Lakeside Energy for Waste commissions
Mobile Water Services for Boiler Maintenance, UK

The Client

Lakeside EFW is a major energy from waste plant in Colnbrook, UK. Lakeside EFW operates under strict environmental controls, within the guidelines of the Waste Incineration Directive (WID) and an Environmental Permit administered by The Environment Agency.

The facility incinerates 410,000 tonnes of household and municipal waste per year and exports 34 MW of electricity to the National Grid. This process diverts the majority (over 95%) of waste from landfill.

The Client’s Needs

Lakeside Energy For Waste ‘EFW’ plant uses waste fired boilers generating 45bar steam to drive a turbine. When a boiler is drained for its routine maintenance it has to be refilled with demineralised water, with a limited flow from the make-up water demineralisation plant, this would take about three days – days of lost generation.

The Solution

With a Mobile Water Services MOFI™ 35m³/h mobile plant, Lakeside can get their boiler up and running in less than a day. The increased generation revenue more than covers the hire cost.

A Mobile Water Services engineer can be deployed, together with the necessary equipment, fittings and documentation within 2 hours of a call, so a MOFI™ is on standby at short notice in the event of a problem with their demineralisation plant.

The MOFI™ is self contained, and regeneration is carried out at Veolia Water Technologies’s regeneration station in Stoke-on-Trent, so there is no chemical or waste handling on site.

The Benefits

- Process Capacity: a continuous supply of 35m³/h
- Rapid Response: Onsite within hours of call out
- Service Quality: Able to supply continuous flow without interrupting production of other units
- To Budget: project is done within client budget

For further information:
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