

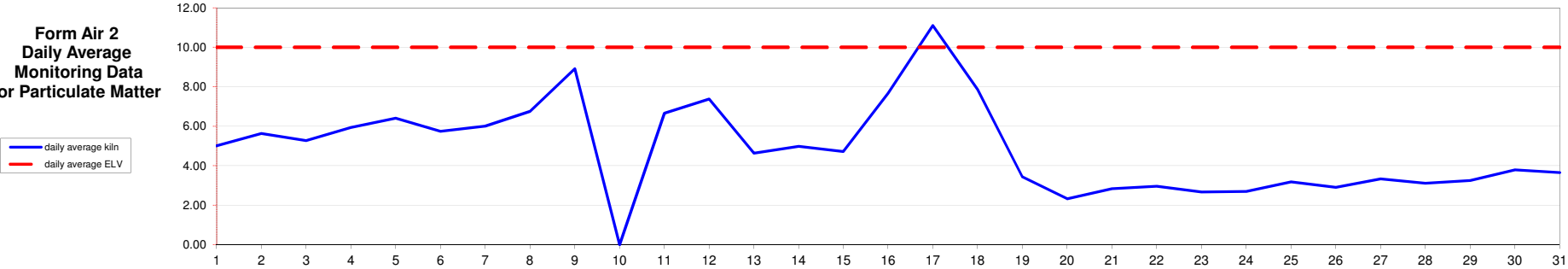
Permit Reference Number: BL3986ID

Operator: Tarmac Cement & Lime Ltd
Aug-20

Installation: Aberthaw Works

Kiln Report of Continuous Monitored Emissions (Emission Point A1)

Form Air 2
Daily Average
Monitoring Data
for Particulate Matter



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	10	10	10
	Monthly maximum	11	Daily average Kiln	5.02	5.64	5.28	5.94	6.42	5.75	6.00	6.76	8.91	0.00	6.67	7.38	4.64	4.99	4.73	7.67	11.11	7.86	3.43	2.32	2.84	2.96	2.67	2.69	3.18	2.90	3.34	3.12	3.25	3.80	3.65			
	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	Y	
	Total invalid 1/2 hours	0	No. of invalid 1/2 hours	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	Sum of exceedances	1	Value exceeds ELV (Y/N)	N	N	N	N	N	N	N	N	N	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

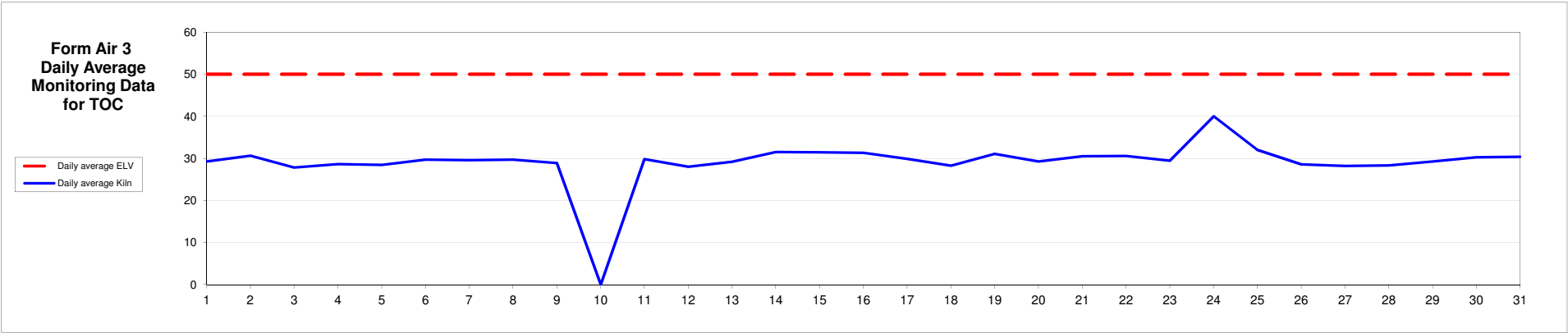
Signed P Firth Date 01/09/2020
(Authorised to sign as representative of Tarmac Cement & Lime Ltd)

Permit Reference Number: BL3986ID

Operator: Tarmac Cement & Lime Ltd
Aug-20

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	40	Daily average Kiln	29.3	30.7	27.8	28.7	28.4	29.7	29.6	29.7	28.9	0.0	29.8	28.1	29.2	31.6	31.5	31.3	29.9	28.3	31.1	29.3	30.5	30.6	29.5	40.0	32.0	28.6	28.2	28.4	29.3	30.3	30.4	
	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	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	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	N

