

# City of Hollywood, RO Train C

Municipal Potable Water Supply



**Year:** 2008

**Start-Up Date:** 4/2009

**Client/Owner:** City of Hollywood

**Engineer:** Malcom Pirnie

**Location:** Hollywood, FL, USA



**Application:** Municipal Potable Water

**Scope of Work:** Design, manufacture, and install 2 stage BWRO train, ERT and high pressure pump. Install double containment post treatment sulfuric acid system and pumps.

**Operation Data:** Feed water TDS: 5,955,  
Permeate TDS: 85.9,  
Permeate flow: 1,389 GPM,  
Recovery: 80%, 378 Total Membranes,  
Other: 37/17 Array - 2 Stage with ERT, Feed pH = 8.3, Feed Press = 271 psi, Toray Membrane, Deep Well Floridian Source

**Capacity:** 1 x 2 MGD BWRO Train-C

**Project Summary:** A design-build on-site project to include retro-fitting existing control and monitoring system and tie-in to the existing SCADA system. Installation of new VFD control and retro-fitting degasser/scubber analytical monitoring system. Natural Gas Facility. Based on the nature of the environment, all the equipment had to be designed for explosion proof.