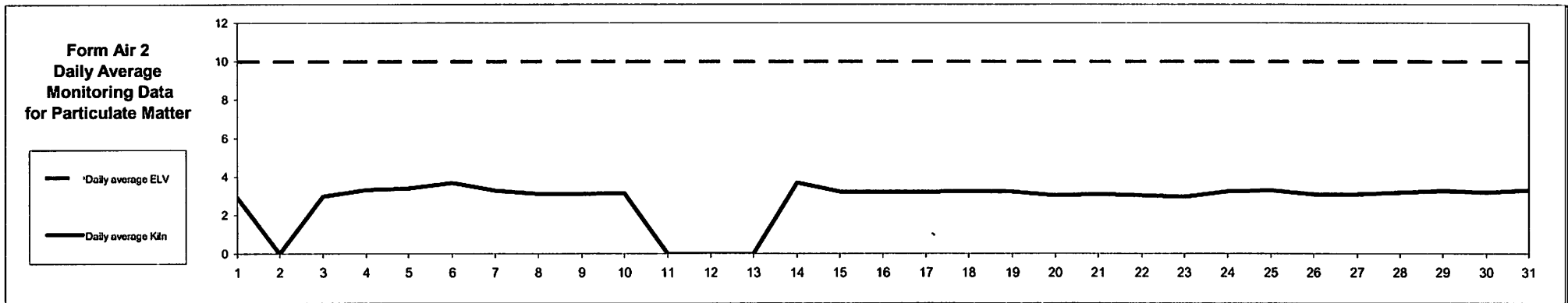


Permit Reference Number: BL39861D

Operator: Tarmac Cement & Lime Ltd
Dec-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				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	4	Daily average Kiln	2.92		2.99	3.33	3.40	3.68	3.29	3.11	3.12	3.15				3.69	3.23	3.24	3.22	3.26	3.23	3.05	3.10	3.03	2.95	3.24	3.30	3.09	3.09	3.18	3.27	3.20	3.31
		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

Signed K.Bennett Date 07.01.2019
(Authorised to sign as representative of Tarmac Cement & Lime Ltd)

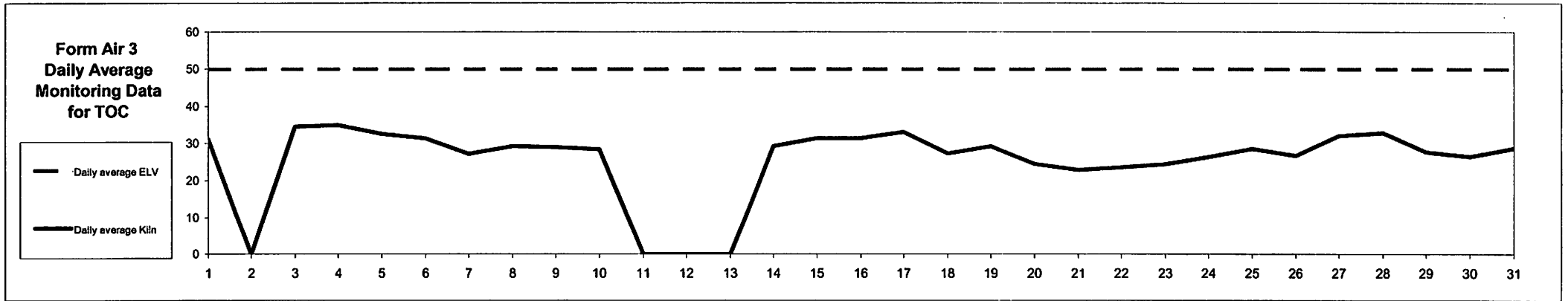
28/1/19.

Permit Reference Number: BL3986ID

Operator: Tarmac Cement & Lime Ltd
Dec-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			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	31.1		34.5	34.9	32.6	31.4	27.2	29.2	29.0	26.4				29.2	31.4	31.4	33.0	27.3	29.2	24.5	22.9	23.6	24.4	26.3	26.6	26.6	32.1	32.8	27.7	26.5	28.7	
	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	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 **07.01.2019**
(Authorised to sign as representative of Tarmac Cement & Lime Ltd)

Qser 28/1/19.

