

U.S. Embassy Baghdad

Potable Water Supply



Year: 2008

Start-Up Date: 7/2010

Client/Owner: Perini Corp.

Engineer: DHT

Location: Baghdad, Iraq



Application: East End Housing barracks , US Consular Office Potable Water Supply (Green Zone)

Scope of Work: Containerized Duty/Stand-by System containing 2 sets of UF's, BWRO's, chemical dosing system, dual GAC's, and dual pump sets.

Operation Data: Feed water TDS: 2030 - 4256 mg/L Range Permeate TDS: 62 - 95 mg/L Range Permeate flow: 56 GPM
Recovery: 80% (18 Total Membrane/train) x 2 Train
Other: UF - Pressurized type , XFlow Aquaflex, 6 Modules/train x 2 ,Duty/Standby BWRO - 2/1 Array , 2-Stage, Toray Membranes, 4 Element/PV , Duty/stand-by ,WTP Influent Well hopper tank source. 10 MGD Total UF + 5.9 MGD Total BWRO

Capacity: 2 x 80,000 GPD BWRO

Project Summary: This is a design build and supply to site, complete containerized package water treatment system having Duty/Stand-by UF and RO system. This type of design affords little or no site work to enable ease of installation and start up.