



# EWRI Lunch and Technical Seminar

## Tuesday, October 20<sup>th</sup>

Lunch at 12:00 pm, Seminar at 12:30 pm, Plant tour at 1:30 pm

Xylem Inc, 118 S. Division St., Zelienople, PA 16063



## Water Reuse

### **Oxelia™ Ozone-Enhanced Biologically Active Filtration System**

#### **Tony Callery, Xylem Filtration and Biological Product Manager**

The Leopold Oxelia™ Process is a new combined process to further treat municipal secondary treated waste water for effective elimination of micropollutants and to provide an efficient organics elimination step to enable Indirect Potable Reuse (IPR) schemes for water scarce areas. The Oxelia process uses the power of ozone (O<sub>3</sub>) to break down non-biodegradable organic trace contaminants (TrOCs) that pass the conventional system almost untreated (i.e. pharmaceuticals, personal care products, corrosion inhibitors, etc.). The subsequent biological active filtration system guarantees low suspended solids concentrations and polishes off remaining nutrient concentration without the generation of concentrates. Compared to other micropollutant removal technologies, as activated carbon, ozone reacts much quicker leading to significantly smaller reaction tank volumes and lower dosages.

Tony Callery is Lead Product Manager for Xylem Filtration and Biological processes and has been a part of the Xylem Inc. family since 1997. During that time he also served as Regional Director and Projects Director for Latin America and has held a number of other positions in the company related to International Business Development and Projects.

### **Seminar will include a tour of the Leopold Oxelia™ pilot plant**

#### **Cost**

Members: \$10    Non-members: \$15    Students: \$5

Register by Oct. 18th at <http://www.asce-pgh.org/> or email [Timothy.Brett@xyleminc.com](mailto:Timothy.Brett@xyleminc.com)