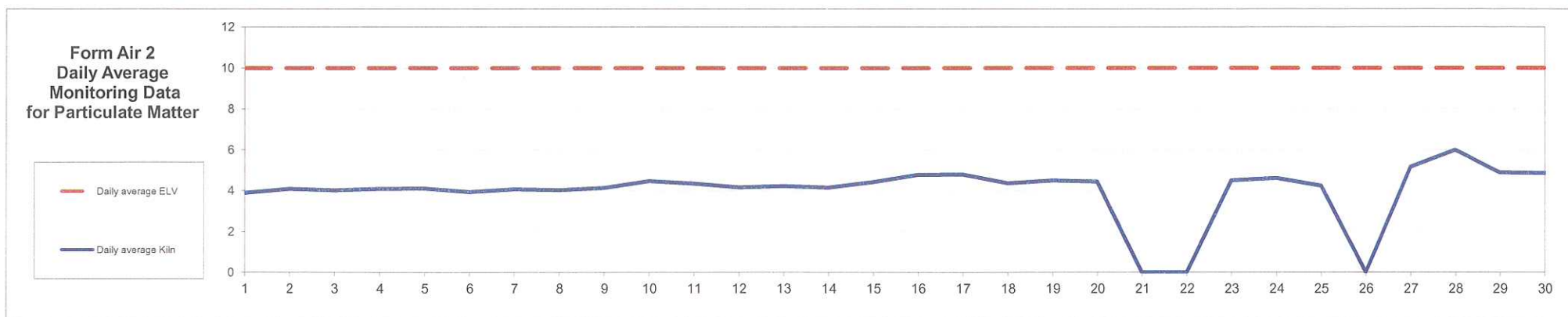


Permit Reference Number: BL3986ID

Operator: Tarmac Cement & Lime Ltd
Apr-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	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	Monthly maximum	6	Daily average Kiln	3.90	4.09	4.02	4.09	4.10	3.94	4.07	4.03	4.14	4.47	4.35	4.17	4.23	4.15	4.42	4.78	4.79	4.36	4.49	4.45			4.50	4.62	4.24		5.16	5.99	4.88	4.86
	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)

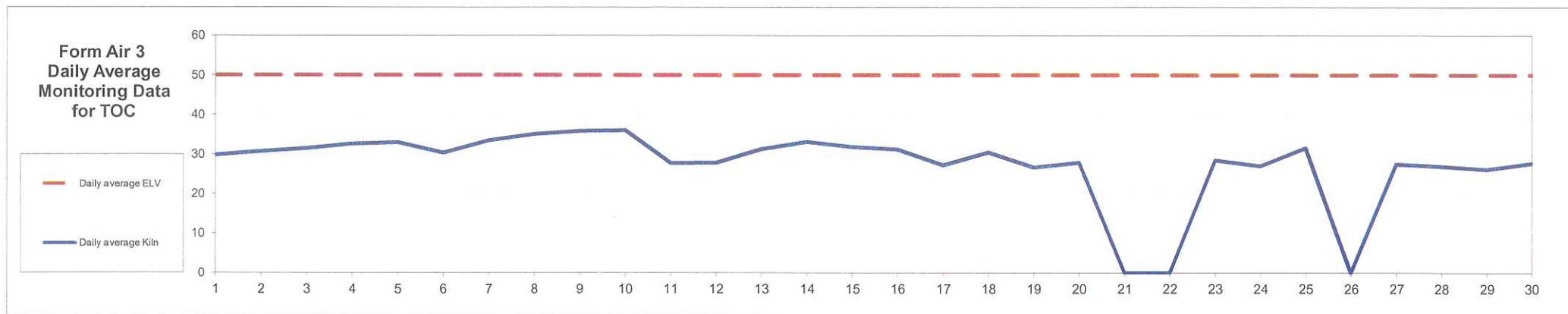
[Signature] 25/7/19.

