



**U.S. Department of Commerce  
U.S. Commercial Service Global Environmental Team  
and San Diego County Water Authority Hosts  
Technical Site Visit for  
AWWA ACE09 International Buyer Delegation members**

**To Twin Oaks Valley Water Treatment Plant  
San Diego, California**

**Wednesday, June 17, 2009  
8:30 am – 12:30 pm**

The Twin Oaks Valley Water Treatment Plant is the largest submerged membrane water treatment plant in the world. Procured through a Design-Build-Operate contract with CH2M Hill, the plant began operation in April 2008. It is located adjacent to the San Diego County Water Authority's aqueduct in a semirural area in the northern part of the county. This high-capacity treatment plant produces up to 100 million gallons of drinking water per day. Submerged membrane technology reduces the use of chemicals and production of by-products. The plant is considered a zero-discharge facility; 99.9 percent of the water entering the plant leaves as potable water. Technical features include: strainers, submerged membrane filtration, on-site chlorine generation, ozone/advanced oxidation contactor, biological activated carbon contactors, chemical mix chamber, chemical feed facilities, solids processing, and operations center. For additional details, please see: <http://www.sdcwa.org/infra/cip-twinoakswtp.phtml>

- Complimentary Technical Site Visit includes bus transportation to and from the San Diego Convention Center, a briefing by San Diego Water Authority and CH2M Hill operators, and walk through of plant to view key technologies and operation center.
- Maximum capacity of 40 attendees based on first-come, first-served basis
- **Advanced registration required by May 15, 2009.**