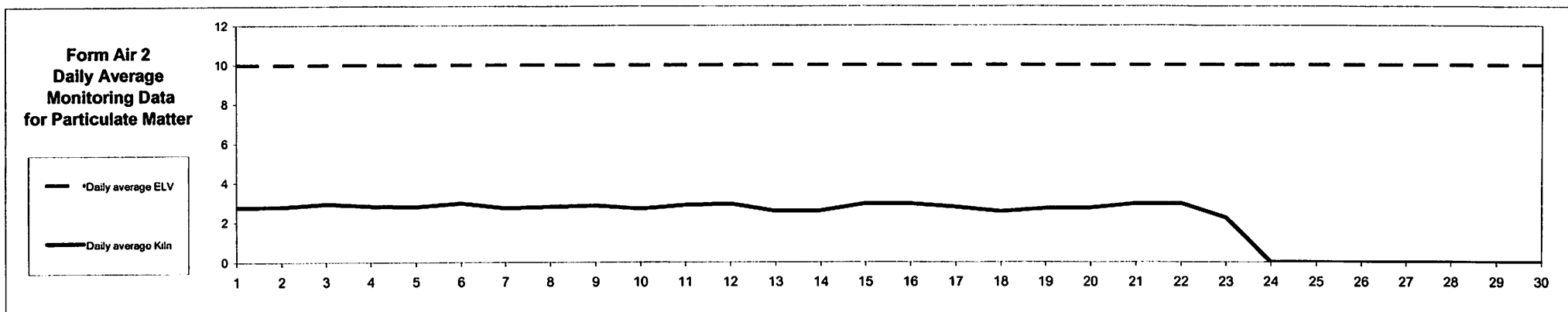


Permit Reference Number: BL3986ID

Operator: Tarmac Cement & Lime Ltd
Jun-18

Installation: Aberthaw Works

Kiln Report of Continuous Monitored Emissions (Emission Point A1)



Kiln		Monthly summary		Date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Daily average				Daily average ELV	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
	Monthly maximum	3		Daily average Kiln	2.77	2.79	2.94	2.83	2.80	2.98	2.73	2.81	2.87	2.71	2.90	2.98	2.57	2.60	2.97	2.96	2.79	2.55	2.72	2.74	2.97	2.97	2.24							
	No. of invalid days			Value valid?	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
	Total invalid 1/2 hours			No. of invalid 1/2 hours																														
	Sum of exceedances			Value exceeds ELV (Y/N)	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N

Signed **K.Bennett** Date **24.07.2018**
(Authorised to sign as representative of Tarmac Cement & Lime Ltd)

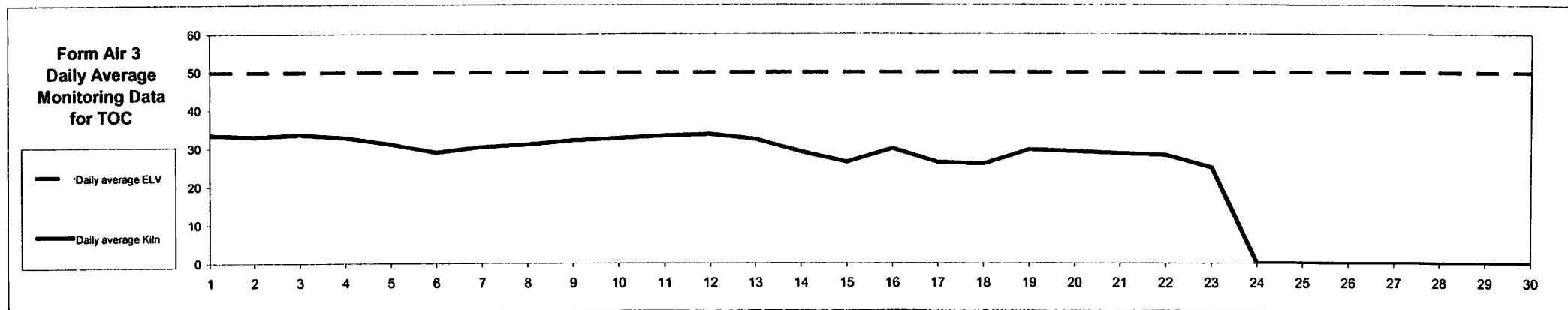
[Signature] 25/7/18

Permit Reference Number: BL39861D

Operator: Tarmac Cement & Lime Ltd
Jun-18

Installation: Aberthaw Works

Kiln Report of Continuous Monitored Emissions (Emission Point A1)



