

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 July to December 2024

Substance/ Parameter	Emission Limit Value	Result ^[1]		Test Method ^[2]	Sampling date and times			Accreditation/ Certification ^[4]	Uncertainty ^[5]	
									±mg/m3	
Hydrogen fluoride	1 mg/m3 over minimum 1 hour period	0.065	mg/m3	CEN/TS 17340	22.10.2024	09:35:00	10:35:00	UKAS & MCERTS	0.01	
Cadmium & thallium and their compounds (total)	0.05mg/m3 over minimum 30 minute, maximum 8 hour period	0.0015	mg/m3	BS EN 14385	23.10.2024	08:40:00	09:47:00		0.00025	
Mercury and its compounds	0.05mg/m3 over minimum 30 minute, maximum 8 hour period	0.0021	mg/m3	BS EN 13211	23.10.2024	09:52:00	10:59:00		0.00051	
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	0.0086	mg/m3	BS EN 14385	23.10.2024	08:40:00	09:47:00		0.0018	
Dioxins/furans (I-TEQ)[6]	0.1ng/m3 over minimum 6 hour, maximum 8 hour period	0.025	ng/m3	BS EN 1948	22.10.2024	08:55:00	14:58:00		0.0054	
Dioxins/furans (WHO-TEQ Humans/Mammals)[6]	No limit applies	0.028	ng/m3						0.0061	
Dioxins/furans (WHO-TEQ Fish)[6]		0.03	ng/m3						0.0065	
Dioxins/furans (WHO-TEQ Birds)[6]		0.048	ng/m3						0.01	
Dioxin-like PCBs (WHO-TEQ Humans/Mammals)[6]	No limit applies	0.002502	ng/m3	BS EN 1948					0.000511	
Dioxin-like PCBs (WHO-TEQ Fish)[6]		0.000125	ng/m3						0.000027	
Dioxin-like PCBs (WHO-TEQ Birds)[6]		0.007396	ng/m3						0.001571	
Poly-cyclic aromatic hydrocarbons (PAHs) Total	No limit applies	<0.44	ug/m3	BS ISO 11338	23.10.2024	12:10:00	14:13:00		UKAS & MCERTS	0.093
Anthanthrene		<0.0076	ug/m3							0.0016
Benzo(a)anthracene		<0.0076	ug/m3							0.0016
Benzo(b)fluoranthene		<0.0076	ug/m3					0.0016		
Benzo(k)fluoranthene		<0.0076	ug/m3					0.0016		
Benzo(b)naph(2,1-d)thiophene		<0.0076	ug/m3					0.0016		
Benzo(c)phenanthrene		<0.0076	ug/m3					0.0016		
Benzo(ghi)perylene		<0.0076	ug/m3					0.0016		
Benzo(a)pyrene		<0.0076	ug/m3					0.0016		
Cholanthrene		<0.0076	ug/m3					0.0016		
Chrysene		0.008	ug/m3					0.0017		
Cyclopenta(c,d)pyrene		<0.0076	ug/m3					0.0016		
Dibenzo(ah)anthracene		<0.0076	ug/m3					0.0016		
Dibenzo(ai)pyrene		<0.0076	ug/m3					0.0016		
Fluoranthene		0.1400	ug/m3					0.03		
Indeo(123-cd)pyrene		<0.0076	ug/m3					0.0016		
Naphthalene		0.2	ug/m3					0.041		

[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: [Redacted]
(authorised to sign as representative of Tarmac Cement and Lime Ltd)

Date: 17.01.2025