Permit Reference Number: BL3986ID

Operator: Tarmac Cement & Lime Ltd
Apr-19

Installation: Aberthaw Works

Kiln Report of Continuous Monitored Emissions (Emission Point A1)



Kiln

Item	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	36	Daily average Kiln	29.8	30.7	31.5	32.6	33.0	30.3	33.4	35.1	35.8	36.0	27.8	27.8	31.3	33.1	31.8	31.2	27.2	30.5	26.7	27.9			28.5	27.0	31.6		27.5	26.9	26.2	27.7
	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)

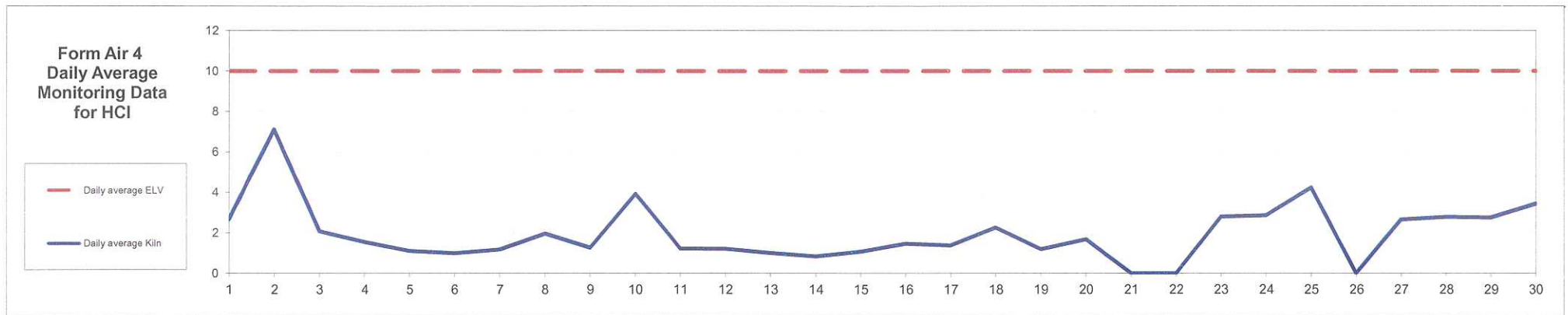
[Signature] 25/7/19

Permit Reference Number: BL3986ID

Operator: Tarmac Cement & Lime Ltd
Apr-19

Installation: Aberthaw Works

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



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	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	Monthly maximum	7	Daily average Kiln	2.68	7.12	2.08	1.55	1.11	1.00	1.18	1.97	1.27	3.93	1.23	1.22	1.01	0.84	1.08	1.46	1.38	2.27	1.20	1.69			2.81	2.86	4.24		2.65	2.78	2.76	3.44
	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)

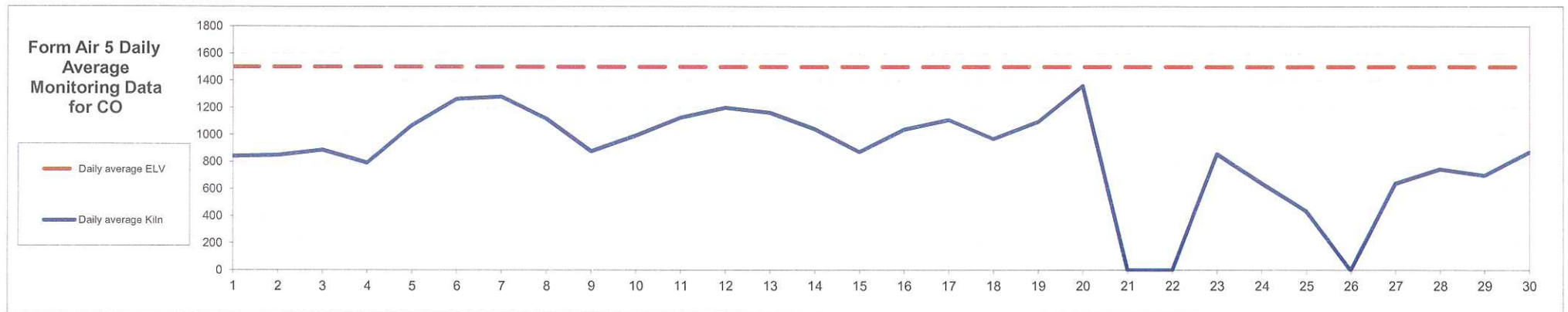
Handwritten signature and date: 25/7/19.

