

WEFTEC® 2016
New Orleans, Louisiana, September 25, 2016

MWH, now part of Stantec, is pleased to invite you to the workshop:
“Water Reuse in Food and Beverage Industry”

This workshop aims to explain and promote the opportunities and innovations present in the Food and Beverage industry regarding sustainability, water recovery and reuse optimization and the associated benefits to designers, operations staff, plant managers and corporate management members.

AGENDA

TIME	TOPIC	INSTRUCTOR AND AFFILIATION
8:30 -8:45	Introductory Remarks	Alex Sandu, MWH Global Paul Bowen, Coca-Cola
8:45 -9:15	Sustainability - Update on regulatory framework and implications - Water/Wastewater Issues: water source, in plant utility performance, reuse - Risks associated with water reuse	Alex Sandu, MWH Global
9:15 -9:45	Water Reuse and Sustainability Issues for F&B Industries - Definition of Reuse - Regulatory Requirements - Definition of Sustainability	Norton Fogel, Tetra-Tech
9:45 – 10:00	Exercise – Part I A fictional facility will be presented to 3 or 4 groups. - Organize groups - Introduce the exercise - Develop a list of drivers for water/wastewater (e.g. availability, regulations, security)	Instructors

10:00 -10:30	Morning Break	
10:30 –11.15	Water Footprinting /Water Balance Broad Understanding of Reuse Options for F&B Industries - Reuse Source identification. Discussion of water usage in food and beverage industry, potable, non-potable - Identification of Reuse options	Paul Bowen, Coca-Cola
11:15 – 12:00	Exercise – Part II Continue Workshop Exercise : - Introduce Problem (Conceptual design/cost estimate) - Evaluate the conditions and brainstorm issues present along with identification of conservation options - Identify locations within the facility for water recovery and reuse - Develop a water balance	Instructors
12:00 – 1:30	LUNCH BREAK	
1:30 – 2:00	Water Reuse Solutions - Treatment Technology - Solutions available (Physical-chemical, Membrane/RO, Biological/MBR, Disinfection) - Presentation Reuse Case Study –Type Physical-Chemical/MBR/RO/Disinfection	Al Goodman, CDM Smith

Who should attend:

- Senior management who have responsibilities for facility operations and maintenance.
- Managers developing and implementing sustainable environmental compliance.

- Engineers who are involved in process design and performance engineering for the F&B industry.

Why you should attend this workshop:

The workshop is geared towards promoting awareness and understanding of water recovery and reuse opportunities practices within the F&B industry. The workshop is presented by lead practitioners and engineers in the F&B industry who will be sharing their experiences, lessons learned, and predictions on new and future trends in an interactive and learning environment. There will be an opportunity for participants to examine potential risks with reuse, identify reuse opportunities, and participate in an open forum about solutions and approaches to F&B water-related issues.

For further information please contact Alex Sandu, Principal Civil Engineer/Industrial Wastewater Treatment Leader, MWH, now part of Stantec: Alex.R.Sandu@mwhglobal.com