

EMS Killyhevlin Water Treatment Works

Date: 2005—2006

Contract Value: £240,000

Contract Summary

All Civil & M&E Works to install a diesel spill system, acid and caustic spill system. Replace all chemical dosing lines with double contained CPVC pipes. Leak detection monitoring. New PLC, MCC extension and SCADA upgrade.

Contract Specifications

- **Diesel Spill Tank**—One 10m³ underground diesel spill tank
- **Acid/caustic spill tank**—Two 1.5m³ acid/caustic tanks and spill pumps
- **CPVC dosing lines**—1600m of new dosing lines for acid, caustic, poly, lime, s/hypoclorite.
- **Leak detection system**—Leak detection sensors and panels
- **PLC System**—Allen Bradley SLC 5/05 PLC added to the ex Ethernet network
- **SCADA additions**—Additional screens for the Wiscon SCADA system
- **Shutdown actuators**—Rotork Q actuators to shutdown water if leaks occur.
- **Civil Works**—All civil works for the tanks, ducts, hardstanding
- **Instruments**—Siemens Ultrasonic levels

Client

NI Water, Belt Rd., Altnagalvin, Derry

Consultant Engineer

McAdams Design, 18 Victoria Avenue, Newtownards, Co. Down

