

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 January 2020 to June 2020

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	2.8	BS EN 13284-1	25/02/20 13:08 – 13:38 13:39 – 14:09	UKAS & MCERTS	10.0%
A1	Total Organic Carbon (TOC) mg/m <sup>3</sup>	20 mg/m <sup>3</sup> periodic over minimum 1-hour period	1.3	BS EN 12619	27/02/20 07:00 -08:00	UKAS & MCERTS	15.2%
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	385	BS EN 14792	27/02/20 04:42 – 08:42	UKAS & MCERTS	10.3%
A1	Carbon Monoxide mg/m <sup>3</sup>	100 mg/m <sup>3</sup> periodic over minimum 4-hour period	1.7	BS EN 15058	27/02/20 04:42 – 08:42	UKAS & MCERTS	6.4%
A1	Sulphur Dioxide mg/m <sup>3</sup>	200 mg/m <sup>3</sup> periodic over minimum 4-hour period	8.5	BS EN14791	27/02/20 10:30-14:30	UKAS & MCERTS	10.9%
A1	Hydrogen chloride mg/m <sup>3</sup>	30 mg/m <sup>3</sup> periodic over minimum 1-hour period	26.7	BS EN 1911	25/02/20 13:08 – 13:38 13:39 – 14:09	UKAS & MCERTS	11.4%
A1	Hydrogen fluoride mg/m <sup>3</sup>	2 mg/m <sup>3</sup> periodic over minimum 1-hour period	<0.07	BS ISO 15713	26/02/20 13:09 – 14:09	UKAS & MCERTS	11.0%
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	<0.002	BS EN 14385	25/02/20 10:59-11:29 11:30-12:00	UKAS & MCERTS	18.5%
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	0.107	BS EN 13211	25/02/20 10:59-11:29 11:30-12:00	UKAS & MCERTS	25.1%
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	0.031	BS EN 14385	25/02/20 10:59-11:29 11:30-12:00	UKAS & MCERTS	21.8%
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	0.0067	BS EN 1948	27/02/20 09:35-11:05 11:14-12:44, 12:48-15:48	UKAS & MCERTS	22.0%

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A1	Dioxin-like PCBs (WHO-TEQ Humans / Mammals) <sup>6</sup> ng/m <sup>3</sup>	No limit applies	0.0053	BS EN 1948	27/02/20 09:35-11:05 11:14-12:44, 12:48-15:48	UKAS & MCERTS	22%
A1	Dioxin-like PCBs (WHO-TEQ Fish) <sup>6</sup> ng/m <sup>3</sup>	No limit applies	0.000027	BS EN 1948	27/02/20 09:35-11:05 11:14-12:44, 12:48-15:48	UKAS & MCERTS	22%
A1	Dioxin-like PCBs (WHO-TEQ Birds) <sup>6</sup> ng/m <sup>3</sup>	No limit applies	0.0013	BS EN 1948	27/02/20 09:35-11:05 11:14-12:44, 12:48-15:48	UKAS & MCERTS	22%
A1	poly-cyclic aromatic hydrocarbons (PAHs) ug/m <sup>3</sup>	No limit applies	0.30	BS ISO 11338	27/02/20 09:35-11:05 11:14-12:44, 12:48-15:48	UKAS & MCERTS	22.5%
A1	Dioxins / furans (WHO-TEQ Humans / Mammals) <sup>6</sup> ng/m <sup>3</sup>	No limit applies	0.0058	BS EN 1948	27/02/20 09:35-11:05 11:14-12:44, 12:48-15:48	UKAS & MCERTS	22.0%
A1	Dioxins / furans (WHO-TEQ Fish) <sup>6</sup> ng/m <sup>3</sup>	No limit applies	0.0067	BS EN 1948	27/02/20 09:35-11:05 11:14-12:44, 12:48-15:48	UKAS & MCERTS	22.0%
A1	Dioxins / furans (WHO-TEQ Birds) <sup>6</sup> ng/m <sup>3</sup>	No limit applies	0.0109	BS EN 1948	27/02/20 09:35-11:05 11:14-12:44, 12:48-15:48	UKAS & MCERTS	22.0%
A1	Anthanthrene ug/m <sup>3</sup>	No limit applies	<0.0014	BS ISO 11338	26/02/20 09:02-12:02 12:09-15:09	UKAS & MCERTS	22.0%
A1	Benzo{a}anthracene ug/m <sup>3</sup>	No limit applies	0.0017	BS ISO 11338	26/02/20 09:02-12:02 12:09-15:09	UKAS & MCERTS	22.0%
A1	Benzo[b]fluoranthene ug/m <sup>3</sup>	No limit applies	<0.0017	BS ISO 11338	26/02/20 09:02-12:02 12:09-15:09	UKAS & MCERTS	22.0%
A1	Benzo[k]fluoranthene ug/m <sup>3</sup>	No limit applies	<0.0014	BS ISO 11338	26/02/20 09:02-12:02 12:09-15:09	UKAS & MCERTS	22.0%

