

Silicon Valley Advanced Water Purification Center 4190 Zanker Rd., San José, CA

I. Presenter: Steve Twitchell, Treatment Plant Supervisor V, Santa Clara Valley Water District

Presenter: Hugh Logan, Wastewater Operations Division Manager, San José-Santa Clara Regional Wastewater Facility

II. Treatment Plant Characteristics:

- MGD Advanced Water Purification Center
- 731 employees
- Commercial and irrigation use

III. Innovation:

A. Description

Membrane filtration, reverse osmoses, and UV disinfection

B. Type of Innovations

- Increased use of Information Technology
- New treatment process
- Modification of workflow processes or classifications
- New approach to documentation, technical training, staff development, or knowledge management
- Optimization of existing resources

C. Motivation for Innovations

Implement state-of-the-art facility to reduce Total Dissolved Solids (TDS) to recycled water retailers. Pilot advanced treatment for indirect potable reuse and direct potable reuse to reduce importing water.

IV. Information Sharing:

Yes No

Willing to host on-site tour

X

Willing to visit another regional water/wastewater facility to provide presentation on innovation	X
Willing for staff member from other utility to conduct a follow-up visit to learn more about innovations	X
Interested in on-line forum to discuss water/recycling/wastewater treatment issues	X