Waste Water Treatment Plant Wadi Arab/ Jordan

Client: Ministry of Water and Irrigation
Water Authority of Jordan
The Hashemite Kingdom of Jordan

Location: Greater Irbid Area, WWTP Wadi Arab
Jordan

Contact Address: Ministry of Water and Irrigation
Water Authority of Jordan
Mr. Kilani
P.O. Box 2412
Amman
The Hashemite Kingdom of Jordan

Consultant: Joint Venture DAR and RRI
in Association with SIGMA Eng.

Joint Venture Partners: United Enterprises Co., Jordanien
(Civil Works)

Capacity in Volume: 1450 m³/h

Capacity in Inhabitant Equivalent: 200.000

Year of Award of Contract: 1996

Year of Completion: 1998

Beginning of Start-up: 08/98

Duration of Start-up: 2 months


Process Description: Construction of a turnkey sewage treatment plant
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Process Stages:
- Coarse screen/ fine screen/ grit chamber
- Aeration tanks/ final treatment
- Sludge thickening/ drying beds
- Chlorination

Scope of Delivery:
- Mechanical and electrical equipment incl. rotation screen, grit chamber scraper, surface aerator, sedimentation tank scraper, picket fence-raking device, pipeworks

Scope of Services:
- Detail engineering
- Construction
- Supply
- Assembly
- Start-up
- Joint venture leadership

Freights:
- BOD 12,120 kg/d
- SS 12,120 kg/d