

Permit Number: EPR/BL3986ID

Operator: Tarmac Cement & Lime Ltd

Installation: Aberthaw Works

Form number: Air 1 / 31 August 2010

Reporting of Emissions to Air from Emission Point A1 for the six-month period from Jan to June 2021

Substance/ Parameter	Emission Limit Value			Test Method ^[2]			Accreditation/ Certification ^[4]	
Hydrogen fluoride	1 mg/m3 over minimum 1 hour period	0.45	mg/m3	BS ISO 15713	7.5.2021	15:01 - 16:23	UKAS & MCERTS	
Cadmium & thallium and their compounds (total)	0.05mg/m3 over minimum 30 minute, maximum 8 hour period	0.013	mg/m3	BS EN 14385	24.3.21	09:00 - 10:04		
Mercury and its compounds	0.05mg/m3 over minimum 30 minute, maximum 8 hour period	0.02	mg/m3	MID 14385	24.3.21	09:00 - 10:04		
Sb, As, Pb, Cr, Co, Cu, Mn, Ni and V and their compounds (total)	0.5mg/m3 over minimum 30 minute, maximum 8 hour period	0.063	mg/m3	BS EN 14385	24.3.21	09:00 - 10:04		
Dioxins/furans (I-TEQ)[6]	0.1ng/m3 over minimum 6 hour, maximum 8 hour period	0.0036	ng/m3	BS EN 1948	23.3.21	09:00 - 15:04		
Dioxins/furans (WHO-TEQ Humans/Mammals)[6]	No limit applies	0.0035	ng/m3		23.3.21			
Dioxins/furans (WHO-TEQ Fish)[6]		0.0036	ng/m3		23.3.21			
Dioxins/furans (WHO-TEQ Birds)[6]		0.0076	ng/m3		23.3.21			
Dioxin-like PCBs (WHO-TEQ Humans/Mammals)[6]	No limit applies	0.000264	ng/m3	BS EN 1948	23.3.21			
Dioxin-like PCBs (WHO-TEQ Fish)[6]		0.000016	ng/m3		23.3.21			
Dioxin-like PCBs (WHO-TEQ Birds)[6]		0.001793	ng/m3		23.3.21			
Poly-cyclic aromatic hydrocarbons (PAHs) Total	No limit applies	160.30	ug/m3	BS ISO 11338	24.3.21	10:20 - 12:24		UKAS & MCERTS
Anthanthrene		<0.003	ug/m3		24.3.21			
Benzo(a)anthracene		<0.003	ug/m3		24.3.21			
Benzo(b)fluoranthene		<0.003	ug/m3		24.3.21			
Benzo(k)fluoranthene		<0.003	ug/m3		24.3.21			
Benzo(b)naph(2,1-d)thiophene		<0.003	ug/m3		24.3.21			
Benzo(c)phenanthrene		<0.003	ug/m3		24.3.21			
Benzo(ghi)perylene		<0.003	ug/m3		24.3.21			
Benzo(a)pyrene		<0.003	ug/m3		24.3.21			
Cholanthrene		<0.003	ug/m3		24.3.21			
Chrysene		<0.003	ug/m3		24.3.21			
Cyclopenta(c,d)pyrene		<0.003	ug/m3		24.3.21			
Dibenzo(ah)anthracene		<0.003	ug/m3		24.3.21			
Dibenzo(ai)pyrene		<0.003	ug/m3		24.3.21			
Fluoranthrene		0.1110	ug/m3		24.3.21			
Indeo(123-cd)pyrene		<0.003	ug/m3		24.3.21			
Naphthalene		160.116	ug/m3		24.3.21			

[1] The result given is the maximum value (or 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.

[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.

[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.

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

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

[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: Georgina Taubman
(authorised to sign as representative of Tarmac Cement and Lime Ltd)

Date: 23.7.2021