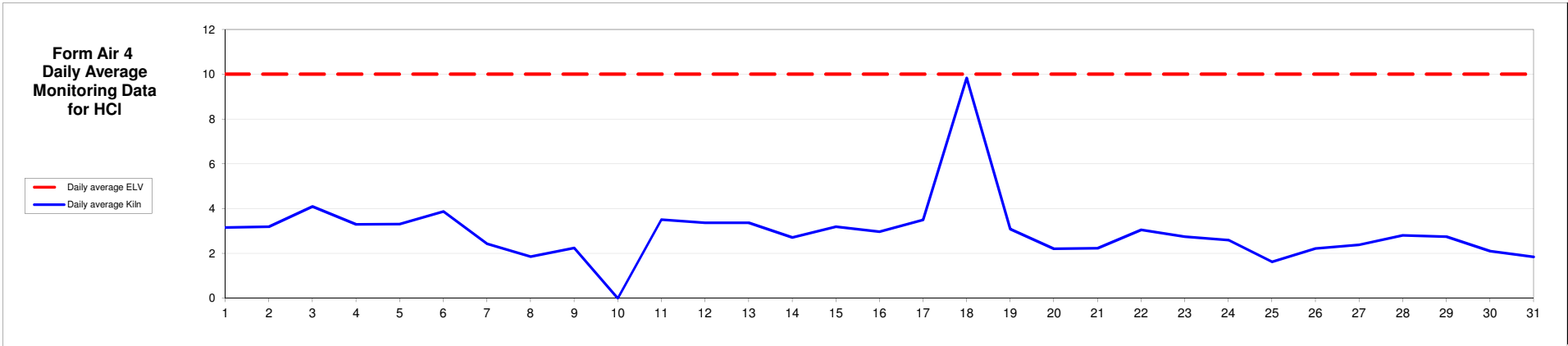
Signed P Firth Date 01/09/2020
(Authorised to sign as representative of Tarmac Cement & Lime Ltd)

Permit Reference Number: BL3986ID

Operator: Tarmac Cement & Lime Ltd
Aug-20

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	
	Monthly maximum	10	Daily average Kiln	3.16	3.20	4.10	3.30	3.32	3.88	2.43	1.86	2.25	0.00	3.52	3.37	3.37	2.72	3.20	2.97	3.51	9.84	3.09	2.22	2.23	3.06	2.75	2.60	1.63	2.23	2.39	2.81	2.75	2.11	1.85	
	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	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	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	N

Signed P Firth Date 01/09/2020
(Authorised to sign as representative of Tarmac Cement & Lime Ltd)

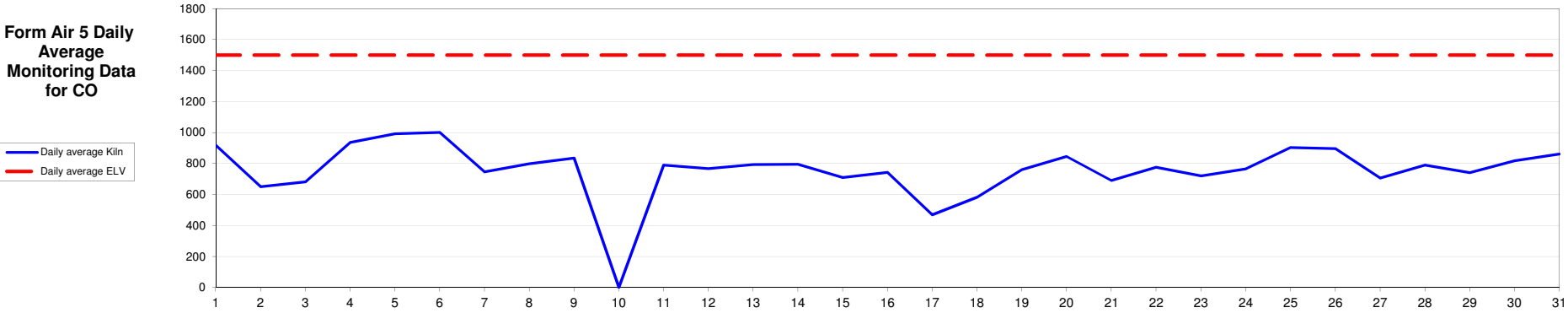
Permit Reference Number: BL3986ID

Operator: Tarmac Cement & Lime Ltd
Aug-20

Installation: Aberthaw Works

Kiln Report of Continuous Monitored Emissions (Emission Point A1)