Kiln

Kiln	Monthly summary		Date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
			Daily average ELV	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	
Daily average	Monthly maximum	34	Daily average Kiln	33.6	33.1	33.7	32.9	31.2	29.0	30.5	31.1	32.2	32.8	33.4	33.8	32.5	29.1	26.4	29.9	26.4	25.9	29.7	29.2	28.7	28.3	25.0							
	No. of invalid days		Value valid?	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
	Total invalid 1/2 hours		No. of invalid 1/2 hours																														
	Sum of exceedances		Value exceeds ELV (Y/N)	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N

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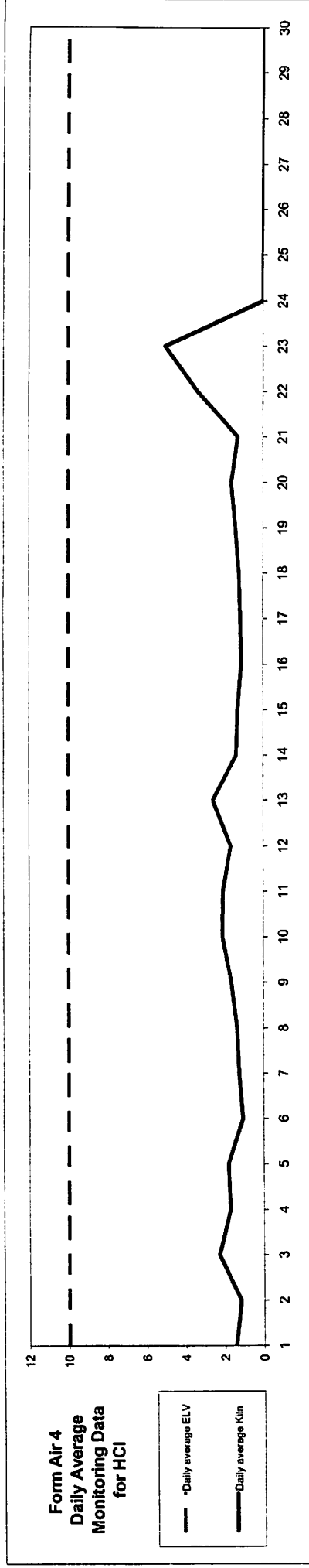
[Signature] 25/7/18

Permit Reference Number: BL3986ID

Installation: Aberthaw Works

Kiln Report of Continuous Monitored Emissions from Kiln 4 (Emission Point A8)

Operator: Tarmac Cement & Lime Ltd
Jun-18



Kiln	Monthly summary																														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
Daily average	Date																														
	Daily average ELV																														
	Monthly maximum																														
	Daily average kWh																														
	Value year?																														
Daily average	1.44	1.19	2.30	1.73	1.83	1.08	1.26	1.36	1.65	2.12	2.10	1.68	2.59	1.36	1.31	1.12	1.16	1.23	1.42	1.63	1.28	3.36	5.03								
	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
	No. of invalid 1/2 hours																														
	Sum of exceedances																														
Daily average	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	
	Value exceeds ELV (Y/N)																														

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(Authorised to sign as representative of Tarmac Cement & Lime Ltd)