Permit Reference Number: BL3986ID

Operator: Tarmac Cement & Lime Ltd
Apr-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			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
	Monthly maximum	1361	Daily average Kiln	841	848	886	791	1069	1264	1280	1118	877	994	1126	1199	1162	1042	872	1038	1108	969	1095	1361			858	642	437		639	745	699	870
	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 **K.Bennett** Date **17.07.2019**
(Authorised to sign as representative of Tarmac Cement & Lime Ltd)

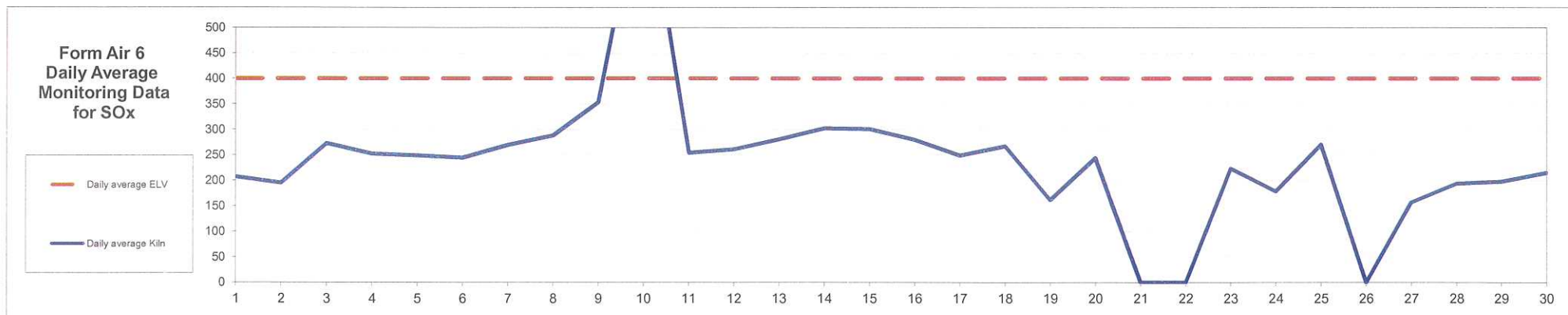
Qan 25/7/19.

Permit Reference Number: BL3986ID

Operator: Tarmac Cement & Lime Ltd
Apr-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		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	804	208	196	273	252	249	245	270	288	354	804	255	261	281	303	301	280	249	267	161	244			224	179	270		157	194	198	215
	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	
	Total invalid 1/2 hours		No. of invalid 1/2 hours																													
	Sum of exceedances	1	Value exceeds ELV (Y/N)	N	N	N	N	N	N	N	N	N	Y	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)

