Silicon Valley AWTP or SCVWD – South Bay Advanced Recycled Water Treatment Facility

Owner: Santa Clara Valley Water District
Client: J.R. Filanc Construction Company
Capacity: 8.0 MGD
Application: Municipal water reuse; BWRO

Owner’s Engineer: Black and Veatch
Location: Southbay, CA - USA
Startup: 2014

2015 Global Water Intelligence Water Reuse Project of the Year

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SWT was contracted by the owner’s general contractor to provide the design, fabrication and supply of the three brackish water reverse osmosis trains to treat tertiary treated wastewater. Also supplied were the cartridge filters, CSM membranes, all local controls, instrument panels and sample panels. SWT provided installation supervision, testing, start-up and commissioning as well as training of the owner’s operators.

Operational Data:
- Feed water TDS: 872 mg/l
- Permeate TDS: 17 mg/l
- Permeate flow: 1,850 gpm/train
- RO Recovery: 85%
- Array: 52:28