

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 2020

Substance/ Parameter	Emission Limit Value	Result ^[1]		Test Method ^[2]	Sample Date and Times ^[3]			Accreditation/ Certification ^[4]	Uncertainty ^[5] ±mg/m3
Hydrogen fluoride	1 mg/m3 over minimum 1 hour period	<0.05	mg/m3	BS ISO 15713	25/06/2020	13:00:00	14:00:00	UKAS & MCERTS	0.005
Cadmium & thallium and their compounds (total)	0.05mg/m3 over minimum 30 minute, maximum 8 hour period	0.009	mg/m3	BS EN 14385	25/06/2020	08:50:00	09:53:00		0.0016
Mercury and its compounds	0.05mg/m3 over minimum 30 minute, maximum 8 hour period	0.005	mg/m3	MID 14385	25/06/2020	08:50:00	09:53:00		0.0008
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	0.102	mg/m3	BS EN 14385	25/06/2020	08:50:00	09:53:00		0.0175
Dioxins/furans (I-TEQ)[6]	0.1ng/m3 over minimum 6 hour, maximum 8 hour period	0.0011	ng/m3	BS EN 1948	24/06/2020	08:40:00	0.0002		
Dioxins/furans (WHO-TEQ Humans/Mammals)[6]	No limit applies	0.0011	ng/m3		24/06/2020		0.0002		
Dioxins/furans (WHO-TEQ Fish)[6]		0.0009	ng/m3		24/06/2020		0.0002		
Dioxins/furans (WHO-TEQ Birds)[6]		0.0055	ng/m3		24/06/2020		0.0013		
Dioxin-like PCBs (WHO-TEQ Humans/Mammals)[6]	No limit applies	0.00017	ng/m3	BS EN 1948	24/06/2020	0.000039			
Dioxin-like PCBs (WHO-TEQ Fish)[6]		0.000014	ng/m3		24/06/2020	0.000003			
Dioxin-like PCBs (WHO-TEQ Birds)[6]		0.001966	ng/m3		24/06/2020	0.000456			
Poly-cyclic aromatic hydrocarbons (PAHs) Total	No limit applies	10.21	ug/m3	BS ISO 11338	25/06/2020	10:00:00	00:43:12	UKAS & MCERTS	2.4
Anthanthrene		<0.0027	ug/m3		25/06/2020				0.0001
Benzo(a)anthracene		0.01	ug/m3		25/06/2020				0.0002
Benzo(b)fluoranthene		<0.0027	ug/m3		25/06/2020				0.0001
Benzo(k)fluoranthene		<0.0027	ug/m3		25/06/2020				0.0001
Benzo(b)naph(2,1-d)thiophene		0.03	ug/m3		25/06/2020				0.0012
Benzo(c)phenanthrene		<0.0027	ug/m3		25/06/2020				0.0001
Benzo(ghi)perylene		<0.0027	ug/m3		25/06/2020				0.0001
Benzo(a)pyrene		<0.0027	ug/m3		25/06/2020				0.0001
Cholanthrene		<0.0027	ug/m3		25/06/2020				0.0001
Chrysene		0.01	ug/m3		25/06/2020				0.0003
Cyclopenta(c,d)pyrene		<0.0027	ug/m3		25/06/2020				0.0001
Dibenzo(ah)anthracene		<0.0027	ug/m3		25/06/2020				0.0001
Dibenzo(ai)pyrene		<0.0027	ug/m3		25/06/2020				0.0001
Fluoranthrene		0.3036	ug/m3		25/06/2020				0.0116
Indeo(123-cd)pyrene		<0.0027	ug/m3		25/06/2020				0.0001
Naphthalene		9.83	ug/m3		25/06/2020				0.3756

[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: 28.7.2020