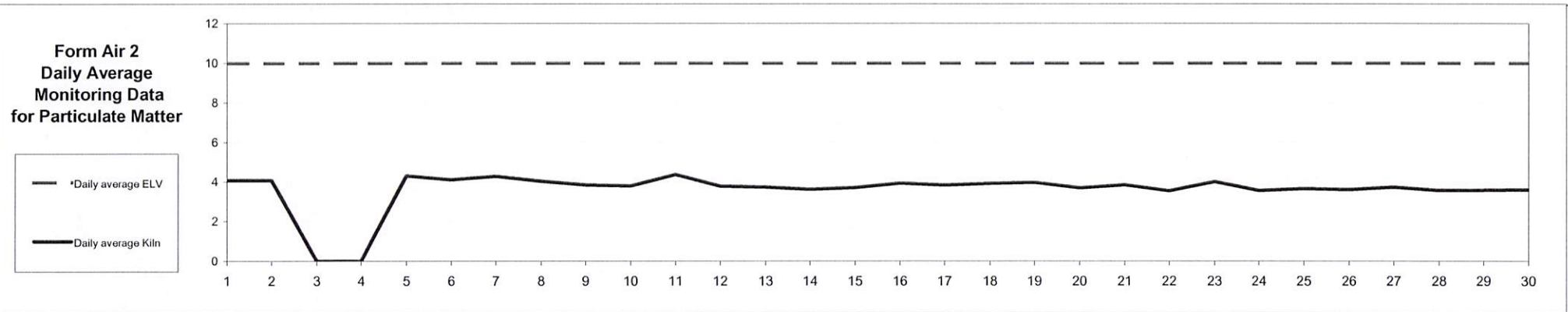


Permit Reference Number: BL3986ID

Operator: Tarmac Cement & Lime Ltd
Sep-18

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	4	Daily average Kiln	4.09	4.07			4.31	4.10	4.28	4.03	3.84	3.80	4.37	3.79	3.73	3.62	3.71	3.93	3.83	3.92	3.97	3.70	3.85	3.54	4.01	3.56	3.66	3.61	3.74	3.58	3.58	3.61
	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	N

Signed **K.Bennett** Date **25.10.2018**
(Authorised to sign as representative of Tarmac Cement & Lime Ltd)

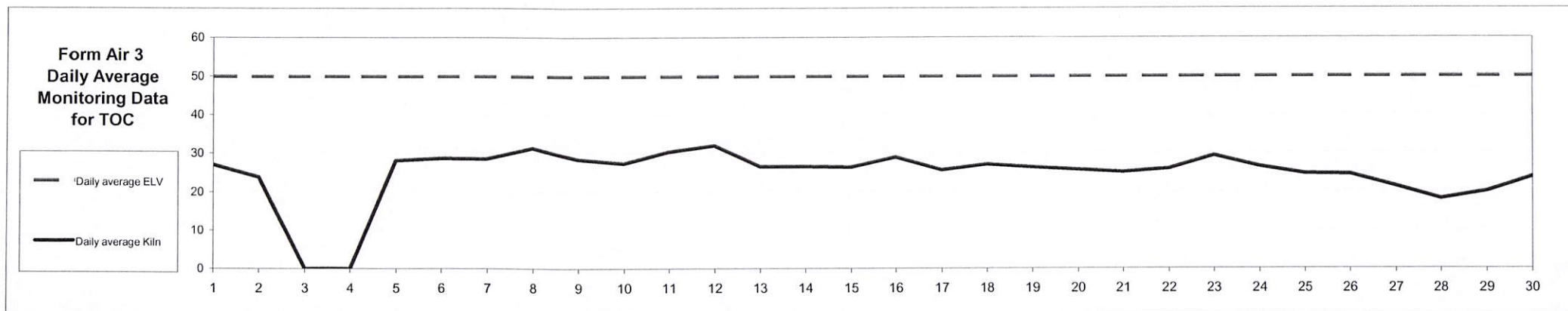
[Signature] 26/10/18

Permit Reference Number: BL3986ID

Operator: Tarmac Cement & Lime Ltd
Sep-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	50	50
Daily average		32	Daily average Kiln	27.1	23.9			28.1	28.7	28.5	31.3	28.5	27.4	30.4	32.0	26.6	26.6	26.3	28.9	25.6	27.1	26.3	25.7	25.0	25.9	29.3	26.5	24.6	24.5	21.4	18.1	20.1	23.8	
			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																															

