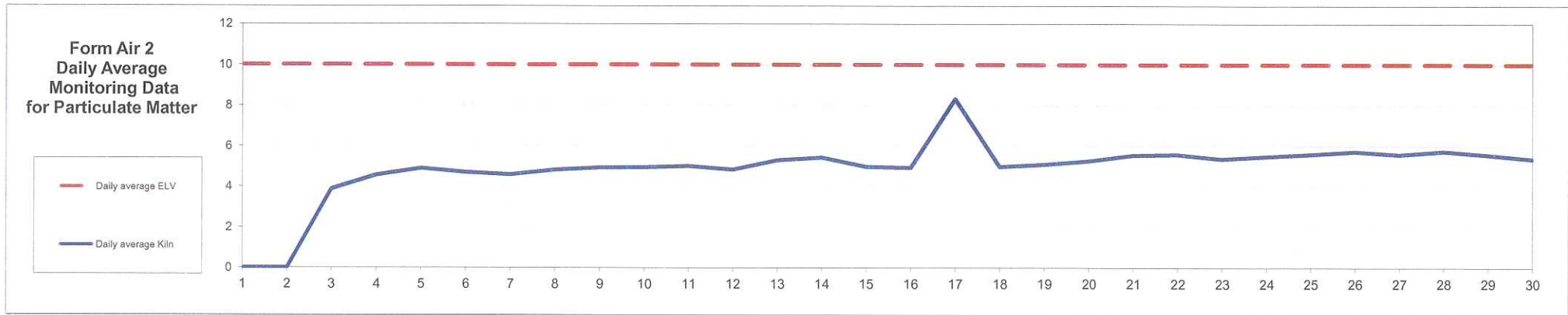


Permit Reference Number: BL3986ID

Operator: Tarmac Cement & Lime Ltd
Jun-19

Installation: Aberthaw Works

Kiln Report of Continuous Monitored Emissions (Emission Point A1)



Kiln

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	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	8	Daily average Kiln	3.88	4.57	4.89	4.70	4.59	4.83	4.94	4.95	5.01	4.83	5.30	5.44	4.98	4.94	8.33	4.99	5.09	5.27	5.55	5.59	5.36	5.49	5.60	5.73	5.58	5.74	5.57	5.37		
	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 **17.07.2019**
(Authorised to sign as representative of Tarmac Cement & Lime Ltd)

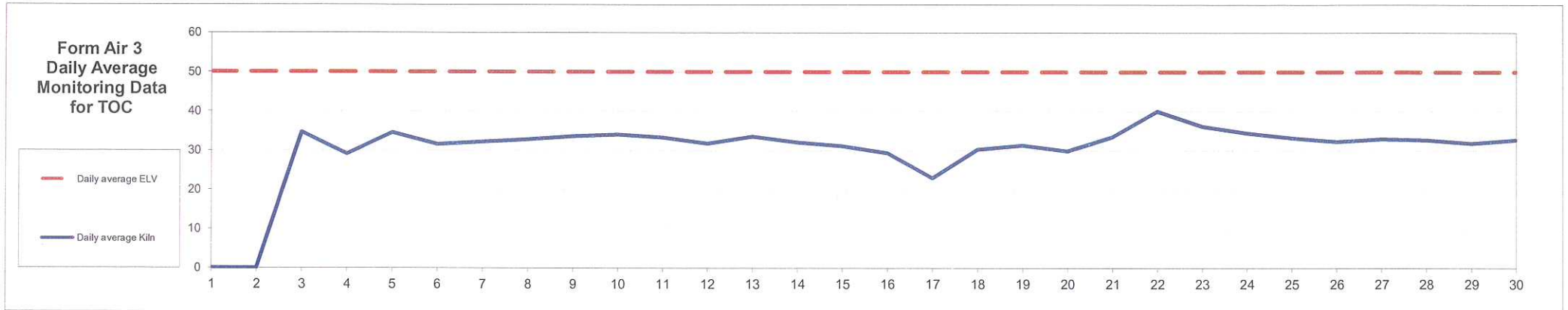
[Handwritten Signature] 25/7/19.