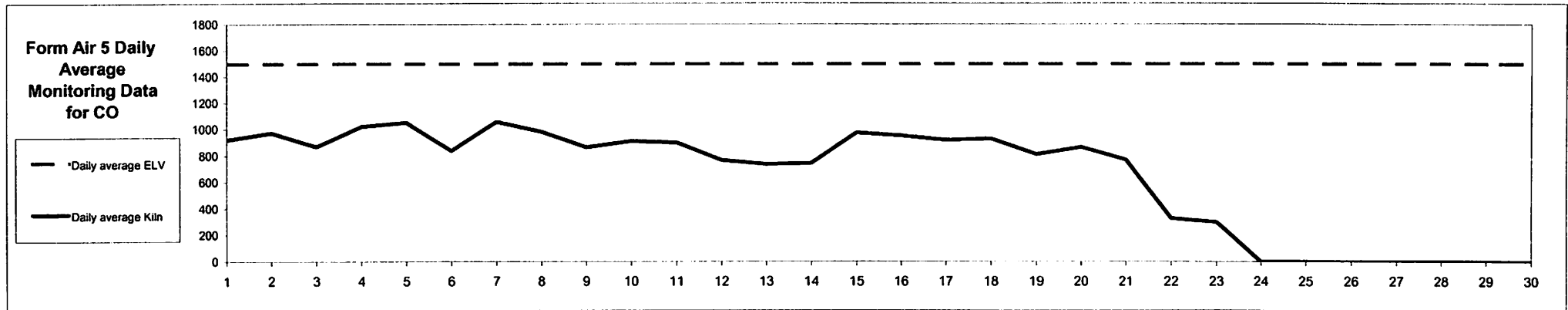
[Signature] 25/7/18

Permit Reference Number: BL3986ID

Operator: Tarmac Cement & Lime Ltd
Jun-18

Installation: Aberthaw Works

Kiln Report of Continuous Monitored Emissions (Emission Point A1)



Kiln		Monthly summary		Date		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Daily average			Daily average ELV	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500
		Monthly maximum	1057	Daily average Kān	920	973	869	1021	1052	839	1057	983	884	910	899	767	737	745	974	953	919	931	812	866	771	331	301								
		No. of invalid days		Value valid?	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
		Total invalid 1/2 hours		No. of invalid 1/2 hours																															
		Sum of exceedances		Value exceeds ELV (Y/N)	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N

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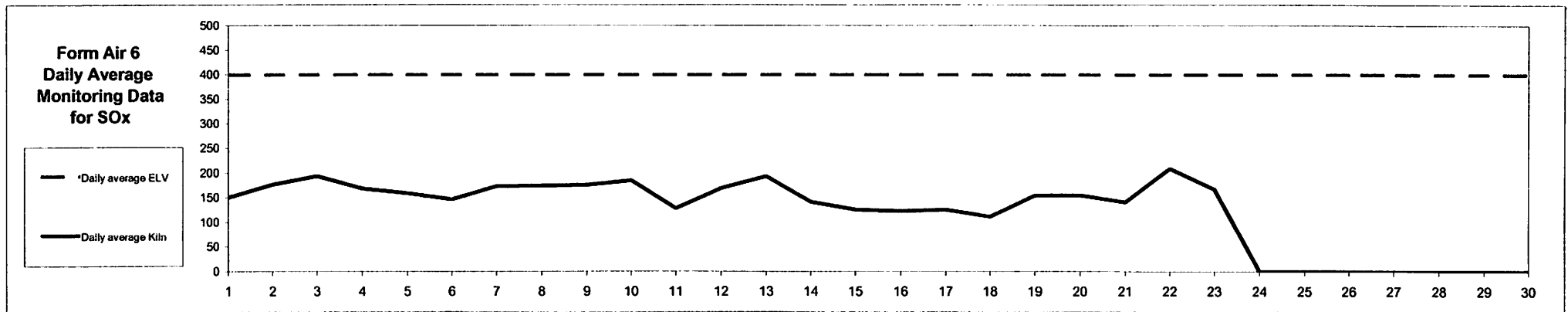
[Signature] 25/7/18

Permit Reference Number: BL3986ID

Operator: Tarmac Cement & Lime Ltd
Jun-18

Installation: Aberthaw Works

Kiln Report of Continuous Monitored Emissions (Emission Point A1)



Kiln

Monthly summary		Date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Daily average		Daily average ELV	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400
	Monthly maximum	209	151	177	194	169	159	147	173	174	176	185	129	169	193	142	126	123	126	112	155	155	141	209	167							
	No. of invalid days		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Total invalid 1/2 hours																															
	Sum of exceedances		N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N

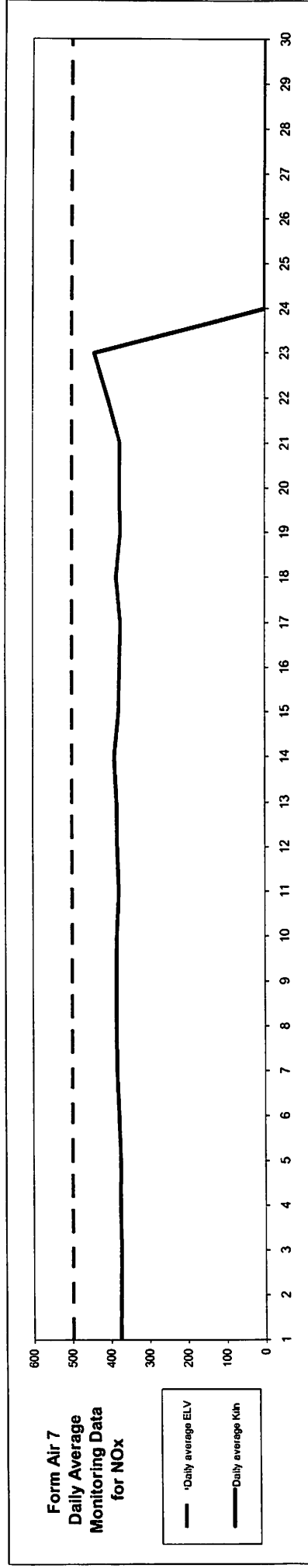
Signed **K.Bennett** Date **24.07.2018**
(Authorised to sign as representative of Tarmac Cement & Lime Ltd)

