

Table 2 Summarised testing results at Point 1

Stack conditions and Pollutant	Unit	No. of samples required by licence	No. of samples collected and analysed	Lowest sample value	Mean of samples	Highest sample value
Dry gas density	kg/m ³	N/A	3	1.2	1.2	1.2
Molecular weight (Dry base)	g/mol	N/A	3	29.2	29.2	29.2
Temperature	°C	N/A	3	18	20	21
Moisture	%	N/A	3	97	98	99
Diameter	M	N/A	3	0.5	0.5	0.5
Area	m ²	N/A	3	0.2	0.2	0.2
Velocity	m/s	N/A	3	14.4	15.0	15.8
Flow rates	m ³ /s	N/A	3	2.8	2.9	3.1
Flow rate @ STP	m ³ /s	N/A	3	2.6	2.7	2.9
VOC	mg/m ³	N/A	2	8.4x10 ⁻⁰⁵	1.3x10 ⁻⁰⁴	1.8x10 ⁻⁰⁴
Odour conc.	OU/m ³	N/A	3	289	332	375
Odour emission rate	OU/s	N/A	3	826	905	1000
Removal efficiency	%	N/A	3	65%	67%	87%

Table 3 Summarised testing results at Point 2

Stack Parameter	Unit	Boiler Stack
Nitrogen oxide	mg/m ³	130
NOx @3% O ₂	mg/m ³	196.5
O ₂	%	8.77
CO ₂	%	7.16
CO	mg/m ³	107
Dry gas density	kg/m ³	1.29
Molecular weight (Dry base)	g/mol	29.5
Temperature	°C	190
Moisture	%	8.2
Diameter	m	0.25
Area	m ²	0.049
Velocity	m/s	1.3
Flow rates	m ³ /s	0.064
Flow rate @ STP	m ³ /s	0.038

The results under three different testing scenarios were plotted along with the past two years testing results in Figure 1. The ambient sample has shown a similar odour concentration (42 OU/m³).