

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 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	0.21	mg/m3	CEN/TS 17340	15.05.2024	10:30:00	11:30:00	UKAS & MCERTS	0.03
Cadmium & thallium and their compounds (total)	0.05mg/m3 over minimum 30 minute, maximum 8 hour period	0.0052	mg/m3	BS EN 14385	16.05.2024	09:42:00	10:44:00		0.0009
Mercury and its compounds	0.05mg/m3 over minimum 30 minute, maximum 8 hour period	0.0027	mg/m3	BS EN 13211	16.05.2024	11:58:00	13:00:00		0.0006
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	16.05.2024	09:42:00	10:44:00		0.0068
Dioxins/furans (I-TEQ)[6]	0.1ng/m3 over minimum 6 hour, maximum 8 hour period	0.01	ng/m3	BS EN 1948	17.05.2024	07:30:00	13:32:00		0.0021
Dioxins/furans (WHO-TEQ Humans/Mammals)[6]	No limit applies	0.0091	ng/m3						0.0019
Dioxins/furans (WHO-TEQ Fish)[6]		0.0095	ng/m3						0.002
Dioxins/furans (WHO-TEQ Birds)[6]		0.0189	ng/m3						0.004
Dioxin-like PCBs (WHO-TEQ Humans/Mammals)[6]	No limit applies	0.000580	ng/m3	BS EN 1948					0.00012
Dioxin-like PCBs (WHO-TEQ Fish)[6]		0.000034	ng/m3						0.000007
Dioxin-like PCBs (WHO-TEQ Birds)[6]		0.0034	ng/m3					0.00072	
Poly-cyclic aromatic hydrocarbons (PAHs) Total		147.00	ug/m3	BS ISO 11338	14.05.2024	12:25:00	14:27:00	UKAS & MCERTS	31
Anthanthrene		<0.007	ug/m3						0.0002
Benzo(a)anthracene		<0.007	ug/m3						0.0002
Benzo(b)fluoranthene		<0.007	ug/m3						0.0002
Benzo(k)fluoranthene		<0.007	ug/m3						0.0002
Benzo(b)naph(2,1-d)thiophene		<0.007	ug/m3						0.0002
Benzo(c)phenanthrene		<0.007	ug/m3						0.0002
Benzo(ghi)perylene		<0.007	ug/m3						0.0002
Benzo(a)pyrene		<0.007	ug/m3						0.0002
Chrysenene		<0.007	ug/m3						0.0002
Chrysene		0.008	ug/m3						0.0002
Cyclopenta(c,d)pyrene		<0.007	ug/m3						0.0002
Dibenzo(ah)anthracene		<0.007	ug/m3						0.0002
Dibenzo(ai)pyrene		<0.007	ug/m3						0.0002
Fluoranthene		0.3400	ug/m3						0.01
Indeo(123-cd)pyrene		<0.01	ug/m3						0.0002
Naphthalene		146.5	ug/m3						4.5

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

Date: 16.07.2024

Permit Reference Number: BL3986ID

Operator: Aberthaw Cement & Lime Ltd

Installation: Aberthaw Works

Form Number: Air 11 / 19/07/2016

**Six-monthly Reporting of Particulate Emissions to Air from Emission Points A4, A5, A6 & A11
for the period from 01/01/24 to 30/06/24**

Emission Point	Parameter	Emission Limit Value (mg/Nm ³)	Result (mg/Nm ³) 1 st Six months	Result (mg/Nm ³) 2 nd Six months	Test Method	Sample Date & Times	Uncertainty
A4	Particulate Matter	10	2.46		BS EN 13284-1	25.3.2024 12:21 – 13:23	1.84
A5	Particulate Matter	10	-		BS EN 13284-1	-	-
A6	Particulate Matter	10	-		BS EN 13284-1	-	-
A11	Particulate Matter	10	-		BS EN 13284-1	-	-

Signed: XXXXXXXXXX Date 16/07/2024
(Authorised to sign as representative of Tarmac Cement & Lime Ltd)