

2013 Water Reuse Conference
Speaker Information May 15 and 16 - Boise, Idaho

Name: Robert K. Bastian
Title: Senior Environmental Scientist
Organization: U.S. EPA, Office of Wastewater Management (4204M)
Address: Rm.7329K EPA EAST
1200 Pennsylvania Ave., NW
Washington, D.C. 20460
Phone: 202-564-0653
Email address: bastian.robert@epa.gov

First Session Title: Guidelines to Further the Development of Water Reuse

Abstract: Although there are no federal regulations on water reuse, EPA has developed guidelines that describe the types of reuse applications, technical and legal issues in the U.S., public involvement, and water reuse in other countries. The 2012 reuse guidelines build on the Agency's previous reuse guidelines issued in 2004, incorporating information on water reuse that has been developed since the 2004 document was issued. In addition to summarizing the existing regulations in the U.S., the document includes water reuse practices outside of the U.S., case studies, information on planning for future water reuse systems, and information on indirect potable reuse and industrial reuse.

Second Session Title: Opportunities and Challenges to Biosolids Beneficial Use

Abstract: Increased use of biosolids management practices that result in recycling rather than just disposal have become a clear objective of many wastewater treatment facilities in the US. These practices have included uses in soil amendment and fertilizer products for use in urban areas, as well as more traditional use in agriculture, rangeland and forest management, and land reclamation and remediation projects. Although faced with the reality of higher costs associated with providing treatment adequate to produce high quality biosolids products and materials, as well as overcoming concerns of potential future liability from the use of such products, the interest in such recycling practices continues to grow in the US.

Professional Background:

Bob Bastian is a Senior Environmental Scientist with EPA's Office of Water in Washington, D.C., where he has worked for a little over 37 years dealing with a wide range of wastewater and biosolids management issues associated with POTWs, such as innovative treatment processes, wastewater and biosolids reuse, decentralized wastewater treatment, water quality benefits of wastewater treatment, on-site power production and energy recovery, toxics control, etc. He has coordinated the Agency's efforts to develop and update the **EPA Guidelines for Water Reuse** as well as managed a series of EPA-funded national demonstration projects and the development of numerous EPA technology assessments, technical reports, guidance and policy documents related to wastewater treatment and biosolids management. He has also served as an EPA liaison

2013 Water Reuse Conference
Speaker Information May 15 and 16 - Boise, Idaho

with numerous interagency workgroups and committees, as well as external groups such as the Water Science & Technology Board of the National Academy of Sciences, WEF, WERF, NWRI, WateReuse Assoc., etc. Bob earned BS and MS degrees in biology, earth sciences and mathematics from Bowling Green State University in Ohio and served as an officer in the U.S. Army Corps of Engineers before joining EPA in 1975.