



**Project: GROUNDWATER FOR REVERSE OSMOSIS DESALINATION
Feasibility study and project implementation**

Location: Ras Abu Jarjur, Bahrain

Client: Ministry of Works, Power and Water - State of Bahrain

The project involved a detailed feasibility study and implementation of a project to establish a 46.5 ML/day reverse osmosis desalination plant, fed by brackish groundwater extracted from the Tertiary Rus Formation. Ten investigation boreholes were drilled and tested; testing involved geophysical logging, long and short-term pumping tests, and detailed hydrochemical studies. Following satisfactory results from the testing program, a production wellfield was drilled and equipped.

Services Rendered

As Senior Hydrogeologist on the project Chris Jewell was responsible for managing the drilling and geophysical logging subcontractors, organising and analysing pumping tests, and carrying out hydrochemical sampling. He carried out most of the data reduction and interpretation, wrote large sections of the report, and managed report production, which was carried out locally.

Associated Companies

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