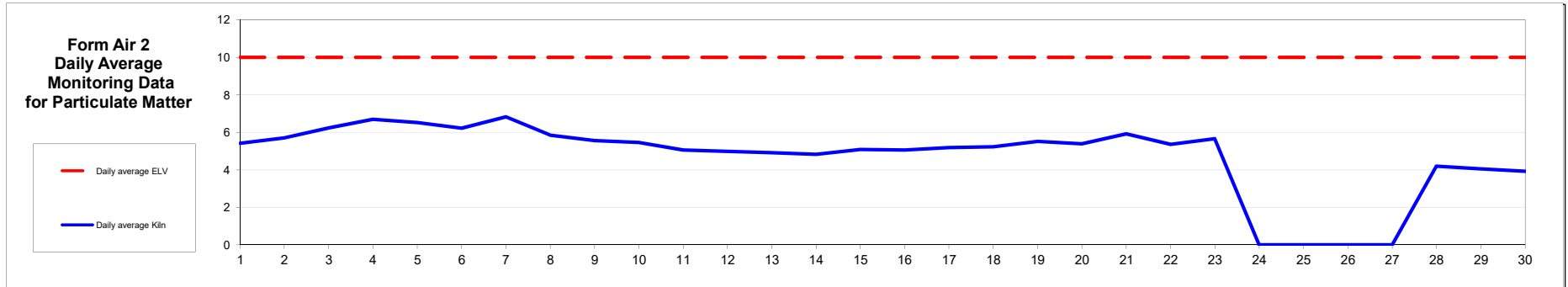


Permit Reference Number: BL3986ID

Operator: Tarmac Cement & Lime Ltd
Nov-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	10		
	Monthly maximum	7	Daily average Kiln	5.41	5.70	6.24	6.70	6.52	6.22	6.82	5.84	5.57	5.46	5.06	4.99	4.92	4.82	5.08	5.06	5.18	5.22	5.51	5.39	5.93	5.36	5.66					4.20	4.06	3.92			
	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	

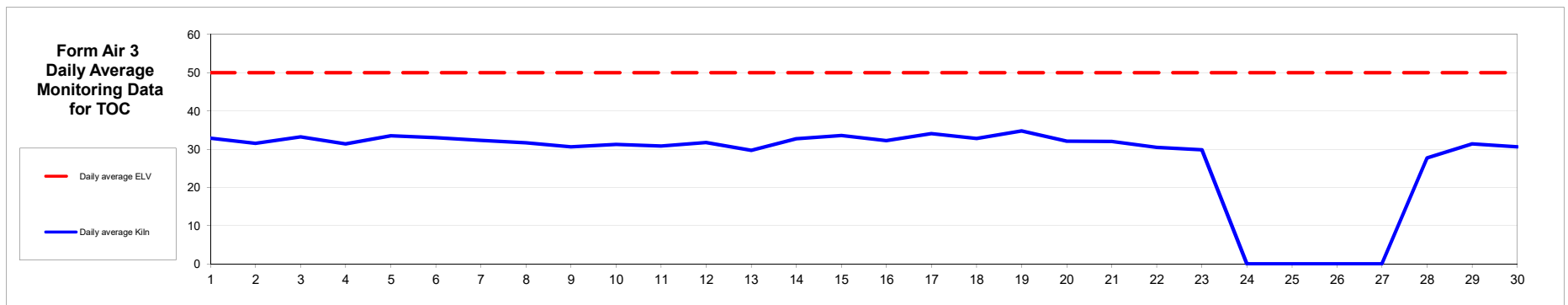
Signed **K.Bennett** Date **01.12.2019**
(Authorised to sign as representative of Tarmac Cement & Lime Ltd)

Permit Reference Number: BL3986ID

Operator: Tarmac Cement & Lime Ltd
Nov-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		35	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	50		
	Monthly maximum		Daily average KIn	32.9	31.5	33.2	31.4	33.5	33.0	32.3	31.7	30.6	31.3	30.8	31.7	29.7	32.7	33.6	32.2	34.1	32.8	34.8	32.1	32.0	30.5	29.8							27.7	31.4	30.6		
	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	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	N	