Signed **K.Bennett** Date **25.10.2018**
(Authorised to sign as representative of Tarmac Cement & Lime Ltd)

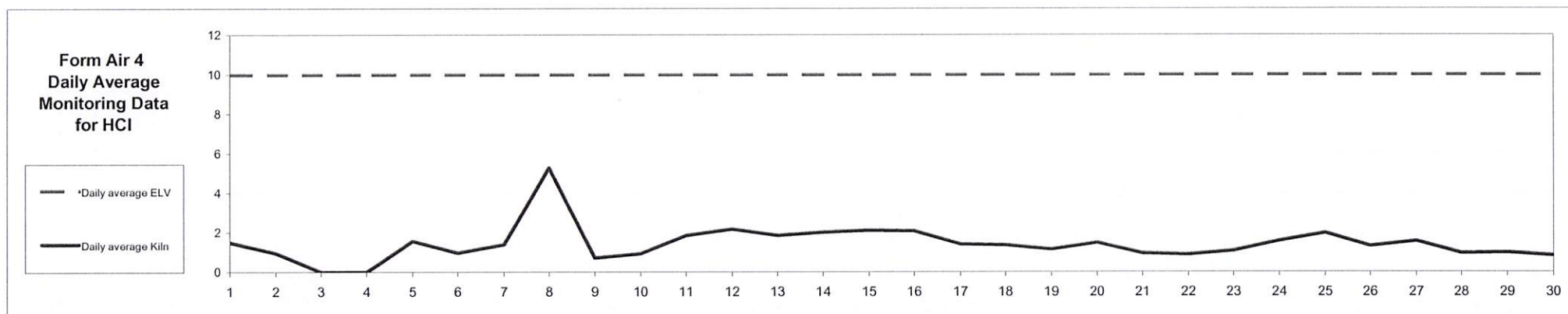
Don 26/10/18

Permit Reference Number: BL3986ID

Operator: Tarmac Cement & Lime Ltd
Sep-18

Installation: Aberthaw Works

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



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	10
	Monthly maximum	5	Daily average Kiln	1.50	0.96			1.58	0.96	1.39	5.28	0.72	0.93	1.86	2.18	1.85	2.02	2.12	2.07	1.40	1.36	1.15	1.49	0.94	0.88	1.07	1.57	1.97	1.32	1.56	0.94	0.98	0.83	
	No. of invalid days		Value above	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 K.Bennett Date 25.10.2018
(Authorised to sign as representative of Tarmac Cement & Lime Ltd)

[Signature] 26/10/18

Permit Reference Number: BL3986ID

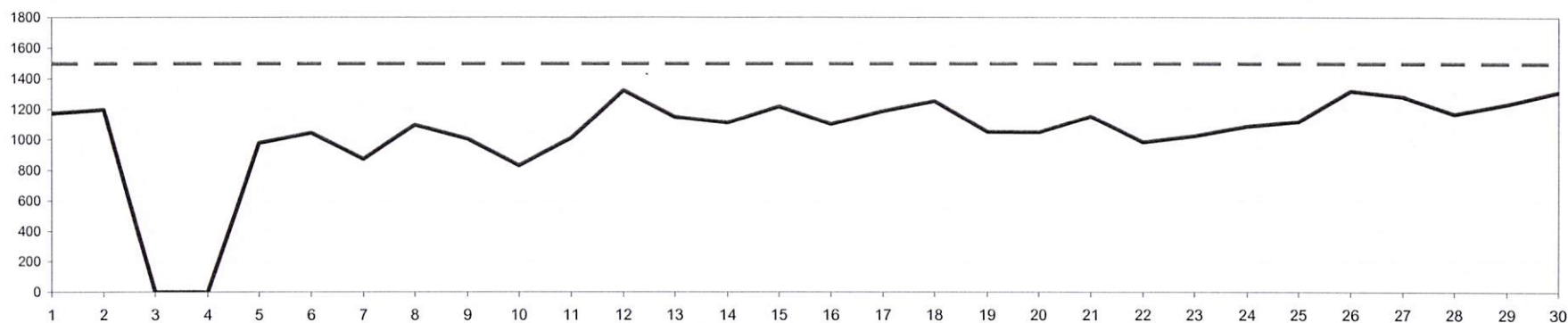
Operator: Tarmac Cement & Lime Ltd
Sep-18

