EPA's Aging Water Infrastructure Research Program. Mr. Murray received his BS in Civil Engineering from Merrimack College in North Andover, Massachusetts and his MS in Civil Engineering from Northeastern University in Boston, Massachusetts. Prior to joining the Office of Research and Development, Mr. Murray worked in EPA Region 1 in Boston, and EPA Region 5 in Cleveland. Mr. Murray also worked for the Massachusetts Water Resources Authority, leading the CSO control program. In 1995, Mr. Murray received the Gold Medal for Exceptional Service, EPA's highest honor, for his work in supporting the development of the Agency's CSO Policy. Mr. Murray is a registered Professional Engineer in Massachusetts and Ohio and an active member of the Water Environment Federation and the American Society of Civil Engineers. Mr. Murray is a Board Certified Environmental Engineer by the American Academy of Environmental Engineers. Mr. Murray also serves on the Fairfield City School District Board of Education and the Butler Technology and Career Development School District Board of Education. Mr. Murray is married and has three children.

