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PRESS RELEASE



ISO 9001
Cert No.2057



ISO 14001
Cert No.1410

Green Energy Solutions

INNOVATIVE FLARE STACK FOR BROMBOROUGH LANDFILL

Since ETSU released new UK emission guidelines during the Kenilworth Landfill Conference in March 1999, many progressive landfill site managers in England have decided in favour of high-end flare units which comply with the new emission standards for the landfill gas combustion.

Clarke Energy, exclusive UK distributor for Haase Energietechnik GmbH, the German market leader in landfill gas process equipment, has commissioned a high temperature flare unit for UK Waste at its Bromborough landfill site south of Liverpool. The site provides gas for the operation of 2x 320 Jenbacher generators, also supplied by Clarke Energy. Excess gas is flared off by the Haase flares.

The special design of the Bromborough plant makes it one of the most innovative flare units currently in operation in the UK. It consists of two flare stacks, one dual-circuit flare with a capacity of 1,500 cubic metres per hour and a range of control of 1:10 (7.5 MW), and one single-circuit flare with a capacity of 2,500 cubic metres per hour and a range of control of 1:5 (12.5MW).

At Bromborough, the landfill gas is flared at a temperature of 1000 - 1100 °C. The exhaust emission values easily comply with German TA-Luft and proposed future UK standards for emissions of carbon monoxides and the oxides of nitrogen (CO=50mg/m³; NO_x=150mg/m³).

The Bromborough flare unit is the first of its kind; its specific design is unique and has never been realised before. The flares are equipped with a special atmospheric burner working on the principle of natural draught i.e. without an extra blower for combustion. Gas and air are thoroughly mixed in a single direction flow. Low investment costs, low power consumption, little wear and tear and reduced maintenance costs are some of the main benefits. The complete system is available with a one year guarantee, extendable to 10 years on flare stack and three years on firing parts/nozzles.

Note:-

Clarke Energy Limited is a leading worldwide Energy Systems Company offering a wide range of green power generation solutions with offices in Australia, France, India, Nigeria, New Zealand and UK. Clarke Energy employs over 150 people worldwide and operates as part of the Clarke Group.

Further information about Clarke Energy and its activities is available by contacting the Public Relations and Marketing Department on 0151 546 4446 or via email at: pr@clarke-energy.co.uk