Installation: Aberthaw Works

Kiln Report of Continuous Monitored Emissions (Emission Point A1)

**Form Air 5 Daily
Average
Monitoring Data
for CO**

— *Daily average ELV
— Daily average 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	Monthly maximum	1326	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
	Daily average Kiln	1175	1199				979	1045	874	1097	1006	830	1012	1326	1151	1113	1219	1103	1190	1254	1053	1050	1154	984	1025	1068	1118	1320	1282	1169	1233	1312
	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 **25.10.2018**
(Authorised to sign as representative of Tarmac Cement & Lime Ltd)

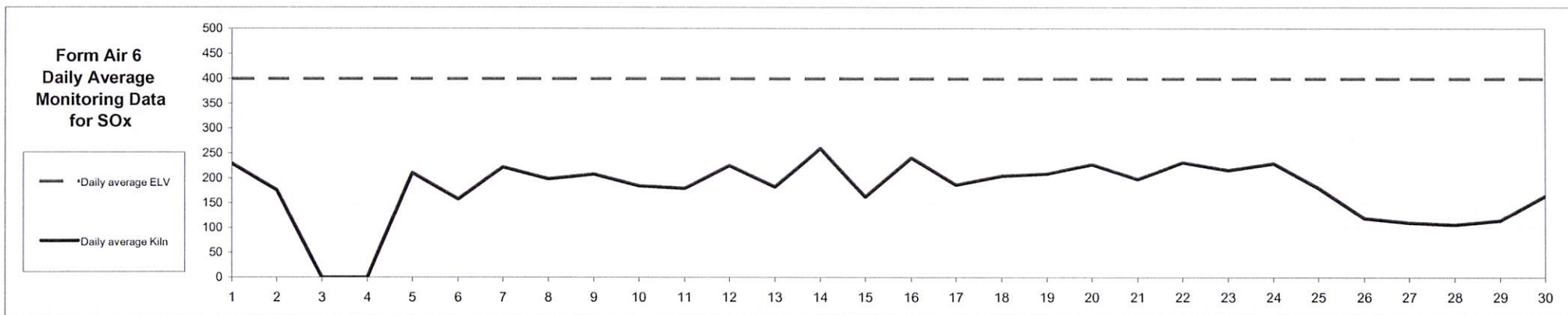
Qsin 26/10/18

Permit Reference Number: BL3986ID

Operator: Tarmac Cement & Lime Ltd
Sep-18

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	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
Daily average		260	Daily average Kiln	229	176			211	158	222	199	208	185	180	226	183	260	162	241	187	205	209	228	198	232	216	230	181	119	110	107	115	165
			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																														
			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
			Sum of exceedances																														

Signed **K.Bennett** Date **25.10.2018**
(Authorised to sign as representative of Tarmac Cement & Lime Ltd)

