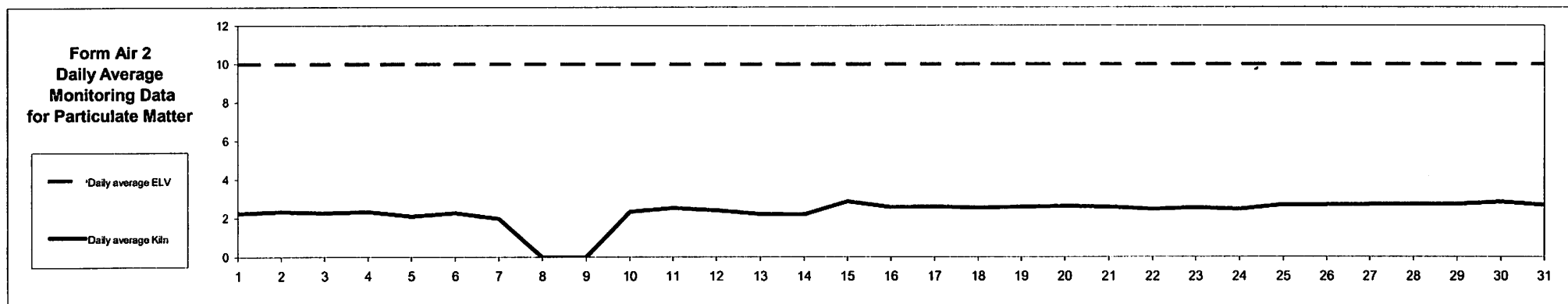


Permit Reference Number: BL3986ID

Operator: Tarmac Cement & Lime Ltd
May-18

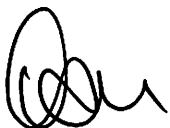
Installation: Aberthaw Works

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	31
			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
		3	Daily average Kiln	2.25	2.33	2.28	2.34	2.11	2.28	1.97			2.34	2.53	2.42	2.23	2.19	2.87	2.57	2.60	2.54	2.59	2.63	2.58	2.47	2.55	2.47	2.70	2.71	2.72	2.73	2.73	2.84	2.68
			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	Y
			Total invalid 1/2 hours																															
			Sum of exceedances																															

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

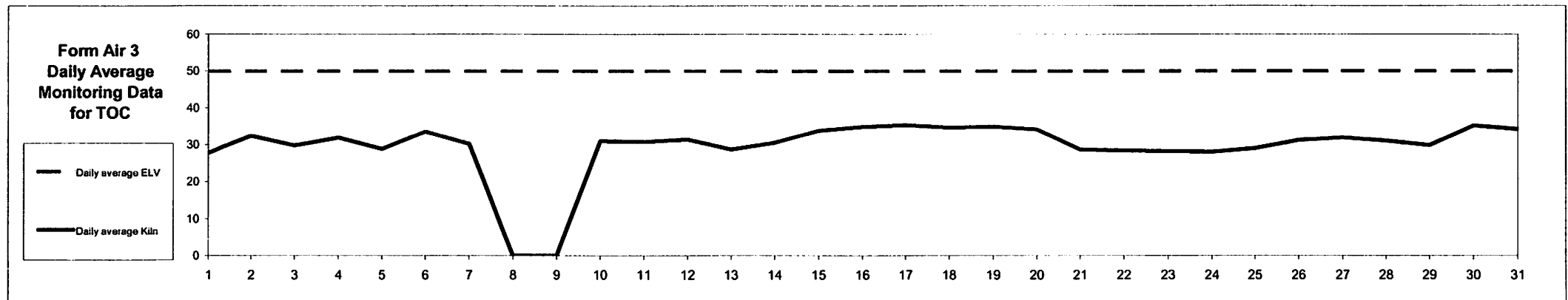
 24/7/18

Permit Reference Number: BL3986ID

Operator: Tarmac Cement & Lime Ltd
May-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	31	
			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	
	Monthly maximum	35	Daily average Kiln	27.8	32.4	29.8	31.9	28.9	33.6	30.3			31.0	30.8	31.4	28.7	30.6	33.8	34.9	35.4	34.6	35.0	34.1	28.7	28.4	28.2	28.0	29.0	31.2	31.9	31.0	29.8	35.2	34.2	
	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	N

