

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 2023

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	<0.047	mg/m3	CEN/TS 17340	24.10.2023	12:50:00	13:50:00	UKAS & MCERTS	0.01
Cadmium & thallium and their compounds (total)	0.05mg/m3 over minimum 30 minute, maximum 8 hour period	0.0014	mg/m3	BS EN 14385	24.10.2023	15:25:00	16:27:00		0.0002
Mercury and its compounds	0.05mg/m3 over minimum 30 minute, maximum 8 hour period	0.00054	mg/m3	BS EN 13211	24.10.2023	10:56:00	11:58:00		0.00006
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	0.013	mg/m3	BS EN 14385	24.10.2023	15:25:00	16:27:00		0.002
Dioxins/furans (I-TEQ)[6]	0.1ng/m3 over minimum 6 hour, maximum 8 hour period	0.0031	ng/m3	BS EN 1948	24.10.2023	08:45:00	15:23:00		0.0009
Dioxins/furans (WHO-TEQ Humans/Mammals)[6]	No limit applies	0.002	ng/m3						0.0008
Dioxins/furans (WHO-TEQ Fish)[6]		0.0031	ng/m3						0.0004
Dioxins/furans (WHO-TEQ Birds)[6]		0.0064	ng/m3						0.0007
Dioxin-like PCBs (WHO-TEQ Humans/Mammals)[6]	No limit applies	0.000200	ng/m3	BS EN 1948			0.00004		
Dioxin-like PCBs (WHO-TEQ Fish)[6]		0.000012	ng/m3				0.000003		
Dioxin-like PCBs (WHO-TEQ Birds)[6]		0.0014	ng/m3				0.0003		
Poly-cyclic aromatic hydrocarbons (PAHs) Total	No limit applies	103.00	ug/m3	BS ISO 11338	25.10.2023	08:45:00	10:47:00	UKAS & MCERTS	21.7
Anthanthrene		0.12	ug/m3						0.03
Benzo(a)anthracene		<0.0067	ug/m3						0.0014
Benzo(b)fluoranthene		<0.0067	ug/m3						0.0014
Benzo(k)fluoranthene		<0.0067	ug/m3						0.0014
Benzo(b)naph(2,1-d)thiophene		<0.0067	ug/m3						0.0014
Benzo(c)phenanthrene		<0.0067	ug/m3						0.0014
Benzo(ghi)perylene		<0.0067	ug/m3						0.0014
Benzo(a)pyrene		<0.0067	ug/m3						0.0014
Cholanthrene		<0.0067	ug/m3						0.0014
Chrysene		0.0087	ug/m3						0.0018
Cyclopenta(c,d)pyrene		<0.0067	ug/m3						0.0014
Dibenzo(ah)anthracene		<0.0067	ug/m3						0.0014
Dibenzo(ai)pyrene		<0.0067	ug/m3						0.0014
Fluoranthene		0.1800	ug/m3						0.04
Indeo(123-cd)pyrene		<0.0067	ug/m3						0.0014
Naphthalene		102.0	ug/m3						21.6

[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: XXXXXXXXXX
(authorised to sign as representative of Tarmac Cememt and Lime Ltd)

Date: 12.01.2024