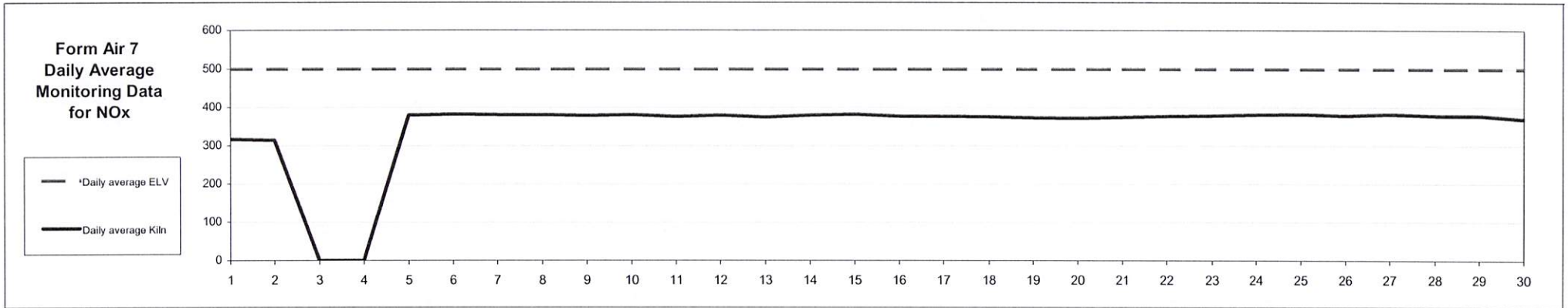
Don 26/10/18

Permit Reference Number: BL3986ID

Operator: Tarmac Cement & Lime Ltd
Sep-18

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	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	
	Monthly maximum	382	Daily average Kiln	316	314			379	382	380	380	378	380	375	379	374	379	381	377	376	376	372	372	375	377	377	380	382	378	382	378	378	369
	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 **25.10.2018**
(Authorised to sign as representative of Tarmac Cement & Lime Ltd)

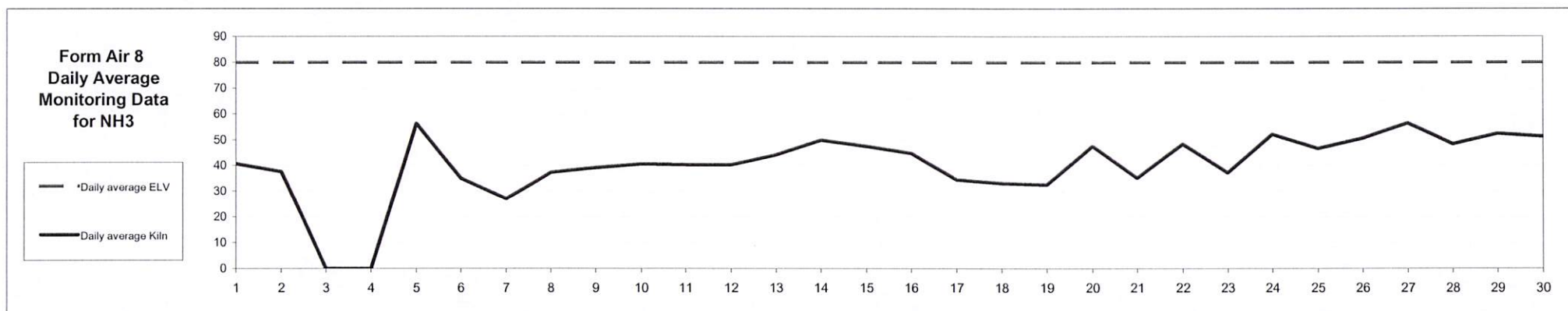
[Signature] 26/10/18

Permit Reference Number: BL3986ID

Operator: Tarmac Cement & Lime Ltd
Sep-18

Installation: Aberthaw Works

Kiln Report of Continuous Monitored Emissions (Emission Point A1)



Kiln

Kin	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		56	Daily average Kin	41	38	0	0	56	35	27	37	39	41	40	40	44	50	47	45	34	33	32	48	35	48	37	52	47	51	56	48	52	51
	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 **25.10.2018**
(Authorised to sign as representative of Tarmac Cement & Lime Ltd)

