

# Dunshaughlin Water Supply Scheme

**Date: 2008—2009**

**Contract Value: €3.5m**

## Contract Summary

Provision of new WSS to supply the projected average day demand up to the Year 2025. Overall scheme involved construction of a WTP with capacity to produce 3635m<sup>3</sup> /day of potable treated water with future expansion to 7000 m<sup>3</sup> /day. TES were responsible for complete design and project management of M&E works.

## Contract Specifications

### BOREHOLE EQUIPMENT

- Pumps
- Surge Equipment
- Control Panel c/w PLC, Radio, GRP Kiosk

### INLET WORKS

- Flow Distribution Chamber
- Flocculator
- Mixers
- DAF

### FILTRATION

- Filters
- Media

### HIGHLIFT AND BACKWASH

- High Lift Pumps
- Backwash Pumps
- Scour Pump
- Drainage Pumps
- Sample Pumps
- Gantry Crane

### SLUDGE PLANT

- Recovery Tank Pump
- Picket Fence Thickener & Feed Pumps

### CHEMICAL DOSING

- Sulphuric Acid
- Aluminium Sulphate
- Chlorine
- Polyelectrolyte Coagulant Aid
- Sodium Bisulphite
- Soda Ash
- Polyelectrolyte Thickening Aid
- Fluorine
- Sampling & Analysis

### ELECTRICAL

- MCCs & Distribution
- Isolators
- Plant Cabling & Trays
- Power Factor Correction
- Radio Frequency Interference
- Lightning Protection
- Process Equipment

### TELEMETRY AND SCADA

- SCADA Software, Communications & Structure
- SCADA System Hardware
- Trending, Reporting, Alarms
- HMI & PLC
- Telemetry Communications

### BUILDING SERVICES

- Heating, Soils and Wastes
- Hot, Cold and Potable Water
- Lighting
- General and external Power
- Fire Alarm, Security
- Telephone, Door Intercom
- CCTV, Motorised Gate
- Navigation Lighting

### TESTING

- Commissioning & Documentation
- MCC Type Tests
- Site Testing, Commissioning Underground Cables & Circuits
- Control System Site Acceptance Testing
- Test Certificates
- Installation Inspection
- Pre-Commissioning Tests (Electrical)
- Water Analysis

### O&M

- O&M Manuals, Drawings
- Training Requirements
- Safety Equipment
- Tools And Spare Parts

### GENERAL

- Access Stairs, Ladders, Hand railing, Kicker Plates, Instrumentation, Ventilation Systems, pipework, valves

### Client

Meath County Council, County Hall, Navan, Co. Meath, Tel: +353 (0) 46 9097000

### Contact:

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### Consultant Engineer

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