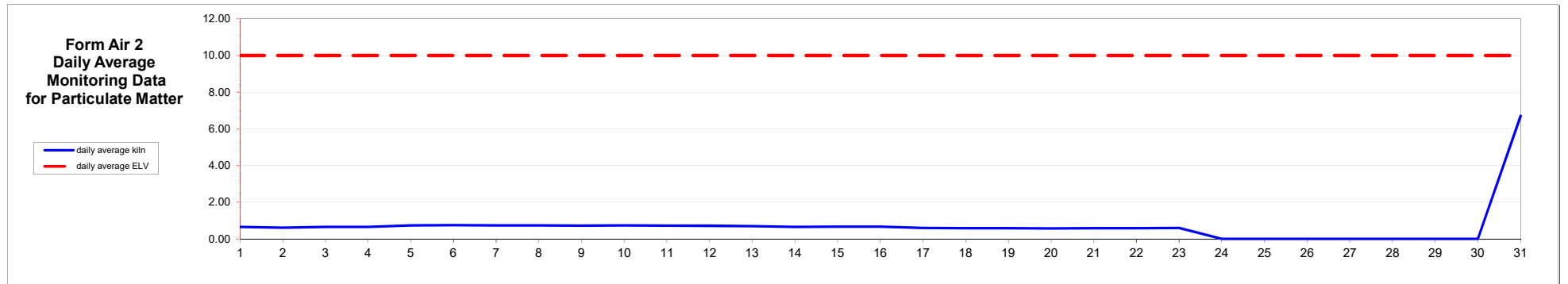


Permit Reference Number: BL3986ID

Operator: Tarmac Cement & Lime Ltd
Oct-21

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	10
	Monthly maximum	7	Daily average Kiln	0.65	0.61	0.65	0.66	0.74	0.75	0.74	0.74	0.72	0.73	0.72	0.72	0.70	0.66	0.67	0.67	0.61	0.58	0.59	0.57	0.58	0.58	0.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.72	
	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	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	
	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

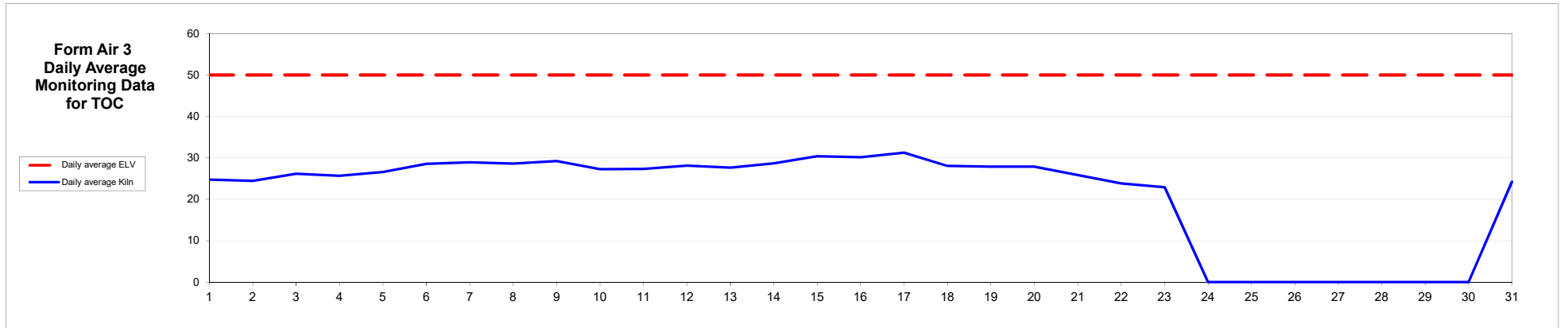
Signed **Paul Firth** Date 08/11/2021
(Authorised to sign as representative of Tarmac Cement & Lime Ltd)

Permit Reference Number: BL3986ID

Operator: Tarmac Cement & Lime Ltd
Oct-21

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	
	Monthly maximum	31	Daily average Kiln	24.8	24.5	26.2	25.7	26.6	28.6	28.9	28.6	29.2	27.2	27.4	28.1	27.6	28.7	30.4	30.1	31.2	28.0	27.9	27.9	25.9	23.9	22.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.2
	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	
	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
	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

