



ZARQA WATER RESTRUCTURING AND REHABILITATION

Zarqa City, JORDAN

Client: Water Authority of Jordan

SUMMARY:

Value: US \$90 million
Status: Under Construction to 2011
Finance: Millennium Challenge Corporation
Consultant: Nicholas O'Dwyer (Ireland)

Services Provided:

- Surveys, mapping and data collection
- Pilot Leakage studies
- Hydraulic Modelling of the water network.
- Network improvements & rehabilitation measures.
- Economic and Social Analysis.
- Environmental Assessment.
- Preliminary Designs & Feasibility Study
- Preparation of tender documents.

Narrative Description of Project:

The principal objectives of the project was to identify the requirements for rehabilitation and/or upgrading of the water delivery system of Zarqa Water Governorate and develop an Investment Master Plan that is aimed at significantly reducing non revenue water in the Governorate in the most cost-effective manner. The project is structured into five parts:

- Preparatory work comprised of site surveys; investigations; initial environmental and social assessment; and engineering analyses that are needed to identify rehabilitation and upgrading requirements.
- Development of the Investment Master Plan for the water system of the Zarqa Governorate.
- Assessment of feasibility of all identified projects within the Investment Master Plan and selection of proposed investments.
- Once specific projects are defined, preparation of environmental and social impact assessment, environmental management plan, and if necessary a resettlement action plan.
- Development of bid documents for the delivery of the selected projects.



Nicholas O'Dwyer
 CONSULTING ENGINEERS