 25/7/18

Operator: Tarmac Cement & Lime Ltd
Jun-18

Installation: Aberthaw Works

Kiln Report of Continuous Monitored Emissions (Emission Point A1)

[illegible]

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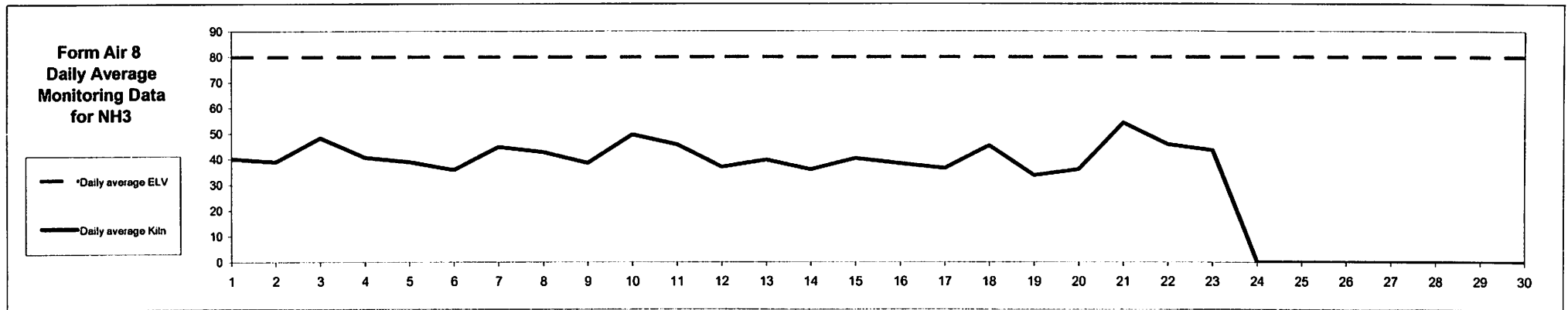
25/7/18

Permit Reference Number: BL3986ID

Operator: Tarmac Cement & Lime Ltd
Jun-18

Installation: Aberthaw Works

Kiln Report of Continuous Monitored Emissions (Emission Point A1)



Kiln

Date	Monthly summary		Date		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
			Daily average ELV	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	80	
Daily average	Monthly maximum	54	Daily average Ktn	40	39	48	41	39	38	45	43	39	50	46	37	40	36	40	38	37	45	34	36	54	46	44	0	0	0	0	0	0	0	0
	No. of invalid days		Value valid?	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
	Total invalid 1/2 hours	1	No. of invalid 1/2 hours											1																				
	Sum of exceedances	0	Sum exceeds ELV (Y/N)	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N

Signed **K.Bennett** Date **24.07.2018**
(Authorised to sign as representative of Tarmac Cement & Lime Ltd)