Form Air 5 Daily
Average
Monitoring Data
for CO



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	
		1001	Daily average Kiln	919	650	682	937	993	1001	747	799	836	0	790	767	794	796	711	744	469	584	761	846	690	777	720	765	903	896	706	790	741	817	862	
			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	
		1	No. of invalid 1/2 hours	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	N

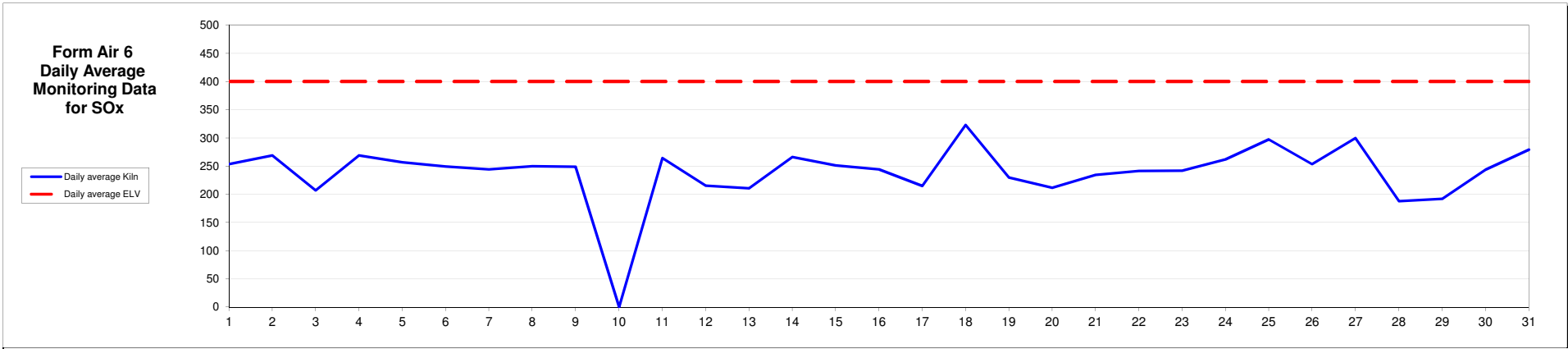
Signed P Firth Date 01/09/2020
(Authorised to sign as representative of Tarmac Cement & Lime Ltd)

Permit Reference Number: BL3986ID

Operator: Tarmac Cement & Lime Ltd
Aug-20

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	323	Daily average Kiln	253	269	207	269	257	249	244	250	249	0	264	216	211	266	251	245	215	323	230	212	234	242	242	262	297	254	300	188	192	244	279	
	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	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	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	N

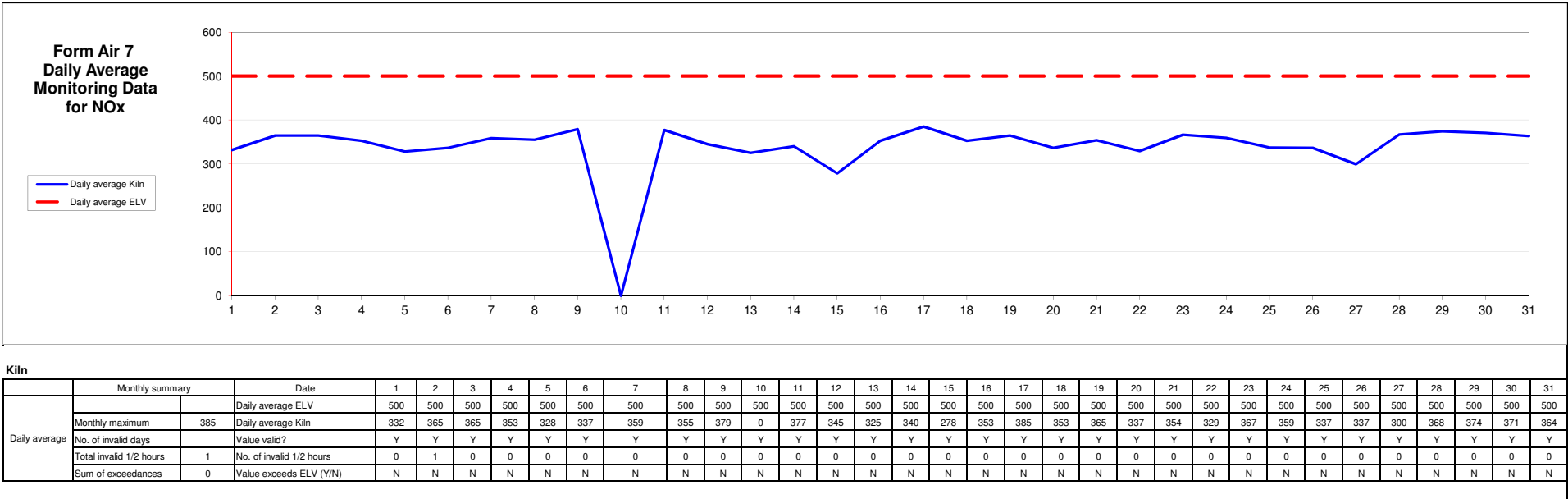
Signed P Firth Date 01/09/2020
(Authorised to sign as representative of Tarmac Cement & Lime Ltd)

