

Permit Reference Number: EPR/MP3239FQ  
 Operator: Tradebe Healthcare National Limited  
 Form Dated 20 October 2011  
 Installation: Wrexham Clinical Waste Incinerator

Variation Reference Number: EPR/MP3239FQ V002  
 Form Number: Agency Form / A1/ AP3538SM/

### Reporting of Emissions to Air for the period from July 2015 to December 2015

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	1.9	BS EN 13284-1	13/08/2015 10:29-10:59, 11:00-11:30	UKAS & MCERTS	+/- 19.4 %
A1	Total Organic Carbon (TOC) mg/m <sup>3</sup>	20 mg/m <sup>3</sup> periodic over minimum 1-hour period	0.58	BS EN 12619	14/08/15 11:00-15:00	UKAS & MCERTS	+/- 133 %
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	352	BS EN 14792	14/08/15 11:00-15:00	UKAS & MCERTS	+/- 4.2 %
A1	Carbon Monoxide mg/m <sup>3</sup>	100 mg/m <sup>3</sup> periodic over minimum 4-hour period	1.0	BS EN 15058	14/08/15 11:00-15:00	UKAS & MCERTS	+/- 193 %
A1	Sulphur Dioxide mg/m <sup>3</sup>	200 mg/m <sup>3</sup> periodic over minimum 4-hour period	12.4	BS EN14791	14/08/15 09:46-13:46	UKAS & MCERTS	+/- 10.7 %
A1	Hydrogen chloride mg/m <sup>3</sup>	30 mg/m <sup>3</sup> periodic over minimum 1-hour period	11.8	BS EN 1911	13/08/2015 10:29-10:59, 11:00-11:30	UKAS & MCERTS	+/- 10.5 %
A1	Hydrogen fluoride mg/m <sup>3</sup>	2 mg/m <sup>3</sup> periodic over minimum 1-hour period	0.36	BS ISO 15713	17/08/15 11:23-12:23	UKAS & MCERTS	+/- 10.2 %
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	<0.001	BS EN 14385	13/08/2015 11:43-12:13, 12:14-12:44	UKAS & MCERTS	+/- 17.5 %
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	0.002	BS EN 13211	13/08/2015 11:43-12:13, 12:14-12:44	UKAS & MCERTS	+/- 15.1 %
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	0.37	BS EN 14385	13/08/2015 11:43-12:13, 12:14-12:44	UKAS & MCERTS	+/- 16.7 %
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	0.016	BS EN 1948	17/08/2015 09:39-12:39, 12:40-15:40	UKAS & MCERTS	+/- 21.8 %