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

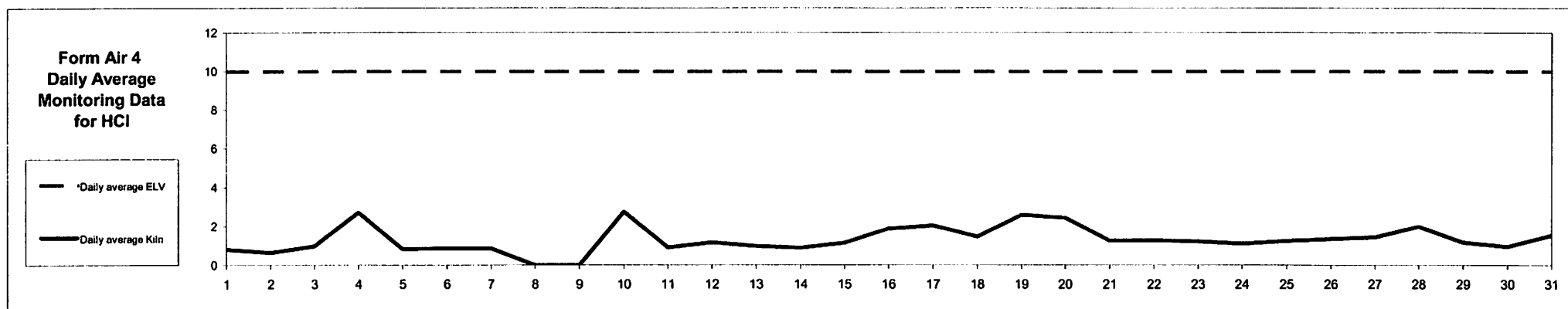
[Signature] 24/7/18

Permit Reference Number: BL3986iD

Operator: Tarmac Cement & Lime Ltd
May-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	31	
			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	3	Daily average Kiln	0.81	0.65	0.98	2.73	0.82	0.86	0.87			2.77	0.91	1.18	0.98	0.89	1.15	1.89	2.05	1.46	2.60	2.44	1.26	1.28	1.22	1.11	1.24	1.35	1.44	1.98	1.18	0.95	1.54	
	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	N

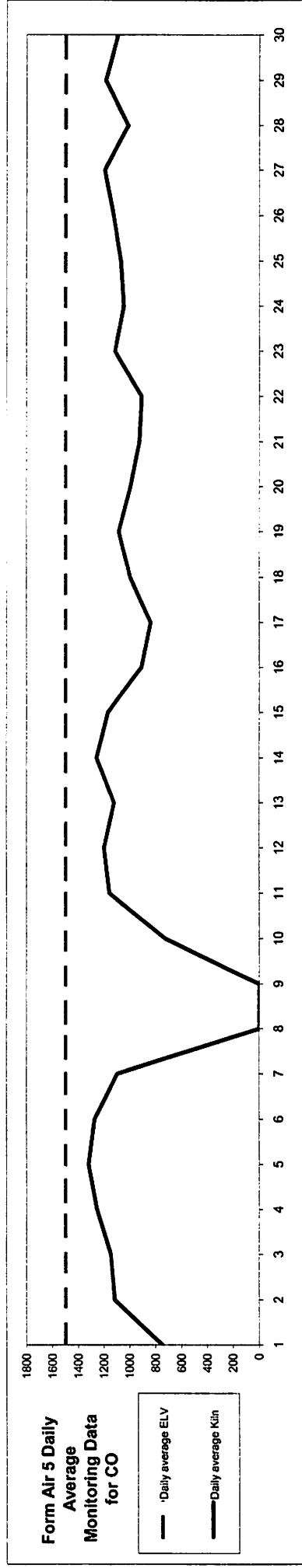
Signed **K.Bennett** Date **24.07.2018**
(Authorised to sign as representative of Tarmac Cement & Lime Ltd)

[Signature] 24/7/18

Operator: Tarmac Cement & Lime Ltd
May-18

Installation: Aberthaw Works

Kiln Report of Continuous Monitored Emissions (Emission Point A1)

[illegible]

