

Improving the Operational Efficiency of Al-Mukallah Water Supply System

Client

National Water and Sanitation Authority (NWSA)

Scope of Work

- Update the existing water distribution system drawings. Implement a leak detection program.
- Develop a computerized mathematical model for simulating network flows and perform pipe network analysis.
- Train NWSA personnel on the use of leak detection equipment and computer software (pipe network analysis, CADD, Lotus, WordPerfect and database).
- Review all existing documentation related to land-use, population, weather conditions, etc.

- Prepare the Master Plan for Al-Mukalla Water Supply System and recommend the required network rehabilitation and reinforcement implementation program.

Location

Al-Mukallah, Yemen

Types of Activities

Civil works

The project main objective was to improve the operational efficiency and effectiveness of Al-Mukallah water supply system to provide adequate water at minimum cost to all potential consumers. A secondary objective was to prepare a feasibility study and a master plan for the replacement and/or strengthening of the existing distribution system.