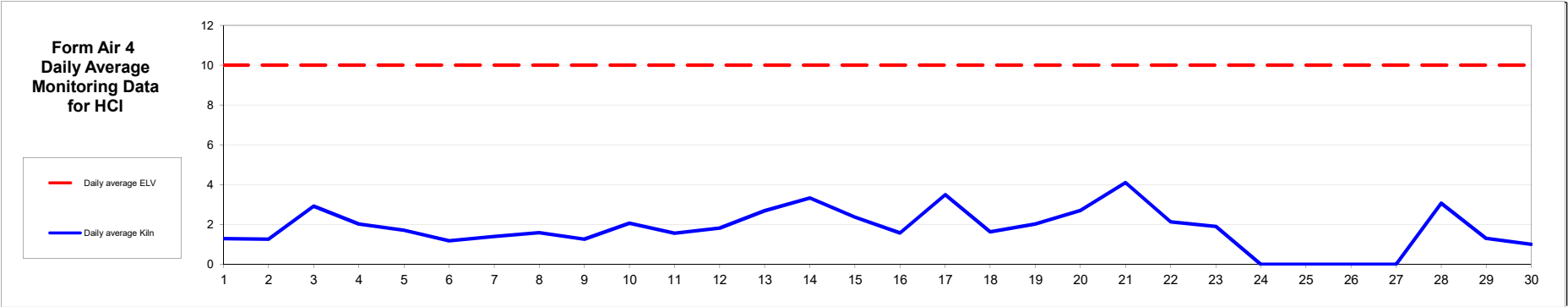
Signed **K.Bennett** Date **01.12.2019**
(Authorised to sign as representative of Tarmac Cement & Lime Ltd)

Permit Reference Number: BL3986ID

Operator: Tarmac Cement & Lime Ltd
Nov-19

Installation: Aberthaw Works

Kiln Report of Continuous Monitored Emissions from Kiln 4 (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	4	Daily average Kiln	1.29	1.27	2.92	2.02	1.71	1.18	1.39	1.59	1.26	2.06	1.56	1.81	2.69	3.33	2.36	1.57	3.48	1.63	2.02	2.70	4.11	2.13	1.89					3.06	1.30	1.00	
	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	

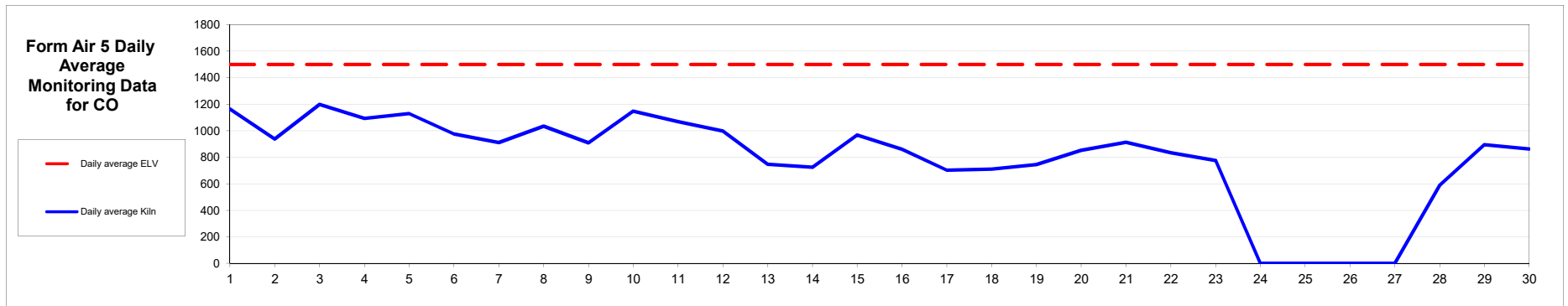
Signed K.Bennett Date 01.12.2019
(Authorised to sign as representative of Tarmac Cement & Lime Ltd)