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A1	Dioxin-like PCBs (WHO-TEQ Humans / Mammals) <sup>6</sup> ng/m <sup>3</sup>	No limit applies	0.0033	BS EN 1948	17/08/2015 09:39-12:39, 12:40-15:40	UKAS & MCERTS	+/- 21.8 %
A1	Dioxin-like PCBs (WHO-TEQ Fish) <sup>6</sup> ng/m <sup>3</sup>	No limit applies	0.0001	BS EN 1948	17/08/2015 09:39-12:39, 12:40-15:40	UKAS & MCERTS	+/- 21.8 %
A1	Dioxin-like PCBs (WHO-TEQ Birds) <sup>6</sup> ng/m <sup>3</sup>	No limit applies	0.0078	BS EN 1948	17/08/2015 09:39-12:39, 12:40-15:40	UKAS & MCERTS	+/- 21.8 %
A1	poly-cyclic aromatic hydrocarbons (PAHs) ug/m <sup>3</sup>	No limit applies	8.9	BS ISO 11338	14/08/2015 09:32-12:23, 12:34-15:24	UKAS & MCERTS	+/- 21.9 %
A1	Dioxins / furans (WHO-TEQ Humans / Mammals) <sup>6</sup> ng/m <sup>3</sup>	No limit applies	0.014	BS EN 1948	17/08/2015 09:39-12:39, 12:40-15:40	UKAS & MCERTS	+/- 21.8 %
A1	Dioxins / furans (WHO-TEQ Fish) <sup>6</sup> ng/m <sup>3</sup>	No limit applies	0.016	BS EN 1948	17/08/2015 09:39-12:39, 12:40-15:40	UKAS & MCERTS	+/- 21.8 %
A1	Dioxins / furans (WHO-TEQ Birds) <sup>6</sup> ng/m <sup>3</sup>	No limit applies	0.025	BS EN 1948	17/08/2015 09:39-12:39, 12:40-15:40	UKAS & MCERTS	+/- 21.8 %
A1	Anthanthrene ug/m <sup>3</sup>	No limit applies	<0.02	BS ISO 11338	17/08/2015 09:39-12:39, 12:40-15:40	UKAS & MCERTS	+/- 21.9 %
A1	Benzo[a]anthracene ug/m <sup>3</sup>	No limit applies	<0.02	BS ISO 11338	17/08/2015 09:39-12:39, 12:40-15:40	UKAS & MCERTS	+/- 21.9 %
A1	Benzo[b]fluoranthene ug/m <sup>3</sup>	No limit applies	0.07	BS ISO 11338	17/08/2015 09:39-12:39, 12:40-15:40	UKAS & MCERTS	+/- 21.9 %
A1	Benzo[k]fluoranthene ug/m <sup>3</sup>	No limit applies	0.05	BS ISO 11338	17/08/2015 09:39-12:39, 12:40-15:40	UKAS & MCERTS	+/- 21.9 %
A1	Benzo[b]naph(2,1-d)thiophene ug/m <sup>3</sup>	No limit applies	<0.02	BS ISO 11338	17/08/2015 09:39-12:39, 12:40-15:40	UKAS & MCERTS	+/- 21.9 %
A1	Benzo[c]phenanthrene ug/m <sup>3</sup>	No limit applies	<0.02	BS ISO 11338	17/08/2015 09:39-12:39, 12:40-15:40	UKAS & MCERTS	+/- 21.9 %
A1	Benzo[ghi]perylene ug/m <sup>3</sup>	No limit applies	<0.02	BS ISO 11338	17/08/2015 09:39-12:39, 12:40-15:40	UKAS & MCERTS	+/- 21.9 %
A1	Benzo[a]pyrene ug/m <sup>3</sup>	No limit applies	<0.02	BS ISO 11338	17/08/2015 09:39-12:39, 12:40-15:40	UKAS & MCERTS	+/- 21.9 %

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A1	Cholanthrene ug/m <sup>3</sup>	No limit applies	<0.02	BS ISO 11338	17/08/2015 09:39-12:39, 12:40-15:40	UKAS & MCERTS	+/- 21.9 %
A1	Chrysene ug/m <sup>3</sup>	No limit applies	<0.02	BS ISO 11338	17/08/2015 09:39-12:39, 12:40-15:40	UKAS & MCERTS	+/- 21.9 %
A1	Cyclopenta(c,d)pyrene ug/m <sup>3</sup>	No limit applies	<0.02	BS ISO 11338	17/08/2015 09:39-12:39, 12:40-15:40	UKAS & MCERTS	+/- 21.9 %
A1	Dibenzo[ah]anthracene ug/m <sup>3</sup>	No limit applies	<0.02	BS ISO 11338	17/08/2015 09:39-12:39, 12:40-15:40	UKAS & MCERTS	+/- 21.9 %
A1	Dibenzo[a,i]pyrene ug/m <sup>3</sup>	No limit applies	<0.02	BS ISO 11338	17/08/2015 09:39-12:39, 12:40-15:40	UKAS & MCERTS	+/- 21.9 %
A1	Fluoranthene ug/m <sup>3</sup>	No limit applies	0.12	BS ISO 11338	17/08/2015 09:39-12:39, 12:40-15:40	UKAS & MCERTS	+/- 21.9 %
A1	Indo[1,2,3-cd]pyrene ug/m <sup>3</sup>	No limit applies	<0.02	BS ISO 11338	17/08/2015 09:39-12:39, 12:40-15:40	UKAS & MCERTS	+/- 21.9 %
A1	Naphthalene ug/m <sup>3</sup>	No limit applies	8.4	BS ISO 11338	17/08/2015 09:39-12:39, 12:40-15:40	UKAS & MCERTS	+/- 21.9 %

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 ...Toby Hudson  
(Authorised to sign as representative of Tradebe Healthcare National Limited)

Date...29/1/16