

# DUF6 Water Treatment System

Power Plant Boiler Feed Water Supply



**Year:** 2006

**Start-Up Date:** 11/2009

**Client/Owner:** Burns & Roe

**Engineer:** Burns & Roe

**Location:** Kentucky, USA



**Application:** Power Plant Boiler Feed Water

**Scope of Work:** Demineralized water treatment system; media filters, two pass RO system, EDI.

**Operation Data:** Feed water TDS: 280 mg/l,  
Permeate TDS: 2.0 mg/l,  
Permeate flow: 10,000 GPD,  
System Recovery: 80%,  
Product quality after EDI: 14 meg Ohms

**Capacity:** 50,000 GPD

**Project Summary:** This project was to supply equipment to provide process water for Uranium Disposition process. This incorporated the Electro-deionized (EDI) unit - EDI technology to further polish the product water from the RO to a high purity, which was the project requirement.