Permit Reference Number: BL3986ID

Operator: Tarmac Cement & Lime Ltd
Nov-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	1197	Daily average Kiln	1164	938	1197	1094	1128	974	912	1034	909	1147	1069	998	747	726	967	861	703	710	745	853	912	834	775				1500	1500	1500	1500		
	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	N

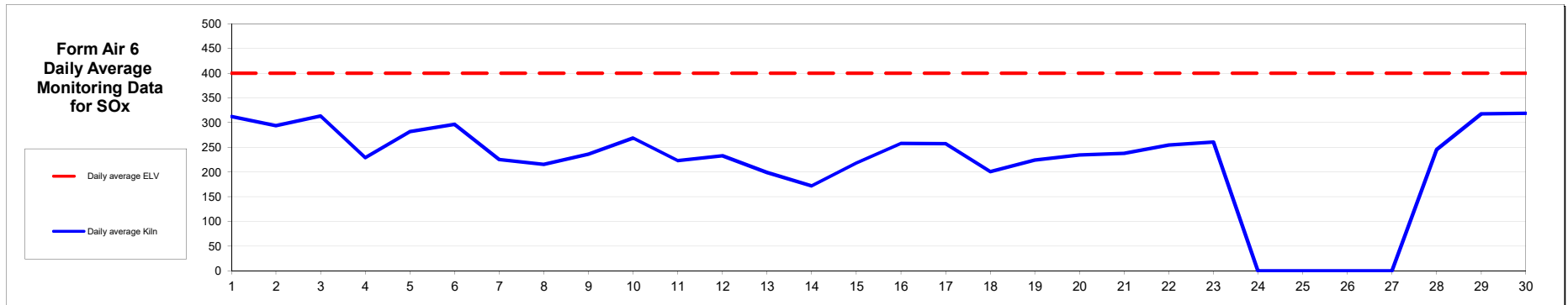
Signed **K.Bennett** Date 01.12.2019
(Authorised to sign as representative of Tarmac Cement & Lime Ltd)

Permit Reference Number: BL3986ID

Operator: Tarmac Cement & Lime Ltd
Nov-19

Installation: Aberthaw Works

Kiln Report of Continuous Monitored Emissions (Emission Point A1)



Kiln

Monthly summary			Date		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		319	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 Kiln	312	294	313	229	282	296	225	216	236	269	223	233	199	172	218	258	257	200	224	234	238	255	260					245	318	319		
	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	

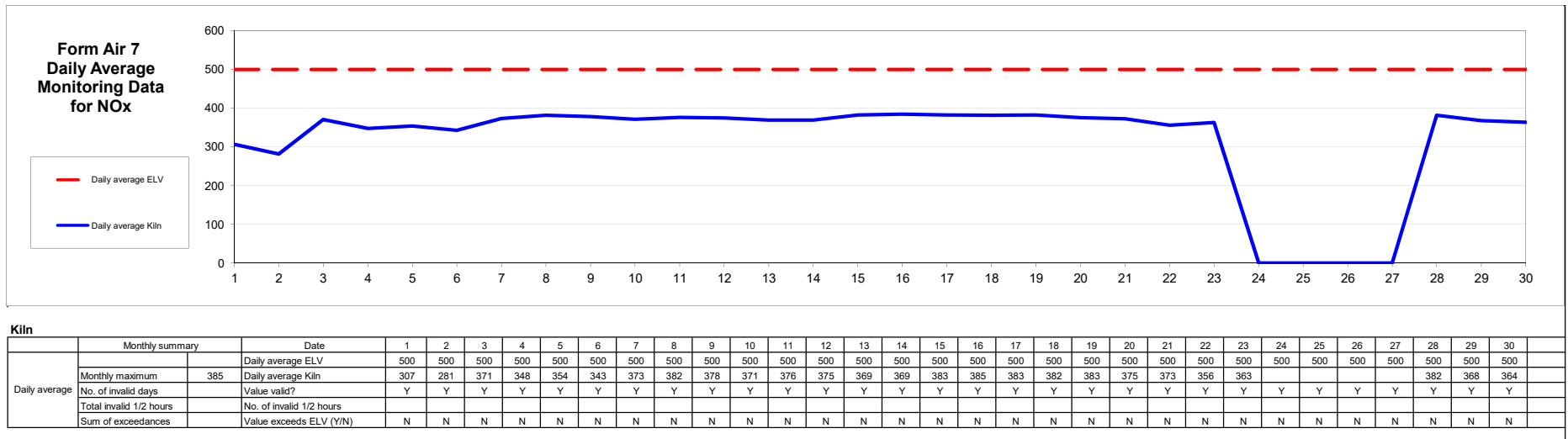
Signed **K.Bennett** Date 01.12.2019
(Authorised to sign as representative of Tarmac Cement & Lime Ltd)