Permit Reference Number: BL3986ID

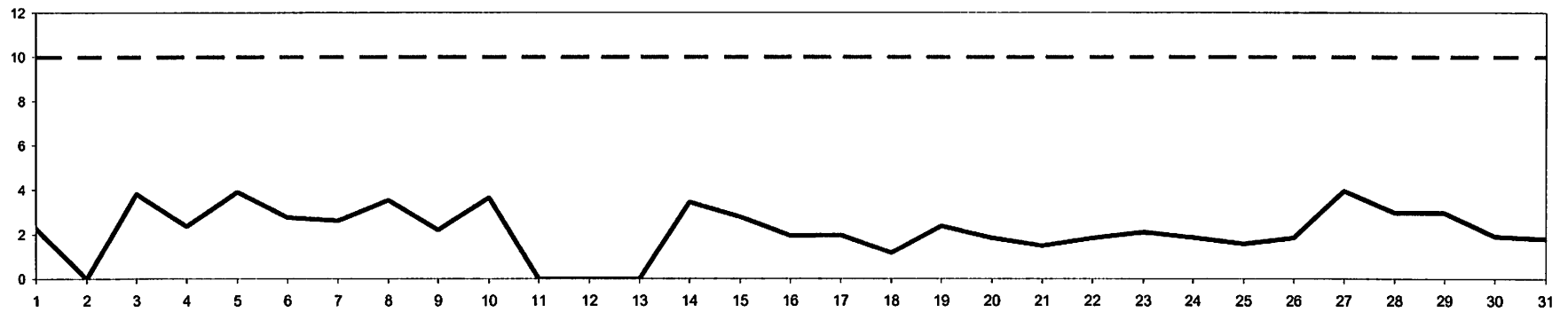
Operator: Tarmac Cement & Lime Ltd
Dec-18

Installation: Aberthaw Works

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

**Form Air 4
Daily Average
Monitoring Data
for HCl**

— *Daily average ELV
— Daily average Kiln



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	4	Daily average Kiln	2.27		3.83	2.37	3.91	2.78	2.62	3.54	2.20	3.66				3.46	2.79	1.94	1.97	1.17	2.38	1.84	1.51	1.85	2.12	1.87	1.60	1.86	3.96	2.97	2.97	1.92	1.81
	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 **07.01.2019**
(Authorised to sign as representative of Tarmac Cement & Lime Ltd)

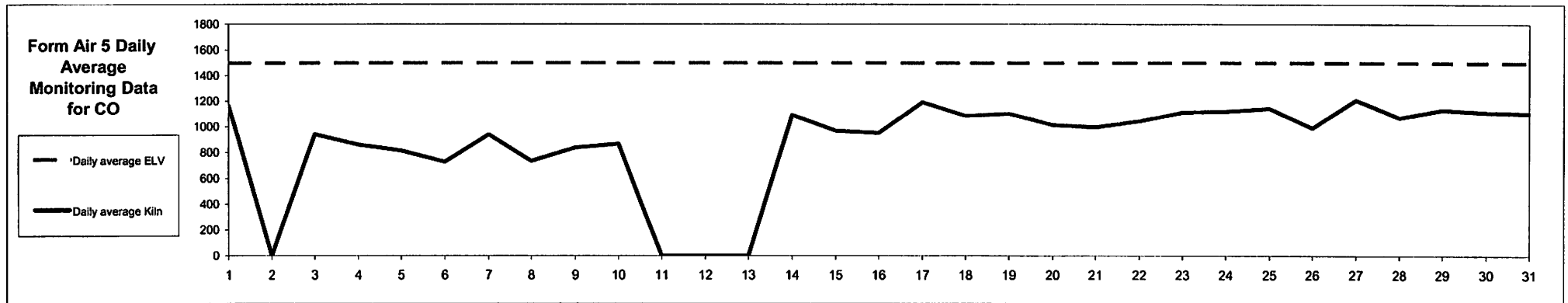
[Signature] 28/1/19.

Permit Reference Number: BL3986ID

Operator: Tarmac Cement & Lime Ltd
Dec-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	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	1500		
	Monthly maximum	1210	Daily average Kiln	1163			941	882	816	728	940	734	839	867				1093	969	953	1193	1087	1104	1015	998	1046	1114	1122	1145	991	1210	1071	1134	1114	1106	
	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 **07.01.2019**
(Authorised to sign as representative of Tarmac Cement & Lime Ltd)

