

Permit Reference Number: EPR/MP3239FQ

Variation Reference Number: EPR/MP3239FQ V002

Operator: Tradebe Healthcare National Limited  
Form Dated 20 October 2011  
Installation: Wrexham Clinical Waste Incinerator

Form Number: Agency Form / A1/ AP3538SM/

### Reporting of Emissions to Air for the period from July 2016 to December 2016

Emission Point	Substance / Parameter	Emission Limit Value	Result Note 1	Test Method Note 2	Sample Date and Times Note 3	Accreditation/ Certification Note 4	Uncertainty Note 5
A1	Particulate Matter mg/m <sup>3</sup>	20 mg/m <sup>3</sup> periodic over minimum 1-hour period	3.9	BS EN 13284-1	26/07/16 12:53-13:58	UKAS & MCERTS	28.9%
A1	Total Organic Carbon (TOC) mg/m <sup>3</sup>	20 mg/m <sup>3</sup> periodic over minimum 1-hour period	0.90	BS EN 12619	26/07/16 12:45-13:45	UKAS & MCERTS	30.95%
A1	Oxides of Nitrogen (as NO <sub>2</sub> ) mg/m <sup>3</sup>	400 mg/m <sup>3</sup> periodic over minimum 4-hour period	210	BS EN 14792	28/07/16 09:21-13:21	UKAS & MCERTS	4.22%
A1	Carbon Monoxide mg/m <sup>3</sup>	100 mg/m <sup>3</sup> periodic over minimum 4-hour period	2.3	BS EN 15058	28/07/16 09:21 -13:21	UKAS & MCERTS	56.45%
A1	Sulphur Dioxide mg/m <sup>3</sup>	200 mg/m <sup>3</sup> periodic over minimum 4-hour period	3.3	BS EN14791	26/07/16 11.48-15.48	UKAS & MCERTS	10.6%
A1	Hydrogen chloride mg/m <sup>3</sup>	30 mg/m <sup>3</sup> periodic over minimum 1-hour period	20.7	BS EN 1911	26/07/16 12.53-13.23 13.28-13.58	UKAS & MCERTS	11.0%
A1	Hydrogen fluoride mg/m <sup>3</sup>	2 mg/m <sup>3</sup> periodic over minimum 1-hour period	<0.05	BS ISO 15713	28/07/16 11.43-12.43	UKAS & MCERTS	9.7%
A1	Cadmium & thallium and their compounds (total) mg/m <sup>3</sup>	0.05 mg/m <sup>3</sup> periodic over minimum 30 minute, maximum 8 hour period	0.004	BS EN 14385	26/07/16 14.33-14.48 14.53-15.08	UKAS & MCERTS	17.4%
A1	Mercury and its compounds mg/m <sup>3</sup>	0.05 mg/m <sup>3</sup> periodic over minimum 30 minute, maximum 8 hour period	0.003	BS EN 13211	26/07/16 14.33-14.48 14.53-15.08	UKAS & MCERTS	15.0%
A1	Sb, As, Pb, Cr, Co, Cu, Mn, Ni and V and their compounds (total) mg/m <sup>3</sup>	0.5 mg/m <sup>3</sup> periodic over minimum 30 minute, maximum 8 hour period	0.52	BS EN 14385	26/07/16 14.33-14.48 14.53-15.08	UKAS & MCERTS	16.6%
A1	Dioxins / furans (I-TEQ) <sup>6</sup> ng/m <sup>3</sup>	0.1 ng/m <sup>3</sup> periodic over minimum 6 hours, maximum 8 hour period	0.02	BS EN 1948	27/07/16 10.03-13.03 13.08-16.08	UKAS & MCERTS	0.004%

