

Environmental and Water Resources Engineering Seminar Series Supports: the 3rd Annual Lawler Lecture



NO VIRTUAL OPTION

Control of Disinfection By-Products and Manganese in Drinking Water: from Complex Chemistry to Utility Implementation

Dr. John Tobiason

Professor of Civil and Environmental Engineering at the University of Massachusetts

Thursday, September 12th, 3:30-4:30, **Avaya Auditorium**,
Peter O'Donnell Building (POB)

Abstract

Meeting treated water quality goals for multiple water constituents is often challenging for public water systems. However, appreciation and understanding of fundamental principles of chemical reactions and treatment processes can provide excellent guidance for optimizing available technologies and the opportunity to develop new approaches for effective and reliable treatment facilities. Examples of this approach for meeting treatment objectives for manganese and disinfection by-products via collaborative work with water utilities is the focus of this presentation.



Background

Dr. Tobiason has over 40 years of research, teaching and consulting experience in environmental engineering, mostly related to drinking water supply, treatment, and distribution, with a focus on coagulation, oxidation, dissolved air flotation, media and membrane filtration, and other physicochemical processes for drinking water treatment. Much of his research has been done in close collaboration with drinking water utilities, often including fullscale experiments.

NOTE: This location is different than last year's Lawler Lecture. Parking is available in San Jacinto Garage, just south of Dean Keeton St.