

Environmental Sustainability of Water & Wastewater Systems: An Introductory Workshop

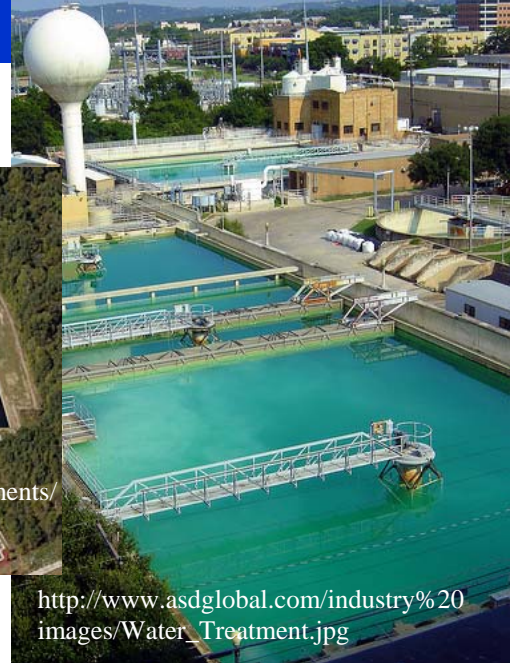
**December 8, 2009
10 AM– 12:30PM
UC-Berkeley
Campus**

**Presented by:
Dr. Jennifer Stokes
and
Prof. Arpad Horvath**

Registration is free
but space is limited.
Register by
November 20, 2009.

TO REGISTER:

Please email
Jennifer Stokes
(jrstokes@cal.berkeley.edu)
with your name, employer,
email address, and phone
number. Registration is
limited to 3 people per
employer (e.g., utility,
consulting firm). Location
and parking information will
be provided upon
registration.



The workshop is intended to introduce professionals in the water and wastewater industry to two new tools that measure sustainability using life-cycle assessment. The tools, the Water-Energy Sustainability Tool (WEST) and the Wastewater-Energy Sustainability Tool (WWEST), have been created by researchers at the University of California, Berkeley as part of research funded by the California Energy Commission and will assist in quantifying air (including GHGs), water, and land emissions associated with constructing, operating, and maintaining these systems. We will present the concepts of sustainability, discuss how tools can be used, present results from prior case studies, and demonstrate the use of the tools.

A similar workshop will be planned for Southern California in early 2010.

Related Reading:

- Stokes, J., & Horvath, A. (2006). "Life cycle energy assessment of alternative water supply systems." *International J. Life Cycle Assessment*, 11 (5), 335-343.
- Stokes, J. R., & Horvath, A. (2009). "Energy & Air Emission Effects of Water Supply." *Environmental Science & Technology*, 43(8), 2680-2687.