Permit Reference Number: BL3986ID

Operator: Tarmac Cement & Lime Ltd
Nov-19

Installation: Aberthaw Works

Kiln Report of Continuous Monitored Emissions (Emission Point A1)



Signed **K.Bennett** Date 01.12.2019
(Authorised to sign as representative of Tarmac Cement & Lime Ltd)

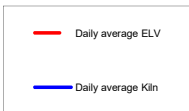
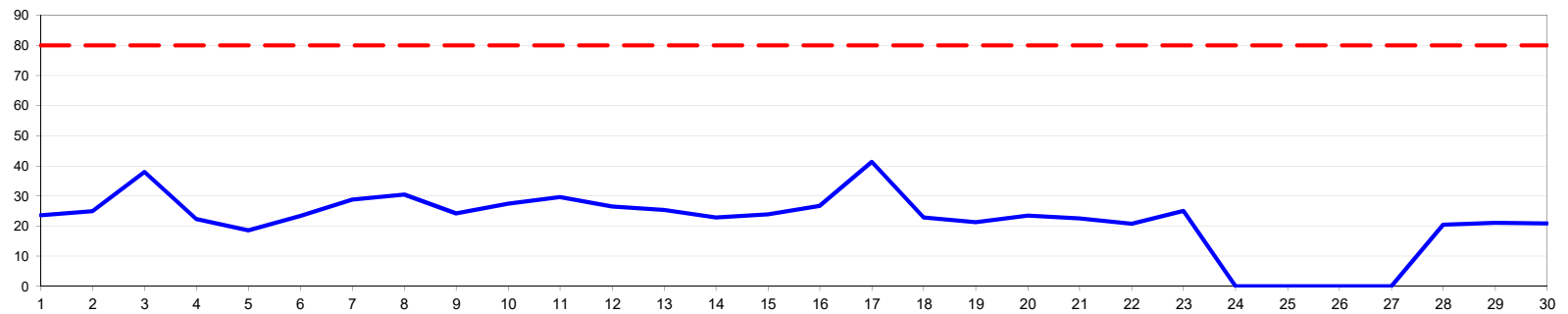
Permit Reference Number: BL3986ID

Operator: Tarmac Cement & Lime Ltd
Nov-19

Installation: Aberthaw Works

Kiln Report of Continuous Monitored Emissions (Emission Point A1)

**Form Air 8
Daily Average
Monitoring Data
for NH3**



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	41	Daily average Kiln	24	25	38	22	19	23	29	30	24	27	30	27	25	23	24	27	41	23	21	23	23	21	25					20	21	21	
	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

