

Water Quality Monitoring for WWTP

WATHBA & SAAD, ABU DHABI, UAE

ISTP1 is a 25 years concession granted by Abu Dhabi Sewerage Services Company (ADSSC) under which Al Etihad Biwater Waste Water Company is required to build, own and operate two wastewater treatment plants at Al Wathba and Al Saad, and to transfer at the end of the concession term the two plants to ADSSC.

The construction was carried out by a consortium comprised of Kharafi National KSC (KN) and UK's Biwater International Limited (BIL).

Al Saad Wastewater Treatment Plant is designed to treat a maximum capacity of 92,000 m³/day; today, the flows processed and treated at the plant is in the range of 80,000 m³/day. The Al Wathba Plant has a maximum capacity of 345,000 m³/day.

MENA WATER FZC had the chance to win the water quality monitoring package.

The package included the monitoring of water quality in the by-pass balancing, mixing chambers / Inlet chambers & chlorine contact tank as below:

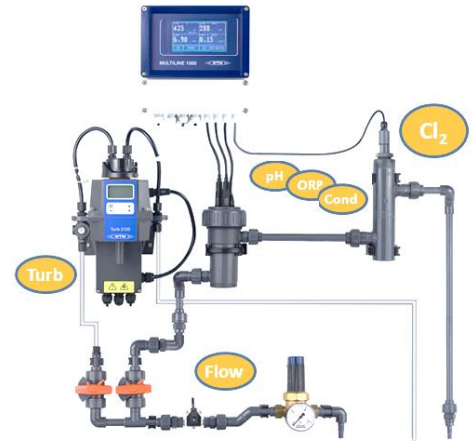
- pH/Cond/TDS/Ammonium/ Total Chlorine/Turbidity/ORP/ D.O plus stationary water sampler
- All the Instruments used in that project are of German origin

Assembly of the instruments inside GRP kiosks as a protection and long life of the instruments has been done locally by MENA WATER FZC.

Water Quality monitoring ensures the efficiency of the WWTP .

The commissioning of the project was started at 2010.

Monitoring the efficiency of a treatment plant



PROJECT DATA

- Capacity 92,000 m³/day /345,000 m³/day build in 1 stage
- Water Quality Monitoring