Permit Reference Number: BL3986ID

Operator: Tarmac Cement & Lime Ltd
Jun-19

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 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	50
Daily average	Monthly maximum	40	Daily average Kiln			34.7	29.1	34.6	31.5	32.2	32.8	33.6	34.0	33.3	31.7	33.5	32.1	31.1	29.3	23.0	30.3	31.3	29.9	33.5	40.0	36.2	34.5	33.2	32.3	33.0	32.7	31.9	32.7
	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 **17.07.2019**
(Authorised to sign as representative of Tarmac Cement & Lime Ltd)

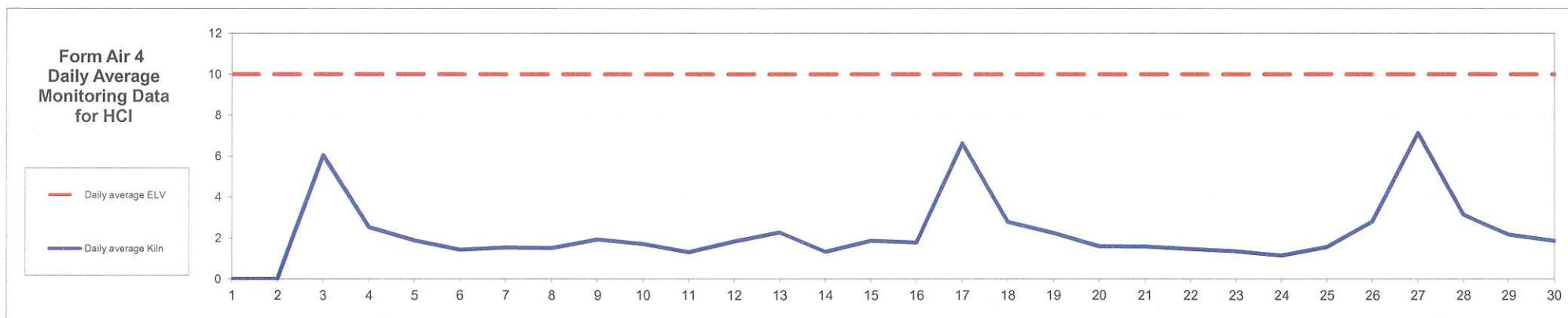
[Signature] 25/7/19.

Permit Reference Number: BL3986ID

Operator: Tarmac Cement & Lime Ltd
Jun-19

Installation: Aberthaw Works

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



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	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
Daily average		7	Daily average Kiln			6.05	2.54	1.88	1.43	1.54	1.51	1.93	1.71	1.31	1.84	2.27	1.33	1.87	1.79	6.62	2.79	2.25	1.60	1.59	1.47	1.35	1.14	1.56	2.80	7.14	3.14	2.18	1.87
			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	
			Total 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

Signed K.Bennett Date 17.07.2019
(Authorised to sign as representative of Tarmac Cement & Lime Ltd)

