TABLE 1
Langstone Vale Cremator & Abatement System
Emissions Monitoring 9th & 10th December 2019
Total Particulate Matter & Hydrogen Chloride Sampling

		Test 1 09 December 2019 13:35-14:35	Test 2 09 December 2019 15:24-16:24	Test 3 10 December 2019 14:17-15:17	**Average**	Requirement to PG5/2 (2012)
Total Particulate Matter	- mg/Nm^{3}c.	2.26 ± 2.08	3.00 ± 2.66	1.15 ± 2.37	**2.13**	<20
Hydrogen Chloride	- mg/Nm^{3}c.	1.30 ± 2.43	1.19 ± 3.10	1.57 ± 1.39	**1.35**	<30
Carbon Monoxide	- mg/Nm^{3}c.	4.76 ± 0.24	1.95 ± 0.10	7.99 ± 0.40	**4.90**	<100
Carbon Monoxide First 30 mins	- mg/Nm^{3}c.	9.11 ± 0.46	2.38 ± 0.12	5.43 ± 0.27	**5.64**	<100
Carbon Monoxide Second 30 mins	- mg/Nm^{3}c.	0.26 ± 0.01	1.51 ± 0.01	10.64 ± 0.53	**4.13**	<100
Organic Compounds	- mg/Nm^{3}c.	0.00 ± 0.01	0.18 ± 0.01	0.12 ± 0.01	**0.10**	<20
Flue Oxygen	- %v/v dry	14.70 ± 0.10	15.01 ± 0.10	14.58 ± 0.10	**14.76**	
Flue Moisture	- %v/v	7.7 ± 0.8	8.8 ± 0.9	7.0 ± 0.7	**7.8**	
	- %w/w	4.9 ± 0.5	5.7 ± 0.6	4.5 ± 0.4	**5.0**	
Flue Temperature	- Deg C	145 ± 2	143 ± 2	143 ± 2	**144**	
Volumetric Flow	- Nm^3/h dry	2120 ± 42	1670 ± 33	1834 ± 37	**1874**	

Note 1: All emissions as concentration levels are given as mg/Nm^3 corrected to 11%v/v oxygen and dry gas

Note 2: All uncertainties (±) are calculated to a 95% confidence interval
Uncertainties estimated using the procedure suggested in the STA Quality Guidance Note QGN001-01

TABLE 2
Langstone Vale Cremator & Abatement System Outlet
Emissions Monitoring 9th & 10th December 2019
Mercury Sampling

		Hg Test 10 December 2019 08:50-13:52	Requirement to PG5/2 (2012)
Mercury	- µg/Nm^{3}c.	4.68 ± 0.21	<50
Flue Oxygen	- %v/v dry	12.77 ± 0.10	
Flue Moisture	- %v/v	8.8 ± 0.9	
	- %w/w	5.6 ± 0.6	
Flue Temperature	- Deg C	139 ± 2	
Volumetric Flow	- Nm^3/h dry	1884 ± 38	

Note 1: All emissions as concentration levels are given as µg/Nm^3 or mg/Nm^3 corrected to 11%v/v oxygen and dry gas

Note 2: All uncertainties (±) are calculated to a 95% confidence interval
Uncertainties estimated using the procedure suggested in the STA Quality Guidance Note QGN001-01