

**Tanks****Reference Details:**

**Owner** Ministry of Water and Irrigation, The Hashemite Kingdom of Jordan +++ **General Contractor and Consultant** Consortium of The Morganti Group, Inc., USA and Infilco Degremont, Inc., USA

**DSI Unit** DSI Group HQ Operations, Munich, Germany

**DSI Services** Supply of 560 t DYWIDAG Post-Tensioning Systems, Type MA 5 and 9x0.6", Rental of Prestressing Equipment and Technical Assistance for Installation.

**DYWIDAG Technology is incorporated into Jordan's largest Wastewater Treatment Plant****As-Samra Wastewater Treatment Plant, Greater Amman Area, Jordan**

The new As-Samra Wastewater Treatment Plant, expected to be operational by December 2006, will replace the existing overloaded and inadequate facility. The plant will play a central role in Jordan's overall water management strategy. Jordan is located in one of the semi-arid areas of the World. During the last few years, the country has experienced an improved standard of living, significant population growth as well as growth in agriculture and industry.

As a result, the country's natural water resources are almost completely consumed. Hence it is absolutely necessary that wastewater be reused to avoid future shortfalls in available water supply. Once complete, the new wastewater treatment facilities at the plant will be capable of treating up to 530,000 cubic meters of wastewater per day to serve 2 million residents of the Amman and Zarga areas, the first and third most populated cities of Jordan.

The plant is designed to meet Jordanian and international environmental standards for discharge into streams and river valleys. Thus the treated water can be used for irrigation and for industrial purposes, thereby freeing up urgently needed drinking water.

The concrete outside walls of 8 aeration tanks, 8 secondary settlement tanks and 4 anaerobic digesters tanks are prestressed with circumferential DYWIDAG Strand Tendons 5x0.6" and 9x0.6". The project is constructed by The Morganti Group, Inc. as a part of a consortium with Infilco Degremont, Inc. under "Jordan's first ever" BOT agreement with the Jordanian Ministry of Water and Irrigation.