



Project Omega

Date: 2008—2009

Contract Value: £3.34m

Contract Summary

Extensive PPP Project which included the upgrading of a number of existing WwTW at Ballyrickard, Ballynacor, Bullays Hill, Seagoe Armagh and Richill, construction of a new WwTW for North Down/Ards and the provision of a sludge disposal solution for Northern Ireland. TES were responsible for project management, site management, design and H&S Management. Responsibilities included part plant supply, design, manufacture, systems integration and commissioning.

Contract Specifications

PLANT

- Storm Pumping
- Final Effluent Pumping
- Mixers
- Sludge Pumps
- Pipework up to 900mm includes ductile stainless steel and uPVC
- Washwater booster sets c/w breaktanks
- Inlet screening

REFURBISHMENT

- Detritors – GRP covers, refurbishment of existing plant including new motors, MCCs, cabling and commissioning
- Screw Pumping Stations including pumps and pipework, access stairs, ladders, hand railing and platforms for storm, RAS/SAS and FFT Stations

DAF / FOGG Plant

- DAF Unit c/s saturation pumps, sludge pumps feed pumps, pipework, actuator air valves, sludge tank manufacture, instrumentation, MCC, Manufacture of PLC installation and commissioning and cable installation

MCCs & SITECHBOARDS

- Manufacture, design, installation and commissioning of existing project MCC and switchboard, total 28 no panels to Thames Water specification.
- Include interfacing with NIE and Generator Supplies

INSTRUMENTATION

- Flow – Magmaster, speedy velocity
- Level – ultrasonic, conductivity
- Do Measurement and Sampling

CABLING

- LV Site Cabling
- Control/Instrumentation Cabling
- Fibre-optic Ethernet cabling
- Profibus cabling
- NICEIC testing
- Network Testing
- Cable ways, including trays and ladders

CHEMICAL DOSING

- FERRIC lines and injection points
- Glycerol lines and injection points

SCADA & PLC

- Included control, trenching, reporting and alarms
- SCADA software, hardware and commissioning
- PLC software, hardware and commissioning
- HMI software, hardware and commissioning
- Communication, radio and telemetry

BUILDING SERVICES

- Heating, General Power
- Internal and Site Lighting
- Fire Alarm, Intruder Detection
- Trace Heating and pipe cladding

CIVIL WORKS

- Pumping sumps
- Duct laying
- Flow meter chambers
- Groundworks

Client

Laing O'Rourke for NIW, Seagoe WWTW, Portadown, BT63 5HS

Contact

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