

The average results for the tests conducted at the Boiler No. 1 BH Outlet and Boiler No. 2 BH Outlet, along with the respective in-stack emission limits, are summarized in the following table:

Parameter	Limit	Boiler No. 1	Boiler No. 2	Combined Boilers
Power Output (MWh/day)	-	-	-	378 <sup>(7)</sup>
Average Combustion Zone Temp. (°C)	-	1216	1246	1231 <sup>(8)</sup>
Steam (tonnes/day)	-	749	797	1546 <sup>(7)</sup>
MSW Combusted (tonnes/day)	-	189	209	398 <sup>(7)</sup>
NOx Reagent Injection Rate (liters/d)	-	644	1076	1720 <sup>(7)</sup>
Carbon Injection (kg/day)	-	114	117	231 <sup>(7)</sup>
Lime Injection (kg/day)	-	3801	4476	8277 <sup>(7)</sup>
Stack Temperature (°C)	-	142	140	141 <sup>(8)</sup>
Moisture Content (%)	-	16.1	15.6	15.9 <sup>(8)</sup>
Velocity (m/s)	-	16.7	17.3	-
Static Pressure (kPa)	-	-2.76	-2.47	-2.62 <sup>(8)</sup>
Absolute Pressure (kPa)	-	97.9	98.1	98.0 <sup>(8)</sup>
Actual Flowrate (m <sup>3</sup> /s)	-	24.7	25.6	-
Dry Reference Flowrate (Rm <sup>3</sup> /s) <sup>(1)</sup>	-	14.4	15.1	29.5 <sup>(7)</sup>
Oxygen (%)	-	7.38	8.17	7.78 <sup>(8)</sup>
Carbon Dioxide (%)	-	11.8	11.3	11.6 <sup>(8)</sup>
Particulate (mg/Rm <sup>3</sup> ) <sup>(2)</sup>	9	<0.62	<0.48	<0.55 <sup>(8)</sup>
Mercury (µg/Rm <sup>3</sup> ) <sup>(2)</sup>	15	0.44	0.27	0.36 <sup>(8)</sup>
Cadmium (µg/Rm <sup>3</sup> ) <sup>(2)</sup>	7	<0.043	<0.043	<0.043 <sup>(8)</sup>
Lead (µg/Rm <sup>3</sup> ) <sup>(2)</sup>	50	0.27	0.22	0.25 <sup>(8)</sup>
Dioxins and Furans (pg TEQ/Rm <sup>3</sup> ) <sup>(3)</sup>	60	<818	<12.1	<415 <sup>(8)</sup>
Hydrochloric Acid (mg/Rm <sup>3</sup> ) <sup>(4)</sup>	9	5.6	5.3	5.5 <sup>(8)</sup>
Sulphur Dioxide (mg/Rm <sup>3</sup> ) <sup>(4)</sup>	35	0.2	0	0.1 <sup>(8)</sup>
Nitrogen Oxides (mg/Rm <sup>3</sup> ) <sup>(4)</sup>	121	111	111	111 <sup>(8)</sup>
Total Hydrocarbons (ppm, dry) <sup>(5)</sup>	50	0.8	0.9	0.9 <sup>(8)</sup>
Carbon Monoxide (mg/Rm <sup>3</sup> ) <sup>(6)</sup>	40	22.4	37.5	30.0 <sup>(8)</sup>

- (1) dry at 25°C and 1 atmosphere
- (2) dry at 25°C and 1 atmosphere, adjusted to 11% oxygen by volume
- (3) calculated using the NATO/CCMS (1989) toxicity equivalence factors and the detection limit for those isomers below the analytical detection limit, dry at 25°C and 1 atmosphere, adjusted to 11% oxygen by volume
- (4) maximum calculated rolling arithmetic average of 24 hours of data measured by the DYEC CEMS, dry at 25°C and 1 atmosphere, adjusted to 11% oxygen by volume
- (5) average of six half-hour tests conducted by ORTECH between April 19 and April 20, 2016 measured at an undiluted location, reported on a dry basis expressed as equivalent methane
- (6) maximum calculated rolling arithmetic average of 4 hours of data measured by the DYEC CEMS, dry at 25°C and 1 atmosphere, adjusted to 11% oxygen by volume
- (7) total for combined Boilers
- (8) average for combined Boilers