Permit Reference Number: BL3986ID

Operator: Tarmac Cement & Lime Ltd
Aug-20

Installation: Aberthaw Works

Kiln Report of Continuous Monitored Emissions (Emission Point A1)



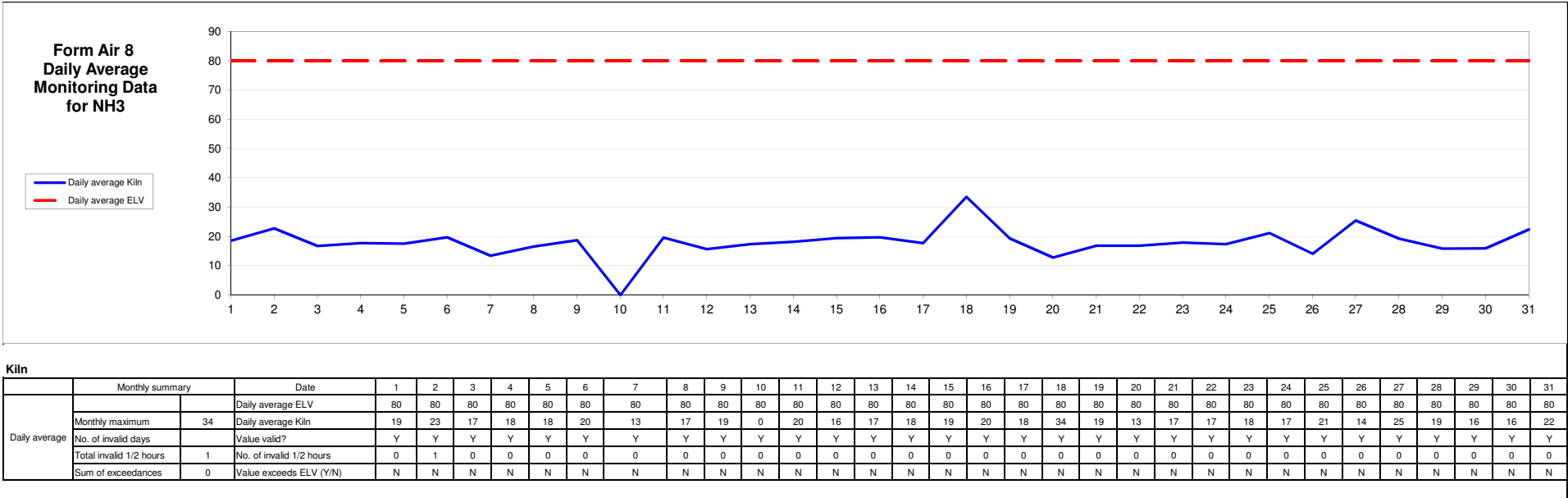
Signed P Firth Date 01/09/2020
(Authorised to sign as representative of Tarmac Cement & Lime Ltd)

Permit Reference Number: BL3986ID

Operator: Tarmac Cement & Lime Ltd
Aug-20

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		
	Monthly maximum	34	Daily average Kiln	19	23	17	18	18	20	13	17	19	0	20	16	17	18	19	20	18	34	19	13	17	17	18	17	21	14	25	19	16	16	22
	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	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	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	