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A1	Benzo[b]naph(2,1-d)thiophene ug/m <sup>3</sup>	No limit applies	0.0017	BS ISO 11338	26/02/20 09:02-12:02 12:09-15:09	UKAS & MCERTS	22.0%
A1	Benzo[c]phenanthrene ug/m <sup>3</sup>	No limit applies	0.0017	BS ISO 11338	26/02/20 09:02-12:02 12:09-15:09	UKAS & MCERTS	22.0%
A1	Benzo[ghi]perylene ug/m <sup>3</sup>	No limit applies	<0.0014	BS ISO 11338	26/02/20 09:02-12:02 12:09-15:09	UKAS & MCERTS	22.0%
A1	Benzo[a]pyrene ug/m <sup>3</sup>	No limit applies	<0.0014	BS ISO 11338	26/02/20 09:02-12:02 12:09-15:09	UKAS & MCERTS	22.0%
A1	Cholanthrene ug/m <sup>3</sup>	No limit applies	<0.0014	BS ISO 11338	26/02/20 09:02-12:02 12:09-15:09	UKAS & MCERTS	22.0%
A1	Chrysene ug/m <sup>3</sup>	No limit applies	0.0049	BS ISO 11338	26/02/20 09:02-12:02 12:09-15:09	UKAS & MCERTS	22.0%
A1	Cyclopenta(c,d)pyrene ug/m <sup>3</sup>	No limit applies	0.0017	BS ISO 11338	26/02/20 09:02-12:02 12:09-15:09	UKAS & MCERTS	22.0%
A1	Dibenzo[ah]anthracene ug/m <sup>3</sup>	No limit applies	<0.0014	BS ISO 11338	26/02/20 09:02-12:02 12:09-15:09	UKAS & MCERTS	22.0%
A1	Dibenzo[a,i]pyrene ug/m <sup>3</sup>	No limit applies	<0.0014	BS ISO 11338	26/02/20 09:02-12:02 12:09-15:09	UKAS & MCERTS	22.0%
A1	Fluoranthene ug/m <sup>3</sup>	No limit applies	0.0273	BS ISO 11338	26/02/20 09:02-12:02 12:09-15:09	UKAS & MCERTS	22.0%
A1	Indo[1,2,3-cd]pyrene ug/m <sup>3</sup>	No limit applies	<0.0014	BS ISO 11338	26/02/20 09:02-12:02 12:09-15:09	UKAS & MCERTS	22.0%
A1	Naphthalene ug/m <sup>3</sup>	No limit applies	0.2511	BS ISO 11338	26/02/20 09:02-12:02 12:09-15:09	UKAS & MCERTS	22.0%

- 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 C Norris.....  
(Authorised to sign as representative of Tradebe Healthcare National Limited)

Date.....09/04/2020.....