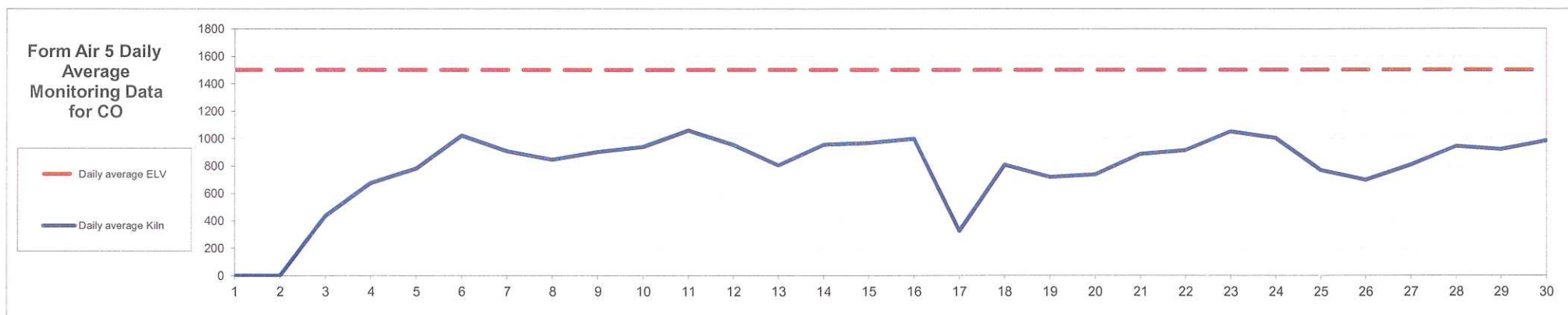
Handwritten signature and date: 25/7/19

Permit Reference Number: BL3986ID

Operator: Tarmac Cement & Lime Ltd
Jun-19

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	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
Daily average	Monthly maximum	1059	Daily average Kiln			437	675	782	1022	908	846	901	938	1059	952	804	954	968	997	325	810	720	737	887	915	1051	1004	768	697	808	944	922	985
	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 **17.07.2019**
(Authorised to sign as representative of Tarmac Cement & Lime Ltd)

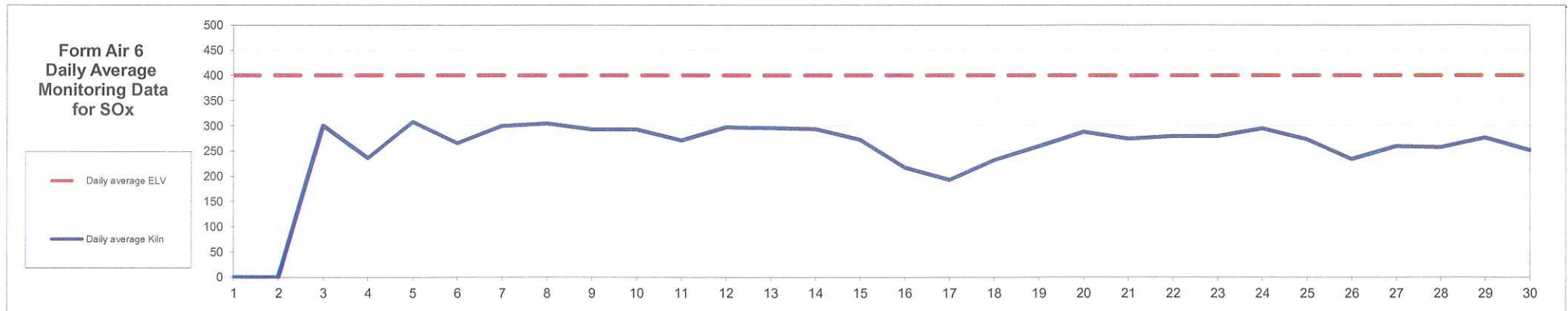
Don 25/7/19.

Permit Reference Number: BL3986ID

Operator: Tarmac Cement & Lime Ltd
Jun-19

Installation: Aberthaw Works

Kiln Report of Continuous Monitored Emissions (Emission Point A1)



Kiln

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	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
		308	Daily average Kiln			301	236	308	265	300	305	293	293	271	297	296	293	273	218	193	232	260	288	275	280	280	295	274	234	260	258	277	252
			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

Signed **K.Bennett** Date **17.07.2019**
(Authorised to sign as representative of Tarmac Cement & Lime Ltd)

