

Doolittle Water Treatment Plant

Municipal Potable Water Supply



Year: 2007

Start-Up Date: 9/2008

Client/Owner: North Alamo Water Supply Corporation

Engineer: NRS

Location: Edinburg, TX, USA



Application: Municipal Water Supply

Scope of Work: Complete turnkey contract for all equipment, installation and start-up services for a new RO facility. DHT scope is all pre-treatment, RO equipment, Degasser tower, and post treatment processes plus chemical housing.

Operation Data: Feed water TDS: 3863
Permeate TDS: 44.1
Permeate flow: 926 GPM
Recovery: 75% , 630 Total Membranes
Other: 20/10 Array - 2 Stage,
Feed pH=7.87, Feed Press=221 psi, Toray membrane, Deep well Source w/ Blending

Capacity: 3 x 1 MGD BWRO Trains

Project Summary: The contract required the complete supply of three (3) RO units w/ ERT, one degassing system, four (4) stand-alone chemical dosing pumps skid with FRP housing system, complete electrical and instrumentation system.