

Permit Number: **EPR/BL1096IB**

Operator: **Castle Cement Limited**

Installation: **Padeswood Cement Works**

Form Number: **Air 1**

Date: **16/01/2018**

Six-monthly Reporting of Emissions to Air from Emission Point A8 for the period from

1 July 2017 to 31 December 2017

Substance / Parameter	Emission Limit Level	Result ⁽¹⁾		Test Method ⁽²⁾	Sample Date & Times ⁽³⁾	Accreditation/ Certification ⁽⁴⁾	Uncertainty ⁽⁵⁾
		First 6 Months	Second 6 Months				
Hydrogen Fluoride	1mg/Nm ³ over minimum 1 hour period		<0.14 mg/Nm ³	ISO 15713	05/09/2017 08:40 – 12:03	MCERTS	40%
Cadmium & thallium and their compounds (total)	0.05mg/Nm ³ over minimum 30 min, max 8 hr period		0.0020 mg/Nm ³	EN 14385	06/09/2017 10:00 – 15:45	MCERTS	16%
Mercury and its compounds	0.05mg/Nm ³ over minimum 30 min, max 8 hr period		0.022 mg/Nm ³	EN 13211	06/09/2017 10:00 – 15:45	MCERTS	16%
Sb, As, Pb, Cr, Co, Cu, Mn, Ni, and V and their compounds (total)	0.5mg/Nm ³ over minimum 30 min, max 8 hr period		0.012 mg/Nm ³	EN 14385	06/09/2017 10:00 – 15:45	MCERTS	40%
Dioxins / Furans (I-TEQ) ⁶	0.1ng/Nm ³ over minimum 6hr, max 8 hr period		0.013 ng/Nm ³	EN 1948	05/09/2017 08:37 – 17:15	MCERTS	13%
Dioxins / Furans (WHO – TEQ Humans/ Mammals) ⁶	No Limit		0.013 ng/Nm ³	EN 1948	05/09/2017 08:37 – 17:15	MCERTS	13%
Dioxins / Furans (WHO – TEQ Fish) ⁶	No Limit		0.014 ng/Nm ³	EN 1948	05/09/2017 08:37 – 17:15	MCERTS	13%
Dioxins / Furans (WHO – TEQ Birds) ⁶	No Limit		0.031 ng/Nm ³	EN 1948	05/09/2017 08:37 – 17:15	MCERTS	13%

1. The result given is the maximum value (or the minimum value in the case of a limit that is expressed as a minimum) obtained during the reported period, expressed in the same terms as the emission limit value. Where the emission limit is expressed as a range, the result 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.

SignedRobert Keough.....
(Authorised to sign as representative of Castle Cement Limited)

Date.....19/01/2018.....