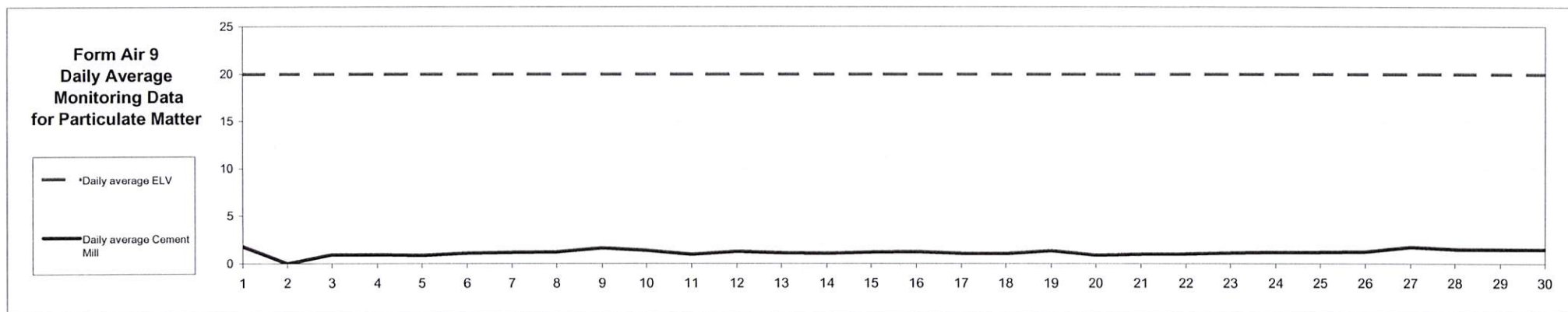
[Handwritten Signature] 26/10/18

Permit Reference Number: BL3986ID

Operator: Tarmac Cement & Lime Ltd
Sep-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	20
	Monthly maximum	2	Daily average Cement Mill	1.81		0.94	0.93	0.87	1.10	1.16	1.23	1.65	1.39	0.97	1.28	1.13	1.06	1.21	1.25	1.08	1.04	1.36	0.89	1.00	1.02	1.12	1.21	1.19	1.24	1.74	1.51	1.50	1.52	
	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 **K.Bennett** Date **25.10.2018**
(Authorised to sign as representative of Tarmac Cement & Lime Ltd)

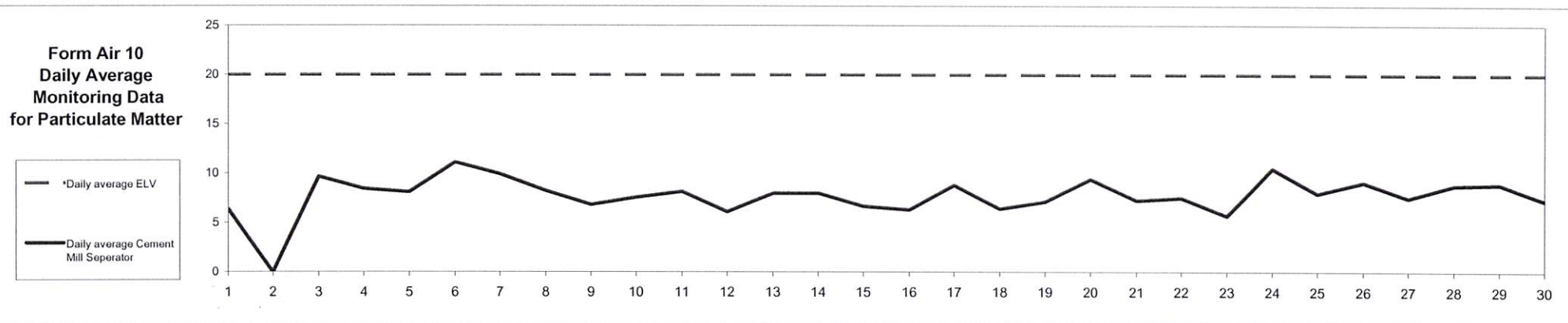
[Signature] 26/10/18

Permit Reference Number: BL3986ID

Operator: Tarmac Cement & Lime Ltd
Sep-18

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	11	Daily average Cement Mill Separator	6.37		9.65	8.44	8.11	11.11	9.93	8.24	6.82	7.56	8.15	6.10	7.98	7.99	6.68	6.31	8.78	6.42	7.13	9.40	7.27	7.51	5.69	10.48	7.95	9.08	7.50	8.77	8.88	7.27
	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 **25.10.2018**
(Authorised to sign as representative of Tarmac Cement & Lime Ltd)

Don 26/10/18