



FREYSSINET
SUSTAINABLE TECHNOLOGY

Al Samra Wastewater Treatment Plant (WWTP) is the largest wastewater treatment facility in Jordan. It was built to improve the quality of water in the country by treating wastewater released from the Zerqa river basin.

With two separate projects by two main contractors in Jordan (ATCCO and Omar Abu Saad Contracting Company); Freyssinet scope was to design, supply and install the pre-stressed concrete beams and walls of circular tanks (3 aeration tanks, 3 secondary settling tanks, 3 digester tanks, 3 primary sludge thickener tanks and 2 floatation tanks) with a total of 350 Tons of 5B15 system.

Both projects were an extension to a vital and essential project in a country that has been struggling with water supply shortage historically. Accordingly, this project is important for social, environmental and economical development of Jordan.

The wastewater management system of the city capital Amman area includes the collection, conveyance and treatment of 267,000m³ per day of the wastewater generated in Amman and Zarqa where 60% of Jordan population lives. This also internally generates 95% of the required electricity for the treatment process.

New structures

Post-Tensioning Works

Al Samra Wastewater Treatment Plant
Amman - Jordan



Client

As Samra wastewater treatment plant

Consultant

Morganti

Contractor

ATTCO and Omar Abu Saad Co.

Construction

May 2013 - 2014