

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 January to June 2022

Substance/ Parameter	Emission Limit Value	Result ^[1]		Test Method ^[2]	Sampling date and times			Accreditation/ Certification ^[4]	
Hydrogen fluoride	1 mg/m3 over minimum 1 hour period	<0.06	mg/m3	BS ISO 15713	25.05.2022	11:57:00	12:57:00	UKAS & MCERTS	
Cadmium & thallium and their compounds (total)	0.05mg/m3 over minimum 30 minute, maximum 8 hour period	0.0032	mg/m3	BS EN 14385	26.05.2022	10:10:00	11:14:00		
Mercury and its compounds	0.05mg/m3 over minimum 30 minute, maximum 8 hour period	0.006	mg/m3	MID 14385	26.05.2022	10:10:00	11:14:00		
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	0.043	mg/m3	BS EN 14385	26.05.2022	10:10:00	11:14:00		
Dioxins/furans (I-TEQ)[6]	No limit applies	0.1ng/m3 over minimum 6 hour, maximum 8 hour period	0.0203	ng/m3	BS EN 1948	25.05.2022	08:00:00		14:06:00
Dioxins/furans (WHO-TEQ Humans/Mammals)[6]		0.0196	ng/m3						
Dioxins/furans (WHO-TEQ Fish)[6]		0.0208	ng/m3						
Dioxins/furans (WHO-TEQ Birds)[6]		0.0411	ng/m3						
Dioxin-like PCBs (WHO-TEQ Humans/Mammals)[6]	No limit applies	0.000838	ng/m3	BS EN 1948					
Dioxin-like PCBs (WHO-TEQ Fish)[6]		0.000052	ng/m3						
Dioxin-like PCBs (WHO-TEQ Birds)[6]		0.005207	ng/m3						
Poly-cyclic aromatic hydrocarbons (PAHs) Total	No limit applies	210.40	ug/m3	BS ISO 11338	26.05.2022	07:53:00	09:57:00	UKAS & MCERTS	
Anthanthrene		<0.0042	ug/m3						
Benzo(a)anthracene		<0.0042	ug/m3						
Benzo(b)fluoranthene		0.0097	ug/m3						
Benzo(k)fluoranthene		<0.0042	ug/m3						
Benzo(b)naph(2,1-d)thiophene		<0.0042	ug/m3						
Benzo(c)phenanthrene		<0.0042	ug/m3						
Benzo(ghi)perylene		<0.0042	ug/m3						
Benzo(a)pyrene		<0.0042	ug/m3						
Cholanthrene		<0.0042	ug/m3						
Chrysene		0.0109	ug/m3						
Cyclopenta(c,d)pyrene		<0.0042	ug/m3						
Dibenzo(ah)anthracene		<0.0042	ug/m3						
Dibenzo(ai)pyrene		<0.0042	ug/m3						
Fluoranthrene		0.2999	ug/m3						
Indeo(123-cd)pyrene		<0.0042	ug/m3						
Naphthalene		210.0	ug/m3						

[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: Daniel Bound
(authorised to sign as representative of Tarmac Cement and Lime Ltd)

Date: 28.07.2022