



DUBLIN CLEAN WATER REVIVAL

Location: Dublin, California

Engineer: Black & Veatch

Start-Up: January 1998

Market: Groundwater Remediation

Capacity: 2.0 MGD

Feed Source: Shallow Wells

Feed Quality: 2500 mg/l TDS

Membrane: Hydranautics

Project Highlights: The Dublin San Ramon Services District was organized to provide safe and beneficial water resources for Livermore-Amador Valley. With that mandate, they instituted modifications and additions to the District's Regional Wastewater Treatment Facility utilizing a Microfiltration/Reverse Osmosis treatment installation as a feasible means to effectively treat secondary wastewater.

The process recycles the secondary wastewater into high quality demineralized water which is then injected into Livermore-Amador Valley's groundwater basin located east of the San Francisco Bay. This foresighted technology regenerates the groundwater basin for future generations.

The 3-stage Reverse Osmosis train design incorporates Tnemec painted A36 structural steel frames designed by Hydropro for use in seismic zone 4 applications. The train layout maximizes practical seismic zone 4 consideration custom suited to the plant and trench layout design. Train sample and status panels were designed and manufactured with Hydropro's standard FRP "tree" skid design and is also suited for seismic zone 4 application.