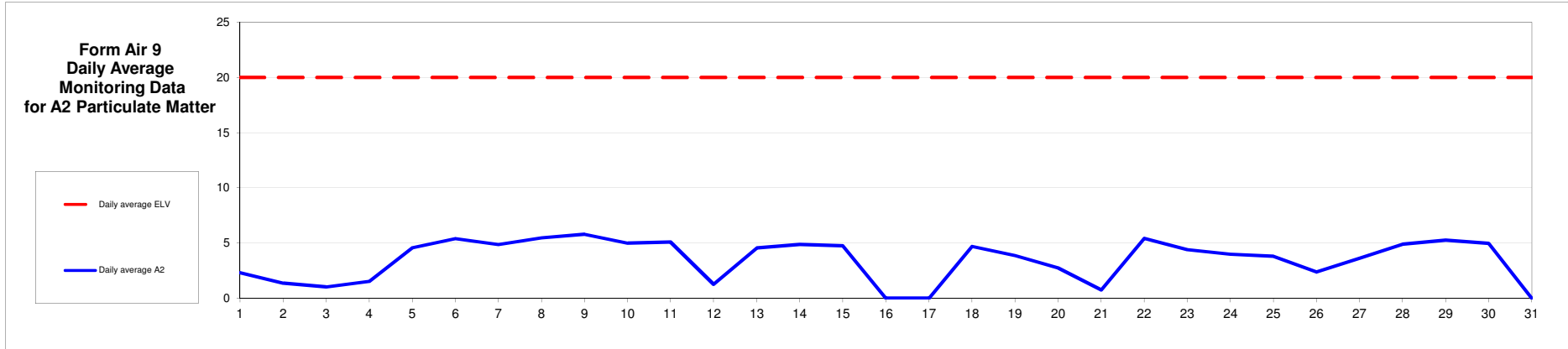
Signed P Firth Date 01/09/2020
(Authorised to sign as representative of Tarmac Cement & Lime Ltd)

Permit Reference Number: BL3986ID

Operator: Tarmac Cement & Lime Ltd
Aug-20

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	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	0.00	Daily average A2	2.32	1.37	1.03	1.54	4.58	5.42	4.86	5.49	5.79	5.00	5.08	1.28	4.56	4.86	4.76	0.00	0.00	4.71	3.88	2.75	0.77	5.44	4.42	3.99	3.79	2.39	3.63	4.90	5.25	4.96	0.00
	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	0	No. of invalid 1/2 hours	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	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

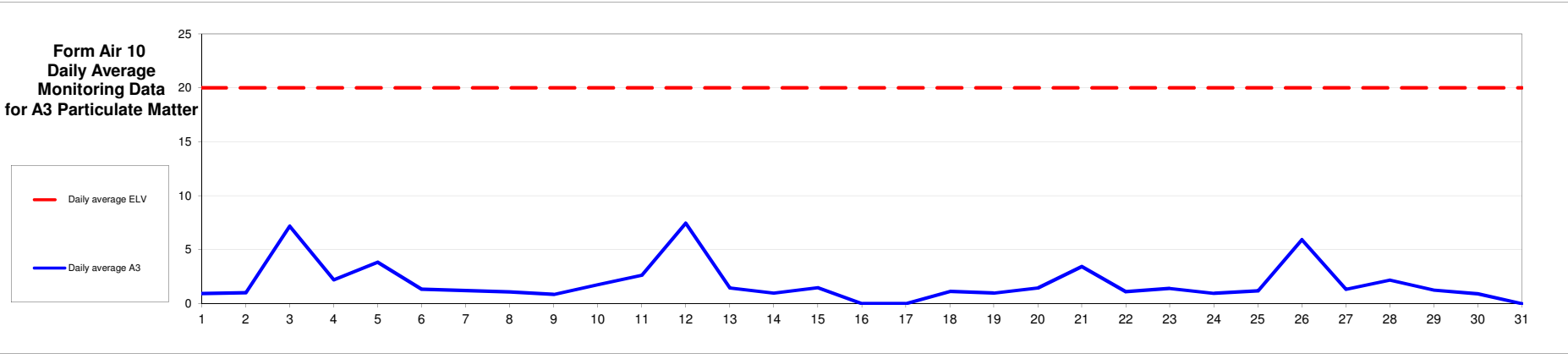
Signed **Paul Firth** Date **01/09/2020**
(Authorised to sign as representative of Tarmac Cement & Lime Ltd)

Permit Reference Number: BL3986ID

Operator: Tarmac Cement & Lime Ltd
Aug-20

Installation: Aberthaw Works

Cement Mill Report of Continuous Monitored Emissions (Emission Point A3)



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
		0.00	Daily average A3	0.93	1.00	7.17	2.20	3.83	1.32	1.21	1.09	0.84	1.76	2.64	7.47	1.44	0.99	1.48	0.00	0.00	1.11	0.97	1.44	3.44	1.10	1.40	0.95	1.16	5.92	1.32	2.19	1.26	0.90	0.00
			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
		1	Total invalid 1/2 hours	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	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	N	N

Signed Paul Firth Date 01/09/2020
(Authorised to sign as representative of Tarmac Cement & Lime Ltd)