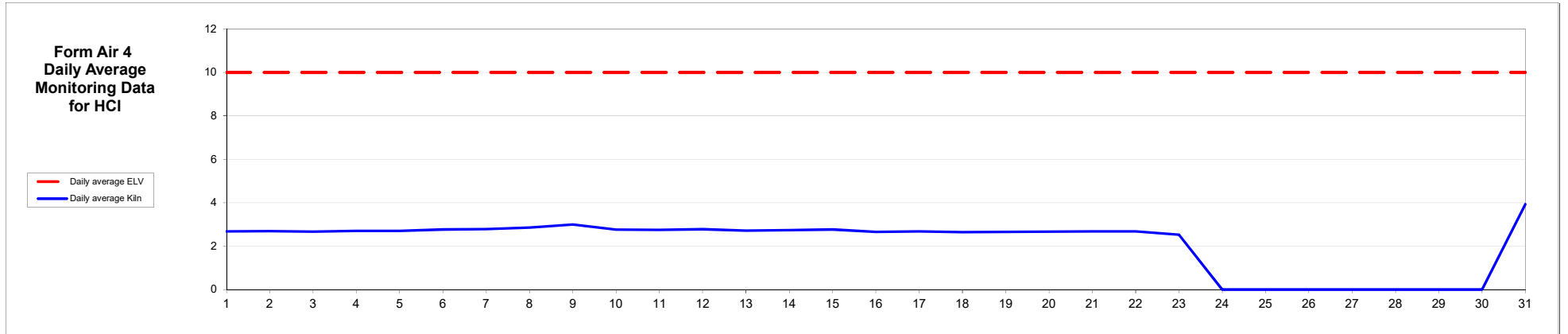
Signed **Paul Firth** Date **08/11/2021**
(Authorised to sign as representative of Tarmac Cement & Lime Ltd)

Permit Reference Number: BL3986ID

Operator: Tarmac Cement & Lime Ltd
Oct-21

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	2.68	2.69	2.67	2.70	2.70	2.76	2.78	2.86	2.99	2.77	2.76	2.77	2.72	2.73	2.76	2.65	2.67	2.64	2.65	2.66	2.68	2.68	2.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.93
	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	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 **08/11/2021**
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Permit Reference Number: BL3986ID

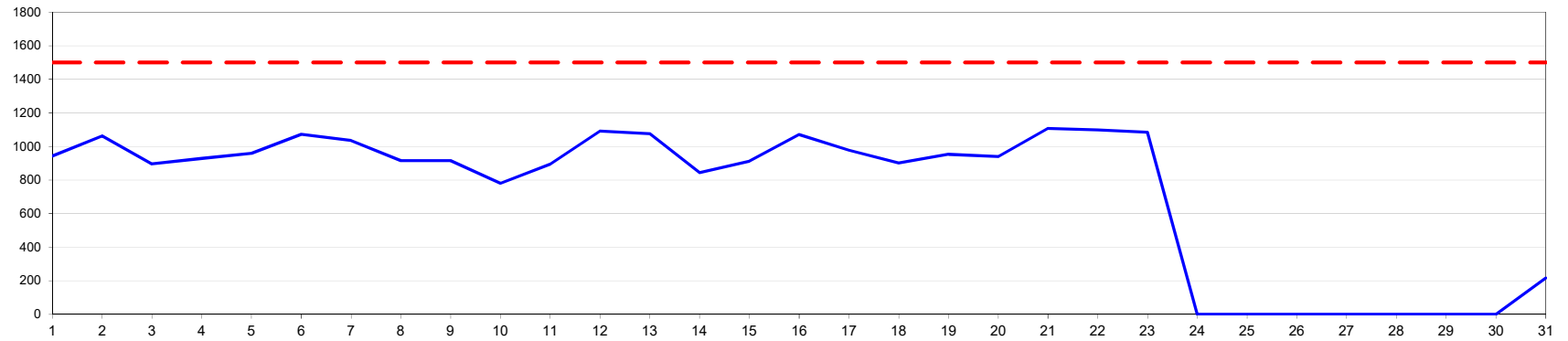
Operator: Tarmac Cement & Lime Ltd
Oct-21

