

Durham York Energy Centre - Acceptance Test Table Performance

Test	Project Agreement Guarantee	Covanta	HDR	HDR Recommendation	Owners' Technical Recommendation
Operations					
Reliability	Facility-wide operations at a minimum of 95% Design Steam Flow	101.6% of design steam flow	101.9% of design steam flow	Pass	Pass
	95% Availability of Boiler	The Facility achieved a 99.93% average boiler availability	The Facility achieved a 99.93% average boiler availability	Pass	Pass
Throughput Capacity	Full load for 5 consecutive days HHV of 13,327 kJ/kg 2,124 tonnes and a minimum of a 1,000 tonnes per boiler	total actual throughput 2,260 tonnes	total actual throughput 2,251 tonnes Boilers #1 and #2 was 1,131 tonnes and 1,120 tonnes, respectively.	Pass	Pass
Energy Recovery	gross energy: 937 kWh/Tonne (HHV of 13.8)	961 kWh/Tonne at 13.7 MJ/kg	965 kWh/Tonne at 13.8 MJ/kg	Pass	Pass
	net energy: 829 kWh/Tonne (HHV of 13.8)	840 kWh/Tonne at 13.7 MJ/kg	846 kWh/Tonne at 13.8 MJ/kg	Pass	Pass
Residue Quality	Unburned Combustible less than 3%	less than 0.83%	less than 0.83%	Pass	Pass
	Moisture less than the 25%	averaged 16.7%	averaged 16.7%	Pass	Pass
Residue Quantity	HHV of 13,359 kJ/kg 30- days: maximum of 29.4%	quantity was 26.7% ⁽¹⁾	quantity was 31.87%	Fail	Fail
	HHV of 13,180 kJ/kg 5 – days: maximum of 29.7%	quantity was 26.8% ⁽¹⁾ (1) = Based on Covanta assertion that Pozzolan/Cement is excluded from the calculation for fly ash quantity.	quantity was 29.9%	Fail	Fail
Metals Recovery	Ferrous : 80% by weight	87.7% by weight	83.0% by weight	Pass	Pass
	Non-ferrous: 60% by weight	84.7% by weight	84.7% by weight	Pass	Pass