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

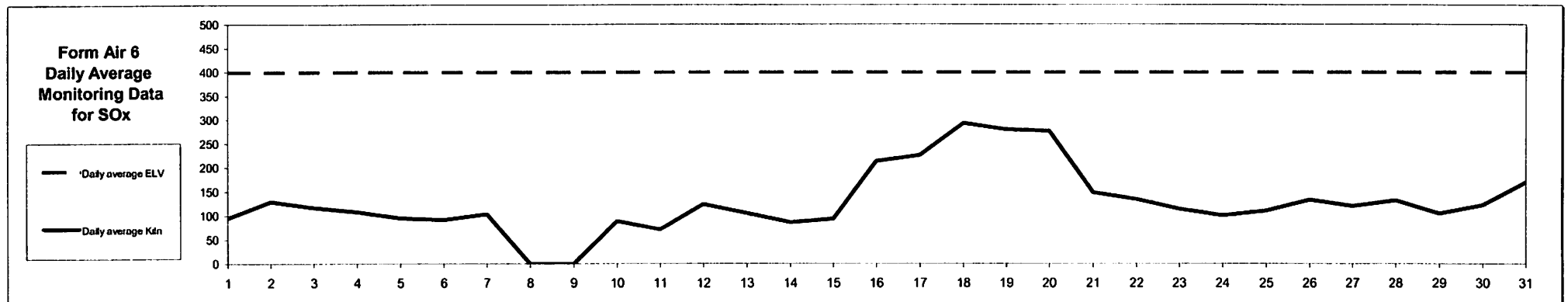
24/7/18

Permit Reference Number: BL3986ID

Operator: Tarmac Cement & Lime Ltd
May-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	31
Daily average		293	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	400
	Monthly maximum		Daily average KtIn	95	130	117	108	95	92	104			89	72	124	106	86	94	214	227	293	280	277	149	135	115	101	111	134	121	133	105	123	170
	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 **24.07.2018**
(Authorised to sign as representative of Tarmac Cement & Lime Ltd)

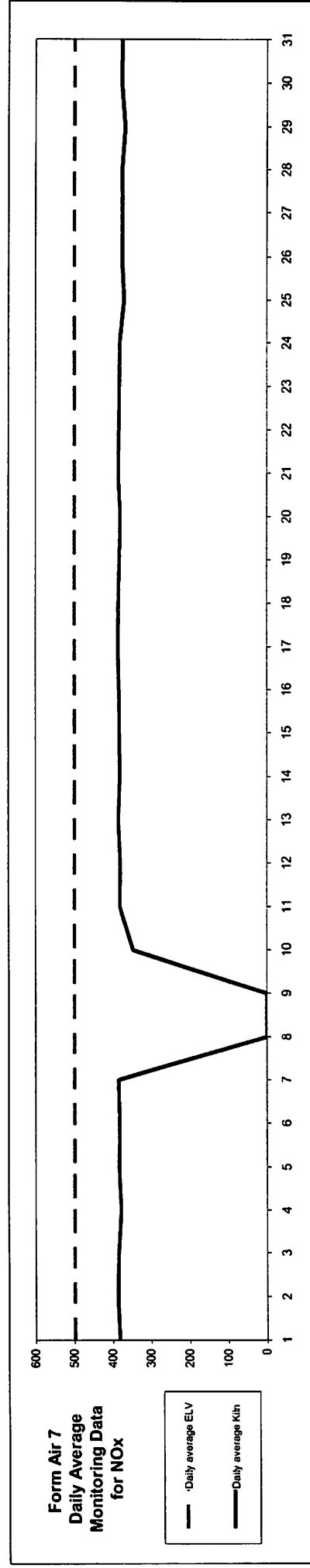
 24/7/18

Permit Reference Number: BL3986ID

Installation: Aberthaw Works

Operator: Tarmac Cement & Lime Ltd
May-18

Klin Report of Continuous Monitored Emissions (Emission Point A1)



Klin

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	31				
	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	500				
	Monthly maximum	388	382	388	385	378	383	382	384			346	381	380	384	381	382	383	386	384	382	379	385	384	382	381	370	371	374	373	375	367	376	374			
	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	Y				
Daily average																																					

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

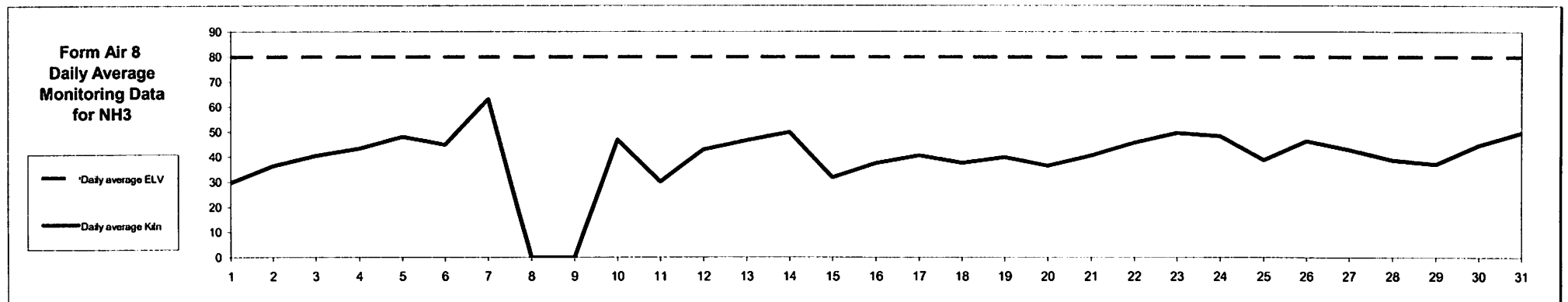
[Signature] 24/7/18

Permit Reference Number: BL3986ID

Operator: Tarmac Cement & Lime Ltd
May-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	31
			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	80
	Monthly maximum	63	Daily average Kiln	30	36	41	43	48	45	63	0	0	47	30	43	47	50	32	38	41	38	40	37	41	46	50	48	39	46	43	39	37	45	50
	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	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 **24.07.2018**
(Authorised to sign as representative of Tarmac Cement & Lime Ltd)

