

## Industrial Wastewater Reuse in Manufacturing Facilities – One Water Goes Private

WEFTEC® 2019 – Chicago

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Water is a precious commodity essential to manufacturing. The availability, quality, and low-cost of water no longer can be taken for granted. Manufacturers large and small are instituting programs to conserve and reduce their water footprint. Public water agencies are teaming with industry to provide alternative water sources, beneficial uses for reclaimed wastewater, and water efficiency incentives.

This workshop introduces the fundamentals of the One Water concept to engineers, managers, and scientists. Water conservation leaders from **The Coca-Cola Company, Denver Water, General Motors along with technical experts from GHD, SUEZ WTS, and Geosyntec** will share strategies and approaches to planning and implementing the One Water concept at manufacturing facilities around the world.

Participants will work in small groups to apply the One Water concepts and to design a One Water solution for an industrial park with multiple manufacturing facilities. Groups will develop water conservation measures, select treatment technologies, develop process flow diagrams, and prepare a cost estimate.

Workshop presentation will include:

1. **One Water Concept & Issues for Manufacturing Industries (Norton Fogel, GHD)** – Fundamentals of developing of a water conservation and reuse program at a manufacturing facility
2. **Corporate Water Strategy (Deb Rondon, GM)** - Discussion of water use and wastewater generation in the automotive industry. Strategies and case studies for conservation and reuse. GM's strategies for paying for water reuse projects. Case studies.
3. **Water Conservation and Reuse in F&B Industries (Paul Bowen, The Coca-Cola Company)** – The Coca-Cola Company's approaches to water conservation, identifying reuse opportunities, strategies for reuse, and administrative policies related to water reuse.
4. **Biological Treatment Technologies (Brian Arntsen, SUEZ WTS)** - Anaerobic & Aerobic treatment processes for industrial applications with focus on Membrane Bioreactor (MBR) and reuse case study
5. **Sustainability Trends and Selection of Water Reuse and Energy Management Solutions (Joe Cleary, Geosyntec)** – In plant water reuse and energy trends and proven solutions along with “End-of-Pipe” solutions. Case studies in food and beverage, pharmaceutical and rum distillery plants.
6. **One Water – A Public/Private Partnership (Abigail Antolovich)** - Municipal programs to facilitate One Water approaches for industry. Public/Private partnership opportunities.

### Registration and Attendance One Water for Manufacturing

Registration for the workshop is available along with conference registration and housing at <https://www.weftec.org//>. Attendance will be limited in order to allow close interaction between the workshop leaders and the participants.