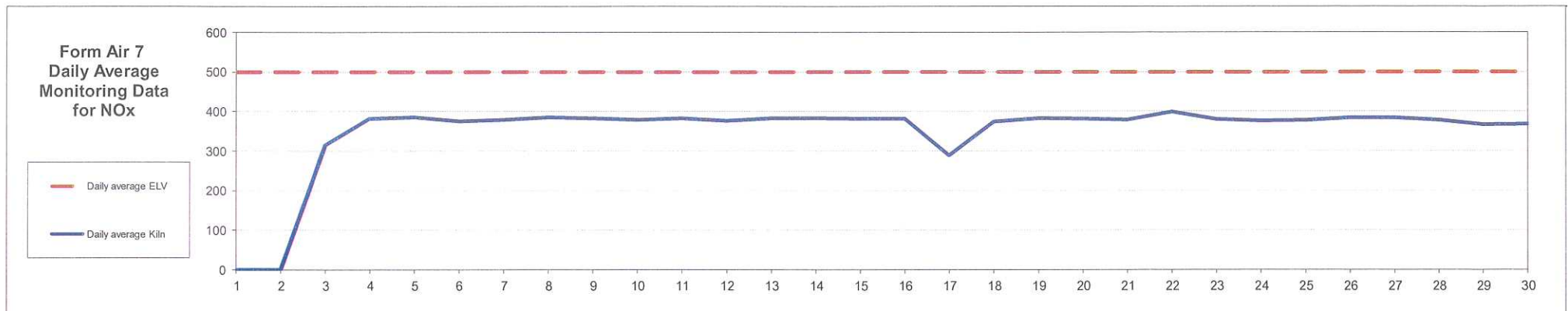
Ben 25/7/19

Permit Reference Number: BL3986ID

Operator: Tarmac Cement & Lime Ltd
Jun-19

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	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500
Daily average	Monthly maximum	399	Daily average Kiln			313	382	386	375	380	385	384	380	383	377	383	383	381	381	289	374	383	382	379	399	380	377	378	384	384	377	367	367
	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 **17.07.2019**
(Authorised to sign as representative of Tarmac Cement & Lime Ltd)

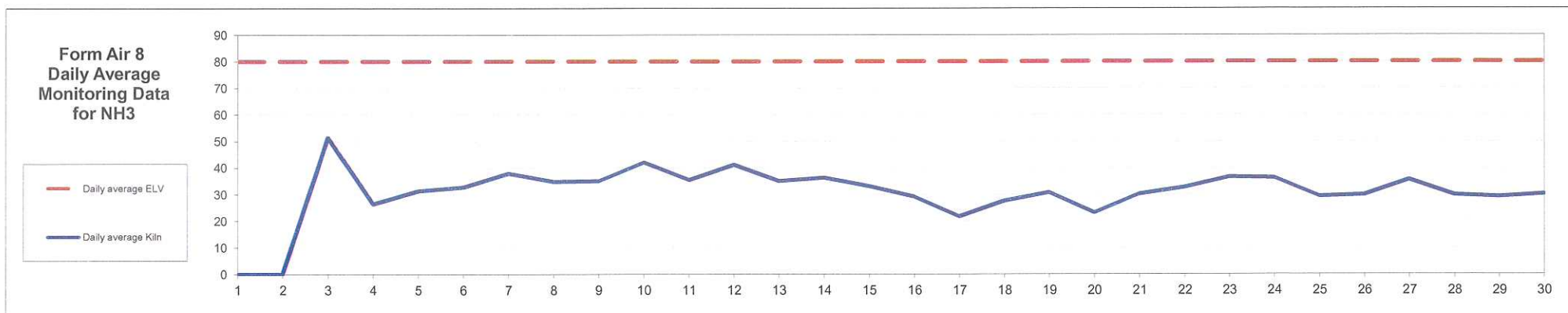
[Handwritten Signature] 25/7/19

Permit Reference Number: BL3986ID

Operator: Tarmac Cement & Lime Ltd
Jun-19

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	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		51	Daily average Kiln	0	0	51	26	31	33	38	35	35	42	35	41	35	36	33	29	22	28	31	23	30	33	37	36	29	30	36	30	29	30
	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	1	No. of invalid 1/2 hours										1																				
	Sum of exceedances	0	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 **17.07.2019**
(Authorised to sign as representative of Tarmac Cement & Lime Ltd)