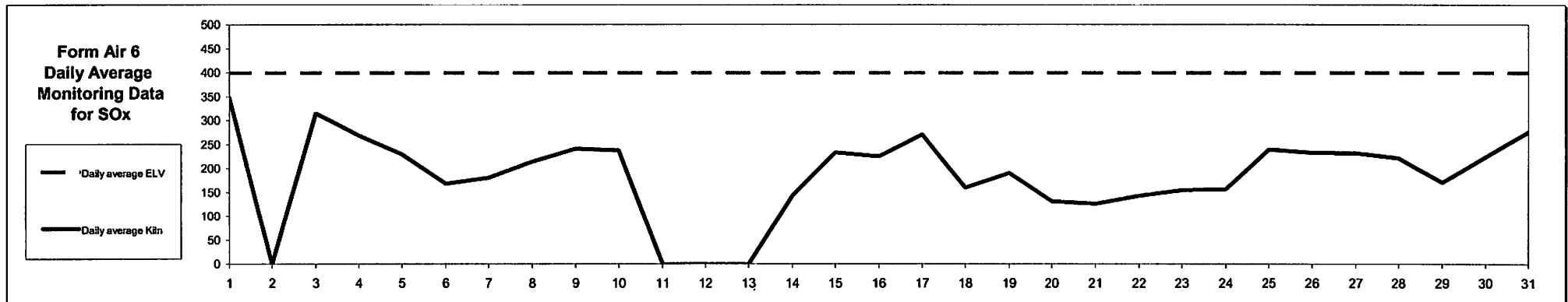
Don 28/1/19

Permit Reference Number: BL3986ID

Operator: Tarmac Cement & Lime Ltd
Dec-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	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	348		315	289	230	168	181	215	242	238				143	233	225	271	160	191	131	127	143	155	157	240	233	232	222	171	224	276
		No. of invalid days																															
		Total invalid 1/2 hours																															
		Sum of exceedances																															

Signed **K.Bennett** Date **07.01.2019**
(Authorised to sign as representative of Tarmac Cement & Lime Ltd)

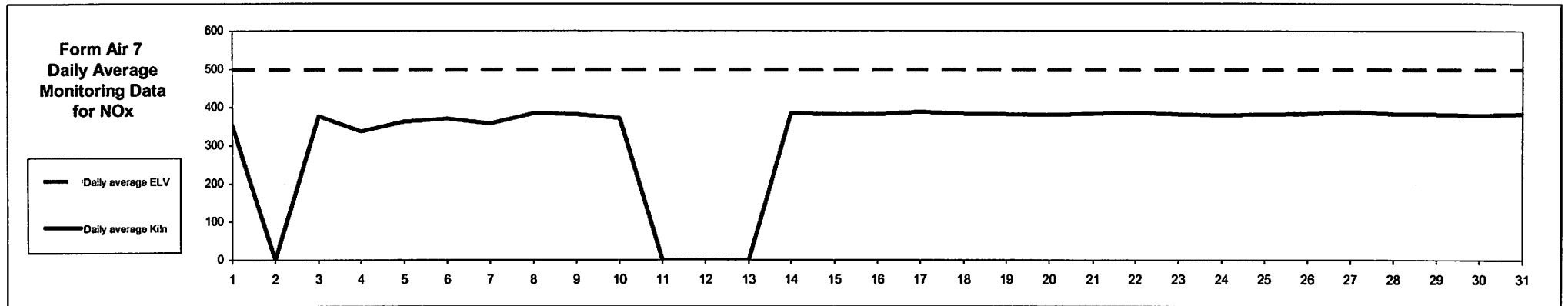
Don 28/1/19.

Permit Reference Number: BL3986ID

Operator: Tarmac Cement & Lime Ltd
Dec-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			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	Daily average Kiln	353		378	337	363	370	358	385	382	372				385	382	382	388	383	382	381	383	388	382	380	382	383	388	383	382	380	383
	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 **07.01.2019**
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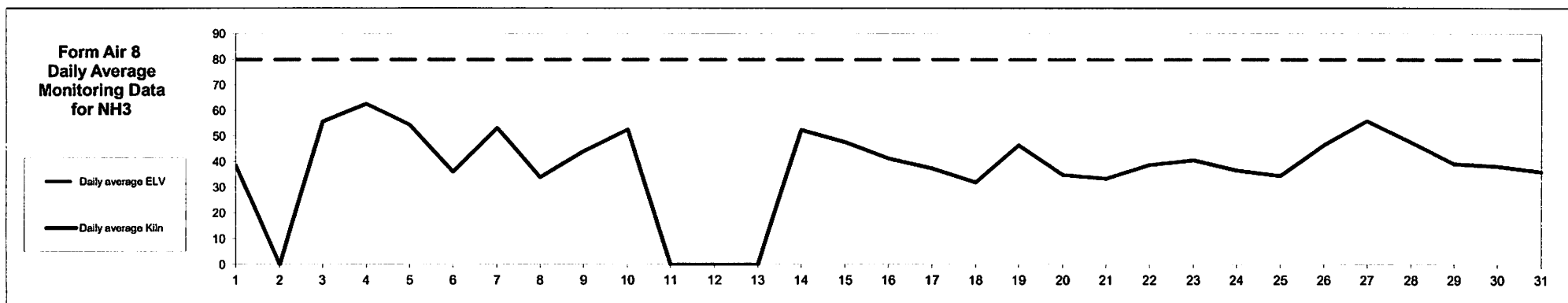
Don 28/1/19

Permit Reference Number: BL3986ID

Operator: Tarmac Cement & Lime Ltd
Dec-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			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	38	0	56	63	54	36	53	34	44	53	0	0	0	52	48	41	37	32	46	35	33	39	41	37	34	46	56	48	39	38	36
	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	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