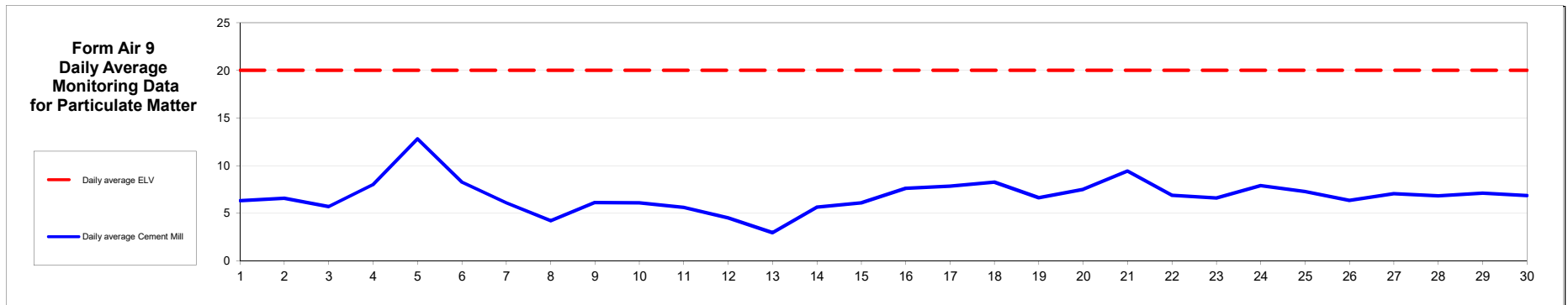
Signed **K.Bennett** Date 01.12.2019
(Authorised to sign as representative of Tarmac Cement & Lime Ltd)

Permit Reference Number: BL3986ID

Operator: Tarmac Cement & Lime Ltd
Nov-19

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	13	Daily average Cement Mill	6.33	6.58	5.70	8.00	12.81	8.26	6.10	4.20	6.12	6.10	5.63	4.52	2.96	5.64	6.11	7.62	7.84	8.27	6.64	7.52	9.43	6.90	6.59	7.90	7.29	6.36	7.06	6.84	7.11	6.87	
	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	

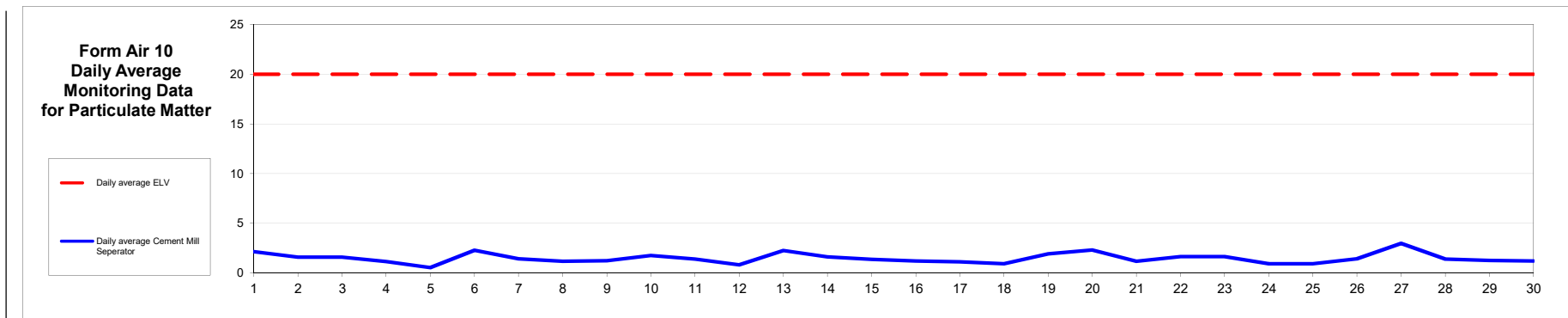
Signed **A. Cachaco** Date 12/12/2019
(Authorised to sign as representative of Tarmac Cement & Lime Ltd)

Permit Reference Number: BL3986ID

Operator: Tarmac Cement & Lime Ltd
Nov-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	2.14	1.57	1.57	1.13	0.54	2.27	1.43	1.16	1.22	1.75	1.39	0.80	2.25	1.60	1.35	1.19	1.11	0.92	1.92	2.29	1.17	1.63	1.63	0.92	0.92	1.43	2.95	1.39	1.25	1.20
	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 **A. Cachaco** Date 12/12/2019
(Authorised to sign as representative of Tarmac Cement & Lime Ltd)