



American Society Of Civil Engineers

NORTH JERSEY BRANCH - *Environmental Technical Group Presents:*

MICROCONSTITUENTS IN WATER

Modern science has produced products and medicines that have improved the quality and longevity of our lives and afforded many conveniences. Their production, use, and disposal have resulted in the presence of low levels of microconstituents in the environment. Microconstituents may be found in surface water, ground water, drinking water, domestic and industrial wastewater, agricultural runoff, reclaimed water, other waters, and biosolids. Many of these substances also may be found in soils and in the air.

Recently the media has re-ignited the debate about the presence of microconstituents in drinking water. Are drinking water utilities doing enough to remove these contaminants? Is the public at risk? Is the environment at risk? Who should be responsible for installing costly treatment technologies? We've assembled a panel of experts from diverse backgrounds to explain what is known, what is unknown, and what areas require further research. The speakers will explore conventional methods for microconstituent detection and removal in water treatment plants, wastewater treatment plants, and contaminant build-up in the environment. Whether you're a novice to the topic or a proven authority, this discussion is sure to engage and enlighten you.

SPEAKERS/TOPICS:

Mr. Joseph Cleary, P.E., of HydroQual, Inc., is a wastewater treatment specialist with over 30 years in the industry. He is Vice Chairperson of WEF's Industrial Waste Committee and leads WEF's Microconstituents Community of Practice.

Mr. Bruce Brownawell, Ph.D., of Stony Brook University, is a member of the university's Waste Reduction and Management Institute. Some of his ongoing research includes the study of endocrine disruptors in the sediments of the lower Hudson basin and the effects of pharmaceuticals in sewerage in Jamaica Bay.

Mr. Joseph Bella, Executive Director of Passaic Valley Water Commission, has worked in the water industry for over 25 years. He has chaired the AWWA Activated Carbon Standards Committee and served as a Research Division Trustee and member of the Research Foundation Project Advisory Committee.

DATE/TIME: **Wednesday, April 23, 2008.** Registration begins at 5:30. Dinner begins at 6:30 with presentations following.

LOCATION: Newark Club, One Newark Center, Newark, NJ
Visit <http://www.newarkclub.com/directions.html> for directions

COST: Early registration (rec'd by April 18): \$ 65 – Members, \$75 – Nonmembers, \$40 – Students
Late registration (rec'd after April 18): \$70 – Members, \$80 – Nonmembers, \$45 – Students
"NO SHOWS" will be billed.

REGISTER: Register online at <http://branches.asce.org/northjersey>
Or send name, telephone number and e-mail address to:
Teresa Peterson, tpeterson@gfnet.com or 908.755.0040

Please make checks payable to ASCE North Jersey Branch

****2 PDH Credits Under Review****