Installation: Aberthaw Works

Kiln Report of Continuous Monitored Emissions (Emission Point A1)

Form Air 5 Daily
Average
Monitoring Data
for CO

— Daily average Kiln
— Daily average ELV



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	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	1107	Daily average Kiln	944	1063	896	928	959	1073	1035	915	915	781	894	1091	1076	844	912	1071	977	901	953	940	1107	1099	1084	0	0	0	0	0	0	0	215
	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	0
	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

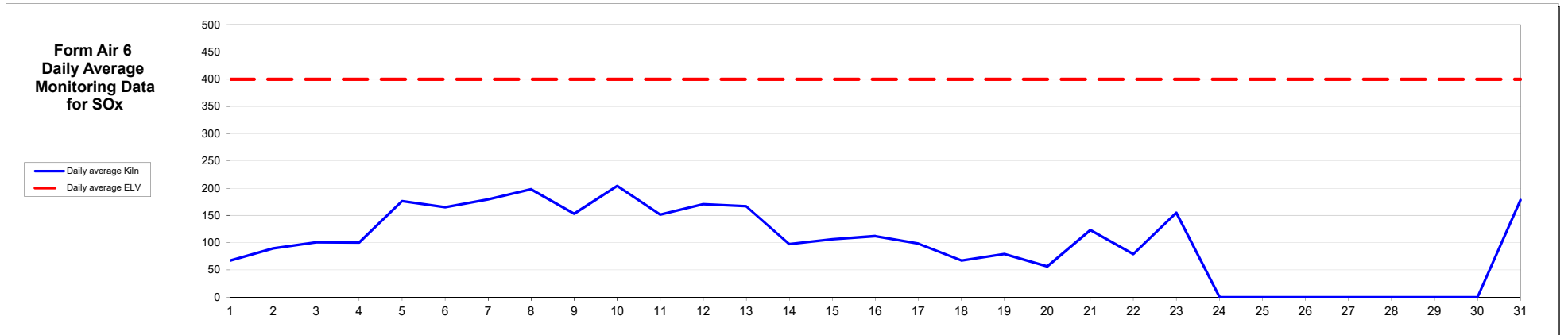
Signed **Paul Firth** Date **08/11/2021**
(Authorised to sign as representative of Tarmac Cement & Lime Ltd)

Permit Reference Number: BL3986ID

Operator: Tarmac Cement & Lime Ltd
Oct-21

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	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	204	Daily average Kiln	67	89	100	100	176	165	180	198	153	204	151	171	167	97	106	112	98	67	79	56	123	79	155	0	0	0	0	0	0	0	178
	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	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

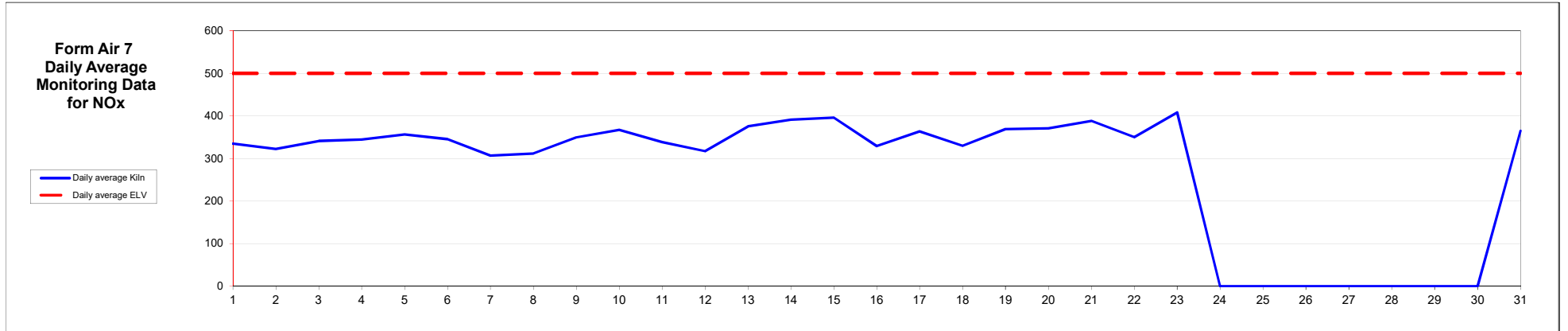
Signed **Paul Firth** Date **08/11/2021**
(Authorised to sign as representative of Tarmac Cement & Lime Ltd)

