

Annual Reduction in Heat Emissions 2016

Kirklees EfW



KIRKLEES
Energy from Waste Facility

2016 ANNUAL

REDUCTION IN HEAT EMISSIONS

REPORT ON OPPORTUNITIES FOR REDUCTION IN HEAT EMISSIONS 2016

Review (with regard to BAT) of opportunities for reducing heat releases from the installation, including CHP

District Waste Heating project is on hold as the economics of the scheme at present are not viable.

The scheme could provide around 32,000 MWh of heat to public buildings and commercial properties around Huddersfield Town Centre.

Identify progress with those opportunities identified in the previous annual report

District heating is ongoing project.

Aging lagging replacement scheme to improve efficiency of the plant ongoing.

The new cleaning regime for boiler super heaters which enables better heat exchange in the boiler reduces the flue gas temperature and increasing the overall thermal efficiency of the plant.

Identify the net usable energy produced per tonne of waste processed (i.e. parasitic loads arising in the installation to be deducted and unused energy discharged from cooling operations to be discarded)

Total Energy Generated (MWh) – Parasitic Load (MWh) / Waste Processed (t) = Net Usable Energy produced per tonne of waste processed (MWh/t)

72436 MWh – 9880 MWh = 62556 MWh

62556 MWh / 133445 t = 0.468 MW/t

0.468 MW/t – net usable energy produced per tonne of waste processed.