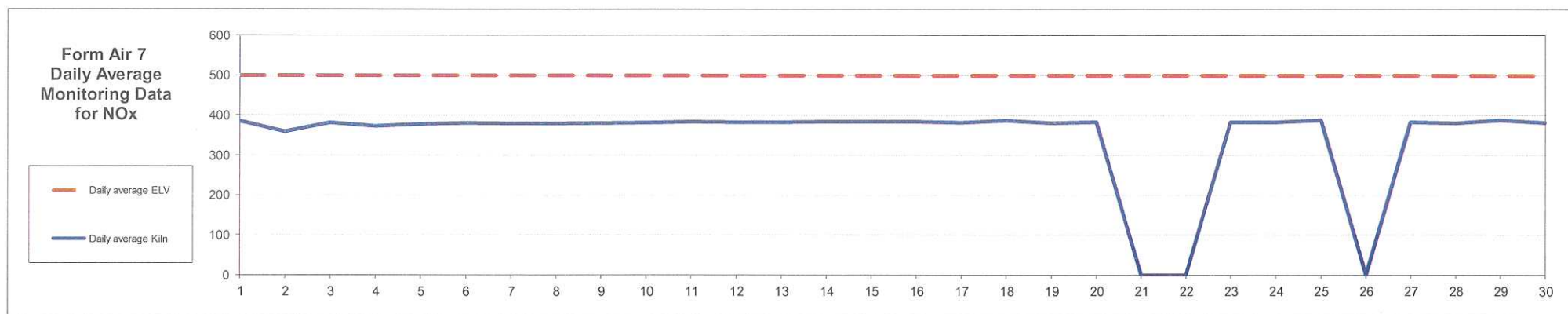
Handwritten signature and date: 25/7/19

Permit Reference Number: BL3986ID

Operator: Tarmac Cement & Lime Ltd
Apr-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	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		388	Daily average Kiln	386	359	382	373	378	380	379	379	380	382	385	383	383	384	385	384	382	386	380	383			383	383	388		383	381	388	381
			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	
			No. of 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

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

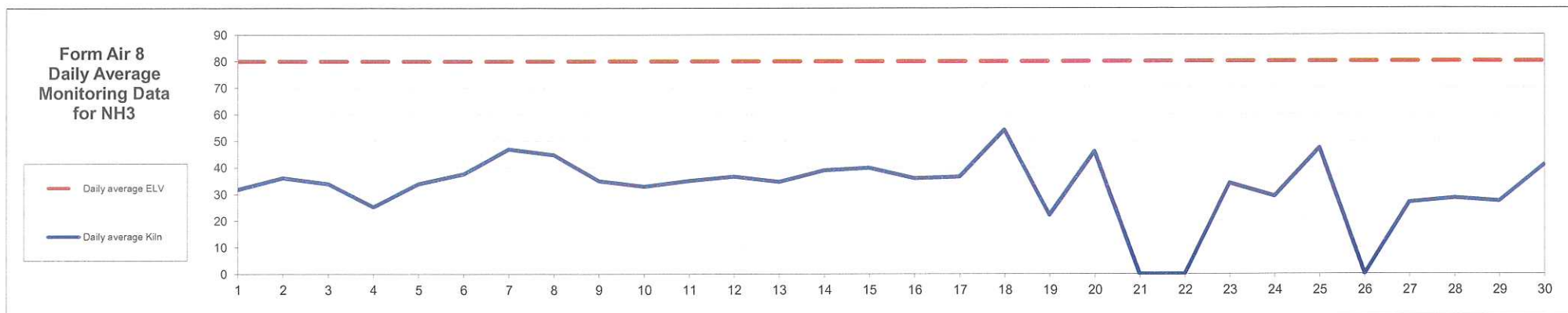
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Permit Reference Number: BL3986ID

Operator: Tarmac Cement & Lime Ltd
Apr-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	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
	Monthly maximum	54	Daily average Kiln	32	36	34	25	34	38	47	45	35	33	35	37	35	39	40	36	37	54	22	46	0	0	34	29	47	0	27	28	27	41
	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)