Permit Reference Number: BL3986ID

Operator: Tarmac Cement & Lime Ltd
Oct-21

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	408	Daily average Kiln	335	322	341	344	356	345	307	312	349	367	338	317	376	391	396	329	364	330	369	371	388	350	408	0	0	0	0	0	0	0	365
	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	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

The Nox daily average for the 31st October, returned a daily average of 838mg/Nm3, but from only one valid half hour, by using the MPA 24hr roll forward rule, a compliant full daily average of 365mg/Nm3 was obtained

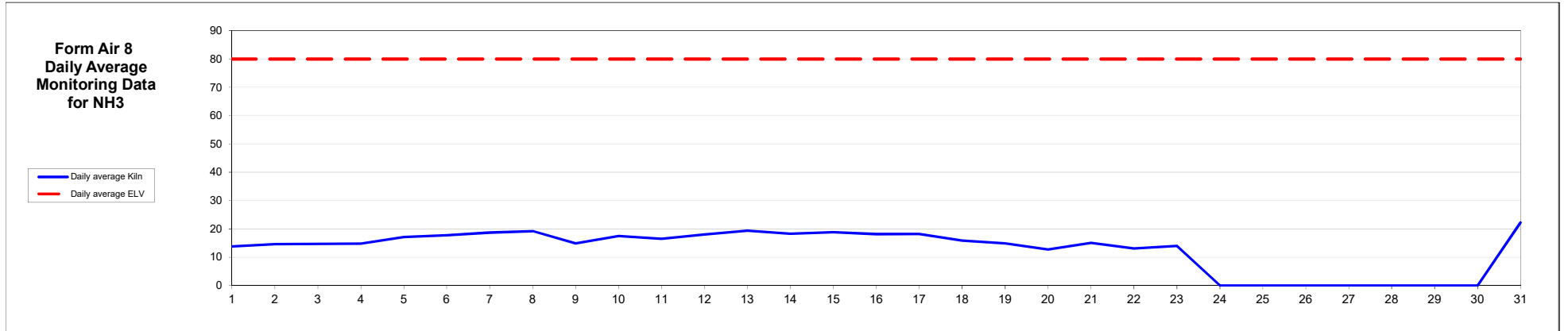
Signed **Paul Firth** Date **08/11/2021**
(Authorised to sign as representative of Tarmac Cement & Lime Ltd)

Permit Reference Number: BL3986ID

Operator: Tarmac Cement & Lime Ltd
Oct-21

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	22	Daily average Kiln	14	15	15	15	17	18	19	19	15	17	16	18	19	18	18	16	15	13	15	13	14	0	0	0	0	0	0	0	0	0	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	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
	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

