

Boynton Beach Expansion

Municipal Potable Water Supply



Year: 2003

Start-Up Date: 3/2004

Client/Owner: City of Boynton Beach

Engineer: Global Tech Inc.

Location: Boynton Beach, FL, USA



Application: Municipal Potable Water

Scope of Work: Plant expansion through new high square footage element installation; change out and commissioning, improve clearwell transfer pump performance by upsizing pump impeller.

Operation Data: Permeate Flow before: 1.33 MGD/train,
Permeate Flow after: 1.57 MGD/train,
Permeate TDS: 20 mg/l,
Recovery: 85%

Capacity: 3 x 1,400,000 GPD

Project Summary: Doosan Hydro Technology increased the product flow output by retrofitting three (3) trains with membranes of higher sheet area. The clearwell transfer pumps also had to be upsized to handle the additional flow delivered to it.