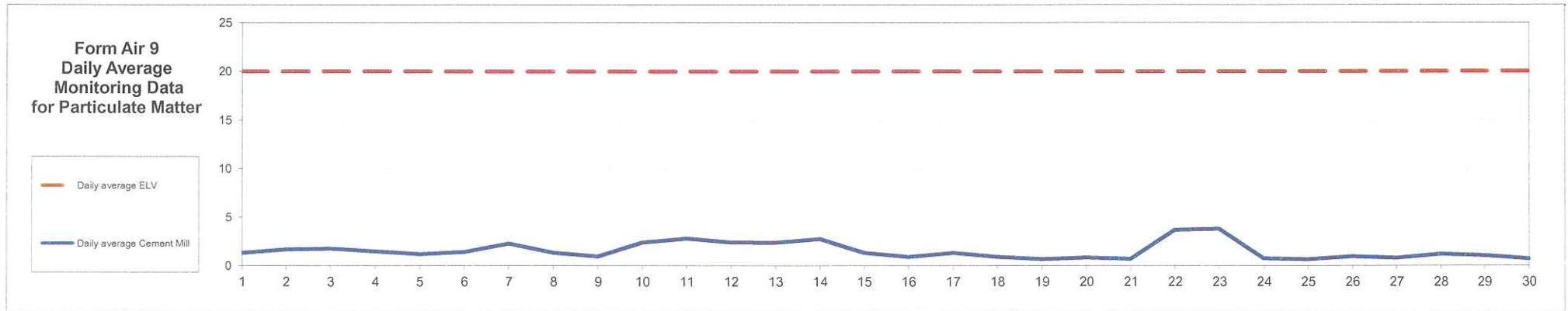
[Signature] 25/7/19.

Permit Reference Number: BL3986ID

Operator: Tarmac Cement & Lime Ltd
Apr-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	4	Daily average Cement Mill	1.30	1.66	1.74	1.47	1.17	1.41	2.28	1.33	0.96	2.37	2.78	2.39	2.36	2.74	1.31	0.90	1.30	0.91	0.68	0.83	0.69	3.69	3.78	0.72	0.63	0.92	0.78	1.18	1.03	0.71
	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)

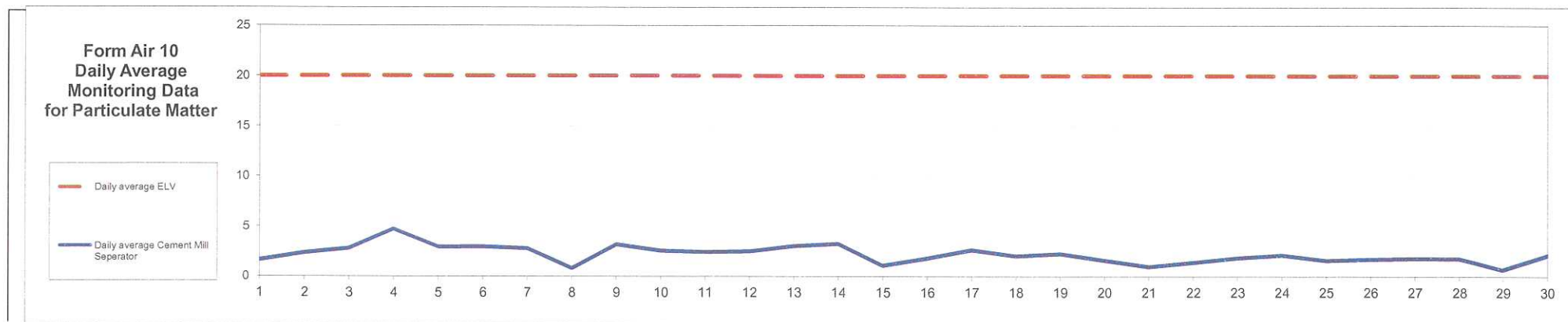
 25/7/19.

Permit Reference Number: BL3986ID

Operator: Tarmac Cement & Lime Ltd
Apr-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	20
	Monthly maximum	5	Daily average Cement Mill Seper	1.64	2.35	2.76	4.70	2.91	2.95	2.76	0.80	3.16	2.54	2.43	2.49	3.02	3.24	1.06	1.79	2.62	2.03	2.24	1.60	0.97	1.40	1.83	2.13	1.58	1.73	1.78	1.78	0.67	2.10	
	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.