



MARTIN COUNTY UTILITIES - TRAINS A, B & C

Location:	Jensen Beach, Florida	Capacity:	4.5 MGD (1.5 MGD Trains)
Engineer:	Kimley-Horn	Feed Source:	Floridan Aquifer
Market:	Municipal	Feed Quality:	2450 TDS
Start-Up:	Train A May 1993	Start-Up:	Train B March 1994 Train C February 2002 (not pictured)
Membrane:	Fluid Systems 8821 LP TFC	Membrane:	Hydranautics 8040-LSY-CPA2

Project Highlights: Hydropro was selected by General Contractors John J. Kirlin, WPC Industrial Contractors and Martin County Utilities to construct a 4.5 MGD Reverse Osmosis facility in three phases. This RO plant operates adjacent to their existing lime softening facility and the products are blended together for use.

WPC Industrial Contractors completed the most recent expansion bringing the plant from 3MGD to 4.5MGD with the addition of the last 1.5 MGD train.

Kimley Horn designed the RO plant for three 1.5 MGD trains. Hydropro supplied all three Trains using its FRP “tree” skid design. Due to the design features of side entry pressure vessels and horizontal headers, the pressure vessels can be completely drained before maintenance.

Hydropro was also the system’s Instrumentation and Control subcontractor with responsibility for three RO feed pumps (one is a spare), three 1.5 MGD RO trains, PLC, control console, TISTAR operator interface and instrumentation.