

# ALEXANDER

2 WATERWORKS ROAD, OMAGH, CO. TYRONE, BT79 7JS  
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## ACCREDITATION AND ORGANISATIONS



## LIMAVADY SUBSTATION

<b>CLIENT</b>	<b>Northern Ireland Electricity</b>
<b>DESIGN ENGINEER</b>	<b>Faber Maunsell</b>
<b>CONTRACT VALUE</b>	<b>£38,000</b>
<b>CONTRACT PERIOD</b>	<b>8 weeks</b>



### DETAILS

This project was completed to minimise the environmental impact of any leakages within Limavady main substation. This was an older generation substation and only minimal preventative measures were in place to control oil leaks from the transformers. To address this problem NIE required that 2 existing transformer bases be retro bunded to contain spillages.

The existing brick walls were demolished and new RC base slabs and walls were keyed into the existing concrete bases. Also a new bunded holding tank was constructed to each transformer base to hold the full capacity of the transformer oil.

### ENVIRONMENTAL CONSIDERATIONS

All spoil excavated from the transformer bases was classified as contaminated waste and had to be disposed of specially.

### HEALTH AND SAFETY CONSIDERATIONS

This was a very complex little job as work had to be completed around live conductors and structures. To ensure existing structures were not undermined bases were propped and one sided walls poured to stabilise.

Concessions had to be made also to modify a 3T dumper with no roll bar as otherwise it would not have been possible to maintain a safe working distance from the conductors. Due to the nature of these works only our most experienced NIE squad was permitted on this job. All had the required training and numerous years' experience of live substation work.