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A1	Dioxin-like PCBs (WHO-TEQ Humans / Mammals) <sup>6</sup> ng/m <sup>3</sup>	No limit applies	0.00118	BS EN 1948	27/07/16 10.03-13.03 13.08-16.08	UKAS & MCERTS	21.8%
A1	Dioxin-like PCBs (WHO-TEQ Fish) <sup>6</sup> ng/m <sup>3</sup>	No limit applies	0.00006	BS EN 1948	27/07/16 10.03-13.03 13.08-16.08	UKAS & MCERTS	0.00006%
A1	Dioxin-like PCBs (WHO-TEQ Birds) <sup>6</sup> ng/m <sup>3</sup>	No limit applies	0.00331	BS EN 1948	27/07/16 10.03-13.03 13.08-16.08	UKAS & MCERTS	0.00072%
A1	poly-cyclic aromatic hydrocarbons (PAHs) ug/m <sup>3</sup>	No limit applies	0.72	BS ISO 11338	27/07/16 10.03-13.03 13.08-16.08	UKAS & MCERTS	21.7%
A1	Dioxins / furans (WHO-TEQ Humans / Mammals) <sup>6</sup> ng/m <sup>3</sup>	No limit applies	0.02	BS EN 1948	27/07/16 10.03-13.03 13.08-16.08	UKAS & MCERTS	21.8%
A1	Dioxins / furans (WHO-TEQ Fish) <sup>6</sup> ng/m <sup>3</sup>	No limit applies	0.02	BS EN 1948	27/07/16 10.03-13.03 13.08-16.08	UKAS & MCERTS	21.8%
A1	Dioxins / furans (WHO-TEQ Birds) <sup>6</sup> ng/m <sup>3</sup>	No limit applies	0.03	BS EN 1948	27/07/16 10.03-13.03 13.08-16.08	UKAS & MCERTS	21.8%
A1	Anthanthrene ug/m <sup>3</sup>	No limit applies	<0.03	BS ISO 11338	28/07/16 09.22-12.22, 12.27-15.27	UKAS & MCERTS	0.01%
A1	Benzo[a]anthracene ug/m <sup>3</sup>	No limit applies	<0.03	BS ISO 11338	28/07/16 09.22-12.22, 12.27-15.27	UKAS & MCERTS	0.01%
A1	Benzo[b]fluoranthene ug/m <sup>3</sup>	No limit applies	<0.03	BS ISO 11338	28/07/16 09.22-12.22, 12.27-15.27	UKAS & MCERTS	0.01%
A1	Benzo[k]fluoranthene ug/m <sup>3</sup>	No limit applies	<0.03	BS ISO 11338	28/07/16 09.22-12.22, 12.27-15.27	UKAS & MCERTS	0.01%
A1	Benzo[b]naph(2,1-d)thiophene ug/m <sup>3</sup>	No limit applies	<0.03	BS ISO 11338	28/07/16 09.22-12.22, 12.27-15.27	UKAS & MCERTS	0.01%
A1	Benzo[c]phenanthrene ug/m <sup>3</sup>	No limit applies	<0.03	BS ISO 11338	28/07/16 09.22-12.22, 12.27-15.27	UKAS & MCERTS	0.01%
A1	Benzo[ghi]perylene ug/m <sup>3</sup>	No limit applies	<0.03	BS ISO 11338	28/07/16 09.22-12.22, 12.27-15.27	UKAS & MCERTS	0.01%
A1	Benzo[a]pyrene ug/m <sup>3</sup>	No limit applies	<0.03	BS ISO 11338	28/07/16 09.22-12.22, 12.27-15.27	UKAS & MCERTS	0.01%
A1	Cholanthrene ug/m <sup>3</sup>	No limit applies	<0.03	BS ISO 11338	28/07/16 09.22-12.22, 12.27-15.27	UKAS & MCERTS	0.01%

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A1	Chrysene ug/m <sup>3</sup>	No limit applies	<0.03	BS ISO 11338	28/07/16 09.22-12.22, 12.27-15.27	UKAS & MCERTS	0.01%
A1	Cyclopenta(c,d)pyrene ug/m <sup>3</sup>	No limit applies	<0.03	BS ISO 11338	28/07/16 09.22-12.22, 12.27-15.27	UKAS & MCERTS	0.01%
A1	Dibenzo[ah]anthracene ug/m <sup>3</sup>	No limit applies	<0.03	BS ISO 11338	28/07/16 09.22-12.22, 12.27-15.27	UKAS & MCERTS	0.01%
A1	Dibenzo[a,i]pyrene ug/m <sup>3</sup>	No limit applies	<0.03	BS ISO 11338	28/07/16 09.22-12.22, 12.27-15.27	UKAS & MCERTS	0.01%
A1	Fluoranthene ug/m <sup>3</sup>	No limit applies	<0.03	BS ISO 11338	28/07/16 09.22-12.22, 12.27-15.27	UKAS & MCERTS	0.01%
A1	Indo[1,2,3-cd]pyrene ug/m <sup>3</sup>	No limit applies	<0.03	BS ISO 11338	28/07/16 09.22-12.22, 12.27-15.27	UKAS & MCERTS	0.01%
A1	Naphthalene ug/m <sup>3</sup>	No limit applies	0.2	BS ISO 11338	28/07/16 09.22-12.22, 12.27-15.27	UKAS & MCERTS	0.16%

Note 1 The result given is the maximum value (or the minimum value in the case of a limit that is expressed as a minimum) obtained during the reporting period, expressed in the same terms as the emission limit value. Where the emission limit value is expressed as a range, the result is given as the 'minimum – maximum' measured values.

Note 2 Where an internationally recognised standard test method is used the reference number is given. Where another method that has been formally agreed with the Agency is used, then the appropriate identifier is given. In other cases the principal technique is stated, e.g. gas chromatography.

Note 3 For non-continuous measurements the date and time of the sample that produced the result is given. For continuous measurements the percentage of the process operating time covered by the result is given.

Note 4 The accreditation status of the equipment and/or the monitoring organisation, as appropriate, for the methods used for both sampling and analysis.

Note 5 The uncertainty associated with the quoted result at the 95% confidence interval, unless otherwise stated.

Note 6 The result to be reported as a range based on: All congeners less than the detection limit assumed to be zero as a minimum, and all congeners less than the detection limit assumed to be at the detection limit as a maximum

Signed .....V Norris.....  
(Authorised to sign as representative of Tradebe Healthcare National Limited)

Date.....25/07/2017.....