

## Electrical Testing & Inspection

<b>Contract Value</b>	£202,489	<b>Commenced</b>	Dec 2007
<b>Contract Period</b>	28 Weeks	<b>Completed</b>	Jul 2008

### Features

- NIC-EIC Inspecting & Testing, Head office/Garage/Stores Higher Swan Lane, Bolton
- NIC-EIC Inspecting & Testing, Rakes Lane Thermal Recovery Facility, Bolton
- NIC-EIC Inspecting & Testing, GMW Training Centre, Bolton
- NIC-EIC Inspecting & Testing, Rochdale Collection Site
- Remedial work, Installation High-Bay Lighting circuits Swan Lane, Bolton
- Remedial work, Installation of stores office lighting & power circuits Higher Swan Lane, Bolton
- Remedial work, Installation offices ground & first floor lighting & power circuits Higher Swan Lane, Bolton
- Removal of redundant lighting South Manchester treatment plant

### Brief Description

Greater Manchester Waste Limited (GMW) is a company owned and controlled by the Greater Manchester Waste Disposal Authority, handling over 1.4 million tonnes of municipal solid waste (MSW) each year.



GMW operates four materials recovery facilities which process over 45% of the MSW generated throughout the region. Separation and extraction techniques, developed in-house, enable the recovery of steel and aluminium cans from the waste stream for recycling.

Bolton Thermal Recovery Facility produces energy from waste by recovering heat from the combustion process, which generates 10 MW of

electricity back into the National Grid, equivalent to the energy needed to heat 7,000 homes.

Other facilities within the Greater Manchester region include 25 Household Waste Recycling Centres, managed by GMW, which receive recyclable materials including glass, cans, paper and green waste.

GMW is currently being bought out by Viridor Waste Management, a Pennon Group Plc company. As part of the take-over, Viridor has instructed GMW to carry out NIC-EIC inspecting and testing at all their sites. This will ascertain the compliance of plant and offices meeting 16<sup>th</sup> Edition IEE wiring regulations. Under a series of single works contracts, Byzak is carrying out a programme of testing and inspections at various sites as listed above.



The work was carried out during the night to minimise disruption to staff and the operational constraints of the works. This involved testing every circuit at the Swan Lane premises, Rakes Lane plant and Rochdale collection plant. The GMW Training Centre was sample tested since this site has been part of a previous testing regime.

On completion of the testing and inspecting at each plant / offices, several faults and non-compliances with current regulations were highlighted. GMW has subsequently engaged Byzak to carry out remedial work to bring all electrical circuits up to current regulations

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