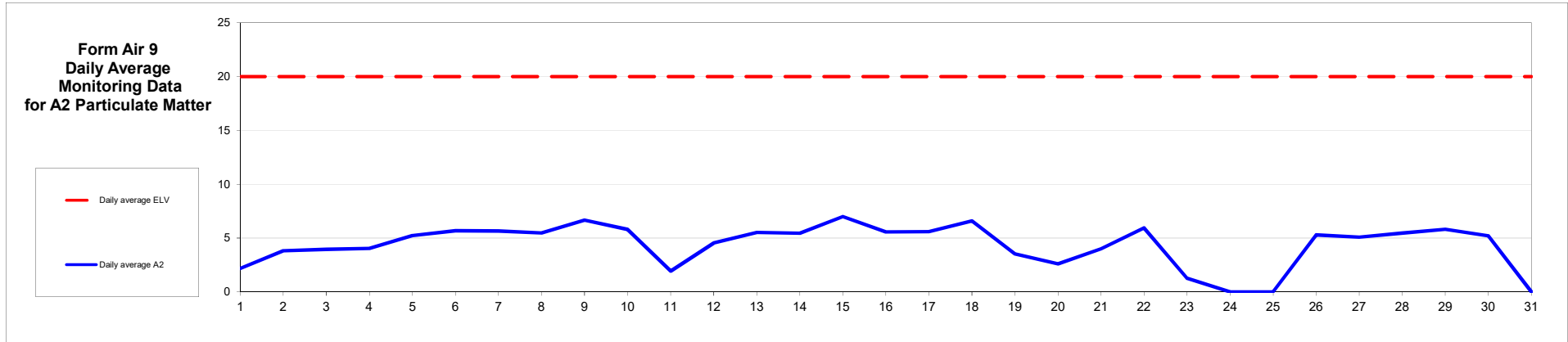
Signed **Paul Firth** Date **08/11/2021**
(Authorised to sign as representative of Tarmac Cement & Lime Ltd)

Permit Reference Number: BL3986ID

Operator: Tarmac Cement & Lime Ltd
Oct-21

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	7.00	Daily average A2	2.17	3.81	3.94	4.03	5.24	5.69	5.66	5.47	6.67	5.79	1.94	4.53	5.52	5.44	7.00	5.57	5.59	6.59	3.53	2.60	3.99	5.94	1.25	0.00	0.00	20	20	5.46	5.81	5.21	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	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

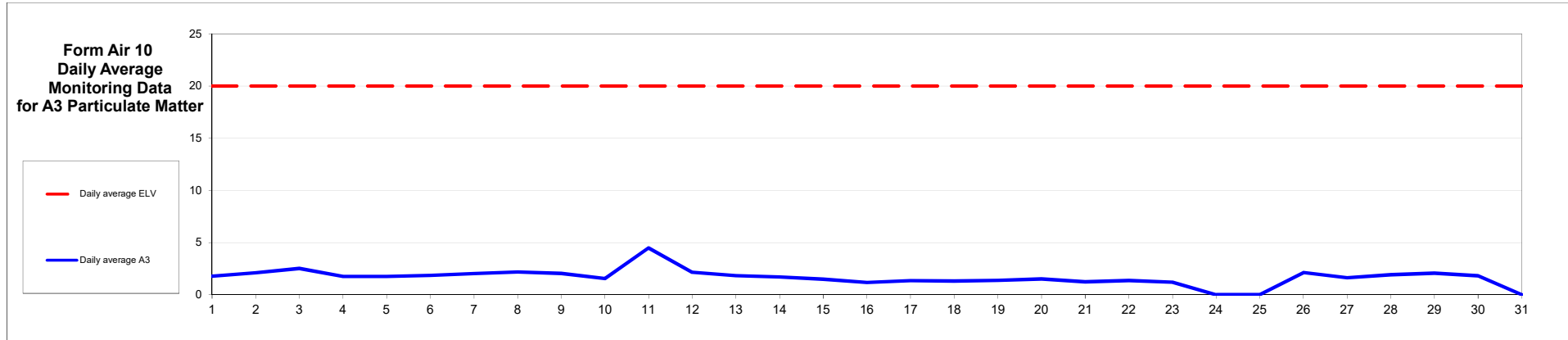
Signed **Paul Firth** Date **08/11/2021**
(Authorised to sign as representative of Tarmac Cement & Lime Ltd)

Permit Reference Number: BL3986ID

Operator: Tarmac Cement & Lime Ltd
Oct-21

Installation: Aberthaw Works

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



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	4.48	Daily average A3		1.77	2.10	2.52	1.76	1.76	1.85	2.03	2.18	2.04	1.55	4.48	2.15	1.83	1.70	1.48	1.17	1.34	1.31	1.38	1.51	1.24	1.36	1.20	0.00	0.00	2.12	1.62	1.91	2.07	1.80	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	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
	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 **08/11/2021**
(Authorised to sign as representative of Tarmac Cement & Lime Ltd)