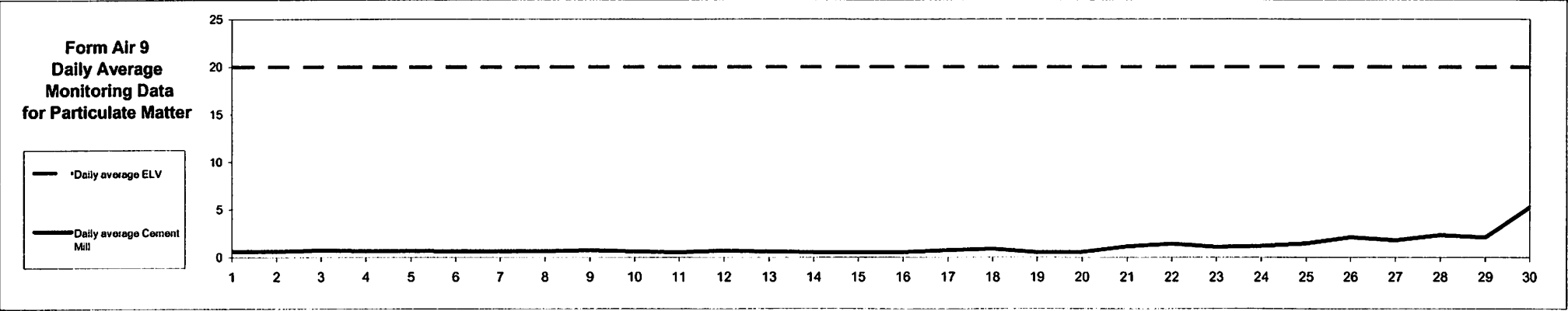
[Signature] 25/7/18

Permit Reference Number: BL3986ID

Operator: Tarmac Cement & Lime Ltd
Jun-18

Installation: Aberthaw Works

Cement Mill Report of Continuous Monitored Emissions (Emission Point A2)



Cement Mill																																	
Monthly summary			Date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Daily average			Daily average ELV	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
	Monthly maximum	5	Daily average Cement Mill	0.65	0.63	0.77	0.69	0.71	0.65	0.68	0.66	0.76	0.62	0.54	0.70	0.62	0.55	0.53	0.54	0.77	0.91	0.56	0.56	1.15	1.44	1.11	1.20	1.46	2.10	1.81	2.36	2.11	5.27
	No. of invalid days		Value valid?	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
	Total invalid 1/2 hours		No. of invalid 1/2 hours																														
	Sum of exceedances		Value exceeds ELV (Y/N)	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N

Signed K.Bennett Date 25.07.2018
(Authorised to sign as representative of Tarmac Cement & Lime Ltd)

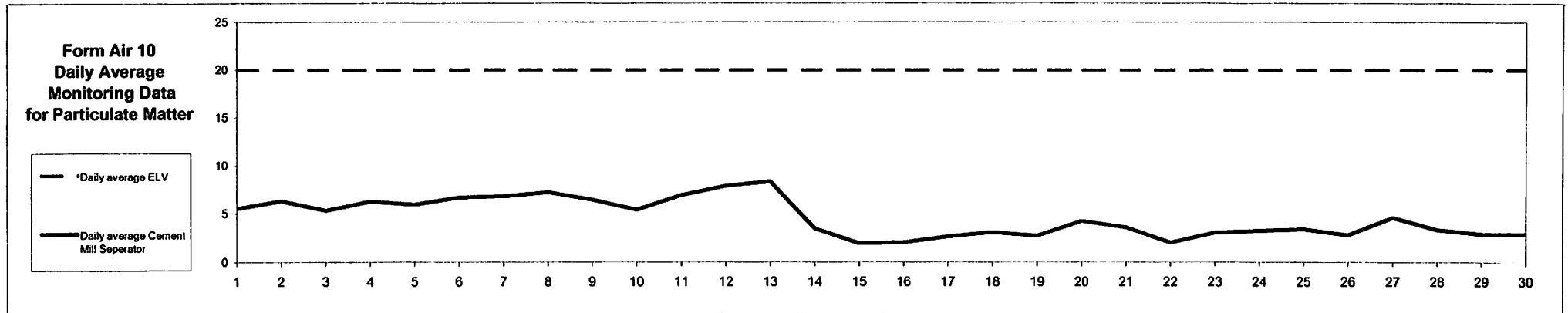
[Signature] 25/7/18

Permit Reference Number: BL3986ID

Operator: Tarmac Cement & Lime Ltd
Jun-18

Installation: Aberthaw Works

Cement Mill Separator Report of Continuous Monitored Emissions (Emission Point A3)



Cement Mill Separator

Daily average	Monthly summary		Date		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
			Daily average ELV		20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	
	Monthly maximum	8	Daily average Cement Mill Support		5.54	6.33	5.34	6.29	5.96	6.71	6.82	7.23	6.45	5.41	6.94	7.90	8.36	3.49	1.94	2.04	2.66	3.09	2.73	4.27	3.59	2.04	3.07	3.24	3.40	2.82	4.60	3.35	2.92	2.91
	No. of invalid days		Value valid?		Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
	Total invalid 1/2 hours		No. of invalid 1/2 hours																															
	Sum of exceedances		Value exceeds ELV (Y/N)		N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N

Signed K.Bennett Date 25.07.2018
(Authorised to sign as representative of Tarmac Cement & Lime Ltd)

 25/7/18