## Project Data

<table>
<thead>
<tr>
<th>Region:</th>
<th>Leeds, Yorkshire</th>
</tr>
</thead>
<tbody>
<tr>
<td>Client:</td>
<td>Biffa Waste Services Ltd</td>
</tr>
<tr>
<td>Involved Units:</td>
<td>Eneotech Northern Office</td>
</tr>
<tr>
<td>Execution Time:</td>
<td>August-October 2012</td>
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<tr>
<td>Contract Value:</td>
<td>£270.00</td>
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</tbody>
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## Work Performed

- Regulation of waste
- Installation of 40,000sq.m of 1mm LLDPE geomembrane
- Supply and installation of geotextile protection
- 40,000cu.m earthworks
- 4,000 sq m of cell side wall liner comprising
- 2mm HDPE
- Geocomposite protection/drainage layer
- 90 m side slope riser pipes

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**Landfill capping Skelton Grange Landfill Site, Leeds**

Remediation and Reprocessing of Landfill Sites
Eneotech Environmental Ltd (Eneotech) is currently carrying out the placement of 40,000sq.m of capping system for Biffa Waste Services at Skelton Grange Landfill Site, Leeds, Yorkshire Cheshire.

The site had been a domestic landfill for the past 12 years and is still active.

The post closure plan contained in the site Pollution Prevention Control licence (PPC) requires that the site is restored to a designed specification which comprises a suitably impermeable lining system and facility for gas and leachate extraction.

The lining system comprises a 300mm soil regulation layer above the waste which ensures no sharp objects affect the geomembrane.

A 1mm LLDPE geomembrane is placed on the regulating layer. This effectively seals the surface preventing the ingress of water and generation of leachate. It confines the landfill gas which is removed via a controlled system of gas wells and pipework. This leads to the engines that generate power which is fed into the national grid.

A geotextile layer is placed on the geomembrane as protection from stones within the restoration layer.

Inert material continues to be brought to site for restoration and is screened to produce a fines protection layer.

Our company Eneotech Environmental Ltd ranks as one of the most highly skilled and dependable services providers specialising in site rehabilitation, waste disposal and service platform preparation.