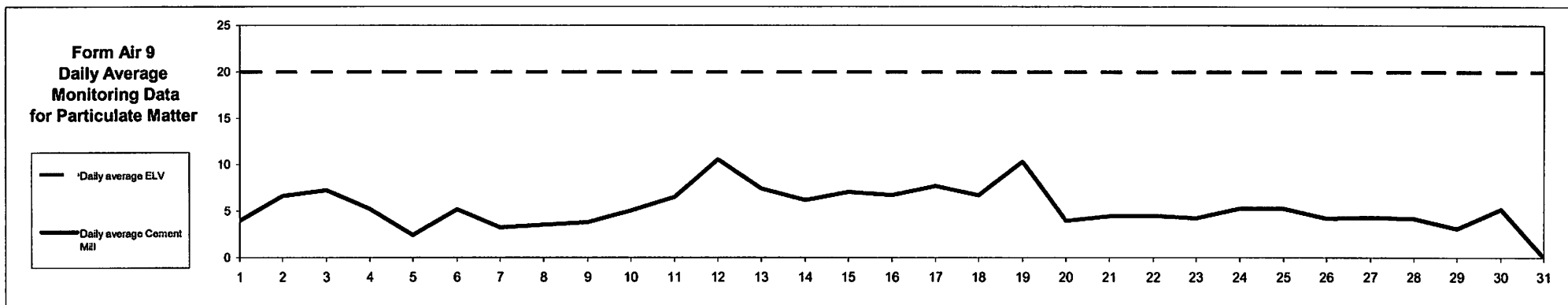
Signed **K.Bennett** Date **07.01.2019**
(Authorised to sign as representative of Tarmac Cement & Lime Ltd)

Permit Reference Number: BL3986ID

Operator: Tarmac Cement & Lime Ltd
Dec-18

Installation: Aberthaw Works

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



Cement Mill				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	Monthly summary																																		
				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	11		Daily average Cement Mill	3.99	6.63	7.24	5.22	2.46	5.20	3.27	3.54	3.81	5.08	6.51	10.55	7.42	6.19	7.06	6.73	7.71	6.71	10.31	3.98	4.47	4.53	4.25	5.31	5.28	4.24	4.34	4.20	3.11	5.20	0.06
	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

Signed K.Bennett Date 07.01.2019
(Authorised to sign as representative of Tarmac Cement & Lime Ltd)

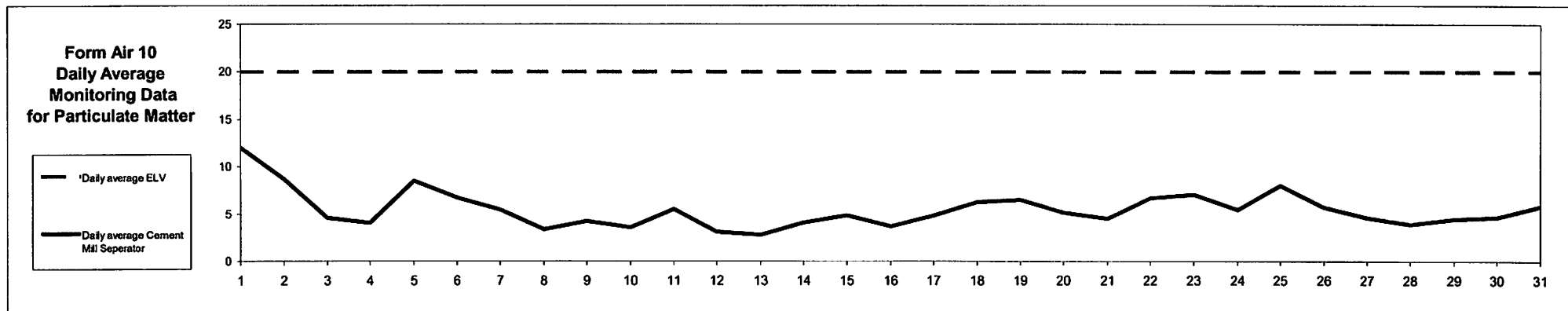
Qa 28/1/19.

Permit Reference Number: BL3986ID

Operator: Tarmac Cement & Lime Ltd
Dec-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	12.05	8.70	4.61	4.10	8.54	6.75	5.50	3.40	4.28	3.81	5.55	3.13	2.82	4.11	4.88	3.73	4.87	8.28	8.51	5.17	4.55	6.71	7.07	5.45	8.02	5.72	4.82	3.93	4.48	4.88	5.83
	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 **07.01.2019**
(Authorised to sign as representative of Tarmac Cement & Lime Ltd)

Don 28/1/19