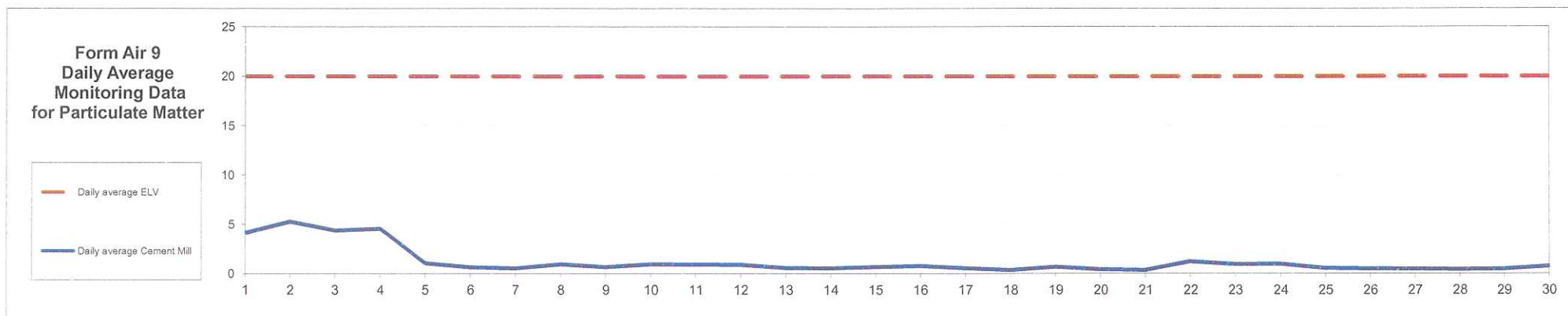
[Handwritten Signature] 25/7/19

Permit Reference Number: BL3986ID

Operator: Tarmac Cement & Lime Ltd
Jun-19

Installation: Aberthaw Works

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



Cement Mill																																		
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	20	
	Monthly maximum	5	Daily average Cement Mill	4.11	5.25	4.37	4.54	1.05	0.84	0.55	0.96	0.67	0.95	0.93	0.91	0.57	0.54	0.66	0.78	0.55	0.38	0.70	0.45	0.37	1.24	0.96	0.99	0.56	0.49	0.47	0.43	0.46	0.76	
	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		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

Signed **A. Cachaco** Date **25/07/2019**
(Authorised to sign as representative of Tarmac Cement & Lime Ltd)

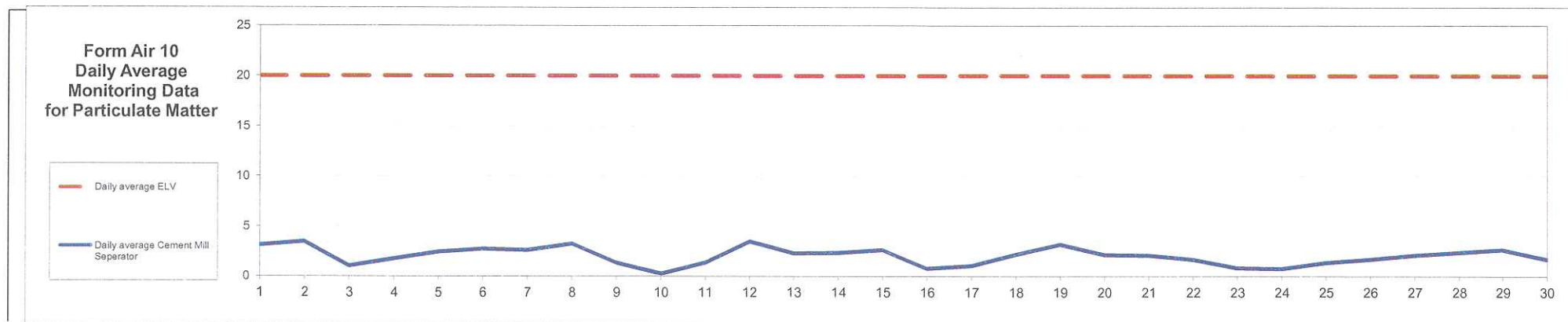
[Signature] 25/7/19

Permit Reference Number: BL3986ID

Operator: Tarmac Cement & Lime Ltd
Jun-19

Installation: Aberthaw Works

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



Cement Mill Separator

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	3	Daily average Cement Mill Separator	3.11	3.47	1.01	1.73	2.43	2.71	2.60	3.25	1.33	0.26	1.38	3.48	2.29	2.33	2.62	0.77	1.05	2.16	3.16	2.14	2.10	1.68	0.84	0.77	1.36	1.68	2.08	2.37	2.65	1.70
	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		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 **A. Cachaco** Date **25/07/2019**
(Authorised to sign as representative of Tarmac Cement & Lime Ltd)

Quin 25/7/19