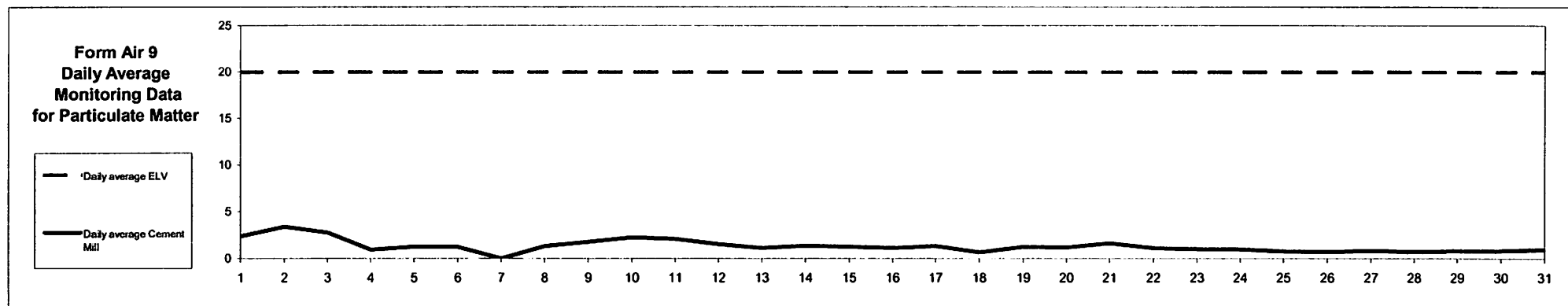
[Signature] 24/7/18

Permit Reference Number: BL39861D

Operator: Tarmac Cement & Lime Ltd
May-18

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	31
			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
		3	Daily average Cement Mill	2.38	3.39	2.78	0.95	1.26	1.23		1.32	1.79	2.26	2.09	1.53	1.13	1.36	1.26	1.14	1.34	0.68	1.26	1.22	1.65	1.14	1.03	1.00	0.79	0.74	0.86	0.73	0.83	0.83	0.97
			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	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)

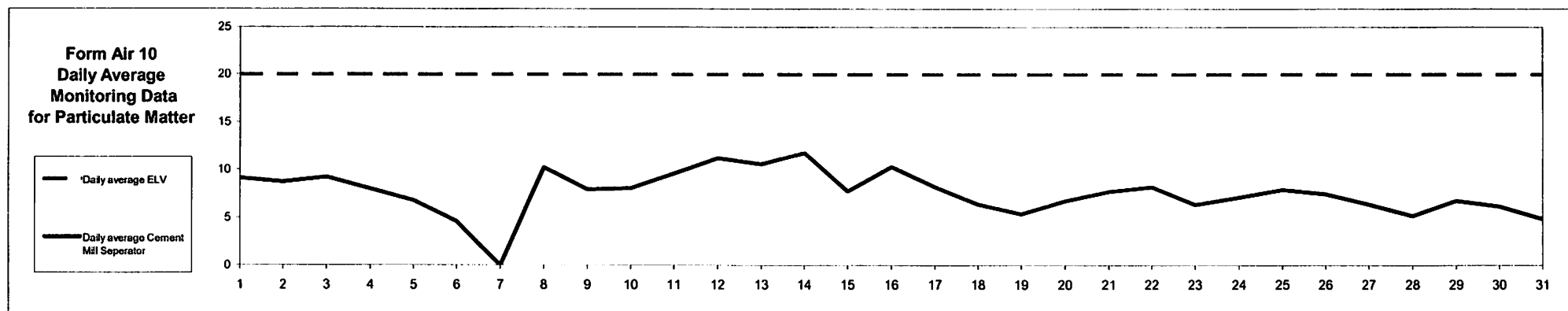
 24/7/18

Permit Reference Number: BL3986ID

Operator: Tarmac Cement & Lime Ltd
May-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	31
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	12	Daily average Cement Mill Separator	9.13	8.73	9.25	8.01	8.78	4.58		10.23	7.94	8.08	9.62	11.22	10.59	11.77	7.76	10.31	8.21	6.38	5.39	6.76	7.74	8.20	6.36	7.11	7.91	7.48	6.38	5.16	6.77	6.18	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	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 **24.07.2018**
(Authorised to sign as representative of Tarmac Cement & Lime Ltd)

 24/7/18