



G E S

Energy Management

BOILER COMBUSTION REPORT - HFO

COMPANY : SAMPLE
DATE of TEST : 8th September 2008
TIME : 11.20 hrs
PLANT : Yarrow Danks (DB 809 – BLR 00005)
BURNER : Riello 450/TN
Test by : E L Blomeyer

Firing rate – 1st & 2nd Nozzle
1st 2nd

	Actual Reading			Desired Reading
Stack Temperature	177.2	190.2	°C	179.9°C
O ²	4.3	7.5	%	3.5%
CO ²	12.6	10.2	%	13%
CO	16.0	7.0	ppm	200 ppm max
Nett Efficiency	92.4	90.1	%	95%
Gross Efficiency	87.3	85.1	%	90%
Excess Air	25.7	55.8	%	25%
Ambient Temperature	27.2		°C	
Steam Pressure	700		kPa	
Ring Main Pressure	210		kPa	150 – 200 kPa
Ring Main Temperature	68		°C	55°C