

Merseyside Energy Recovery

Merseyside Energy Recovery Ltd

Suez House, Grenfell Road, Maidenhead, SL6 1ES

Tel: 00 33 5 6346 1680

CERTIFICATE

ENGINEERING, PROCUREMENT AND CONSTRUCTION OF AN ENERGY FROM WASTE FACILITY TO SERVE THE REGION OF WILTON MERSEYSIDE

The undersigned Andrew Stokes Project Director and employers representative on behalf of Merseyside Energy Recovery Ltd, hereby certifies that:

- CNIM Clugston (Wilton) Limited, (the EPC Contractor), a Joint Venture Company between CNIM S.A. and Clugston Construction Limited, led by CNIM S.A. (Constructions Industrielles de la Méditerranée), whose registered office is at 35 rue de Bassano, 75008, Paris, France, was awarded on the 20th of December 2013:
 - a turnkey EPC (Engineering, Procurement, Construction and Commissioning) contract for an EfW (Energy from Waste) facility located at Wilton International, Wilton, Middlesbrough, TS90 8WS Cleveland
 - by Merseyside Energy Recovery Ltd, a consortium led by Suez Recycling and Recovery UK Ltd, a subsidiary of Suez Environnement.Merseyside Energy Recovery Ltd registered offices are located at Suez House, Grenfell Road, Maidenhead, Berkshire, SL6 1ES, UK.
- CNIM, as Process Works Sub-Contractor of the EPC Contractor, was in charge of the design of the plant, the supply and erection of all the equipment and the commissioning. Clugston, as Civil Works Sub-contractor of the EPC Contractor, was in charge of civil works and buildings construction.
- The Contract Sum is € 177 122 076 + £ 63 444 589, VAT excluded.
- The design capacity of the Energy Recovery Facility (ERF) of Wilton is 444,000 tonnes per annum of residual waste from household waste separate collection and recycling centres, industrial and commercial waste from offices, warehouses, shops and industrial premises with average NCV of 9.8 MJ kg⁻¹.
- The ERF consists mainly of:
 - two streams with a capacity 29.2 tonnes of waste per hour per stream, each including a grate-fired furnace with integrated steam boiler;
 - one turbine-generator set (net power 50 MWe) with a provision for heat export;
 - two dry Flue Gas Cleaning (FGC) systems (one per stream), each including a SNCR (Selective Non Catalytic Reduction) de-NOx with ammonia water, a Vapolab reactor with residues recycling, a bag filter and a dry de-diox treatment with adsorbent.
- The ERF complies with the British and European legislation in force, including Directive 2000/76/EC on the incineration of waste and its requirements in respect of Emission Limit Values to the atmosphere as well as the ones of the 2008/98/CE (Waste Framework Directive) and 2010/75/CE (Industrial Emission Directive).
- The ERF was taken-over by Merseyside Energy Recovery Ltd on the 23rd of December 2016 and since this date the Facility has been operational.

Dated 1st June 2017.



Andrew Stokes Project Director, Employers Representative to Merseyside Energy Recovery Ltd