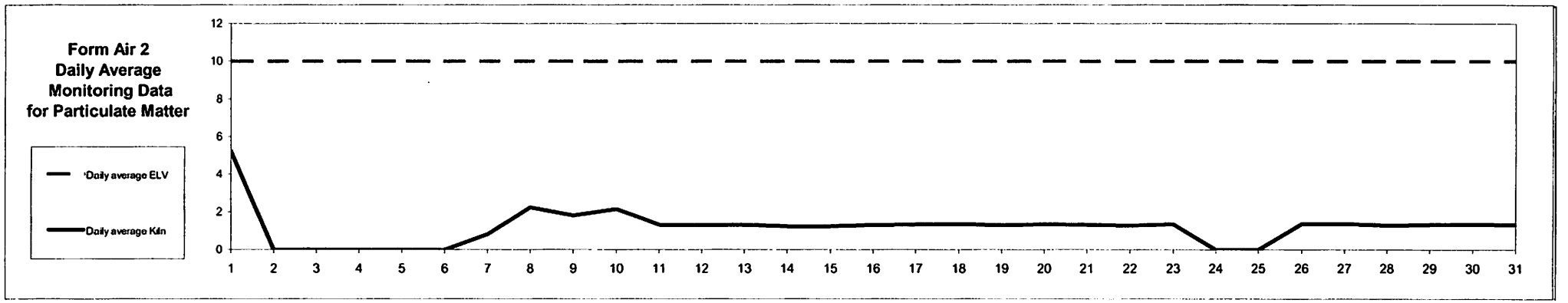
Permit Reference Number: BL3986ID

Operator: Tarmac Cement & Lime Ltd
Mar-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 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	5	Daily average Kiln	5.22						0.82	2.24	1.82	2.14	1.32	1.30	1.32	1.24	1.25	1.30	1.34	1.36	1.29	1.34	1.32	1.29	1.34			1.36	1.37	1.29	1.32	1.35	1.33
Daily average	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** 26.04.2018
(Authorised to sign as representative of Tarmac Cement & Lime Ltd)

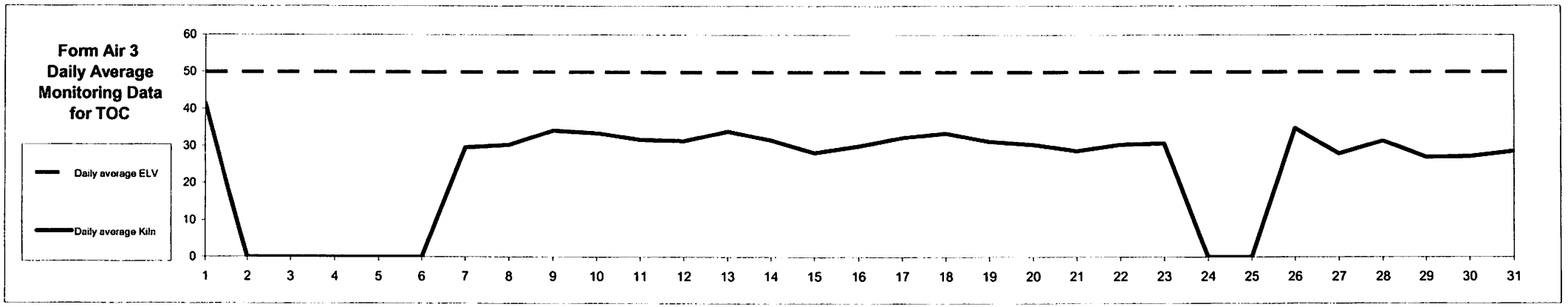
26/4/18

Permit Reference Number: BL3986ID

Operator: Tarmac Cement & Lime Ltd
Mar-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 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
Daily average	Monthly maximum	41	Daily average Kiln	41.4						29.6	30.3	34.2	33.5	31.8	31.4	34.0	31.6	28.2	30.0	32.3	33.5	31.2	30.4	28.7	30.4	30.7			34.9	28.0	31.4	27.0	27.2	28.6
	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
	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** 26.04.2018
(Authorised to sign as representative of Tarmac Cement & Lime Ltd)

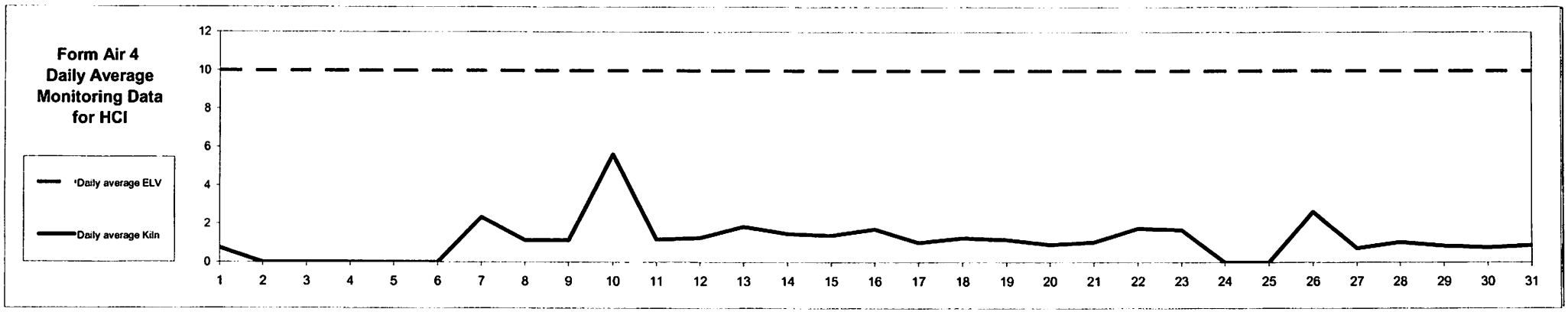
26/4/18

Permit Reference Number: BL3986ID

Operator: Tarmac Cement & Lime Ltd
Mar-18

Installation: Aberthaw Works

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



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	6	Daily average Kiln	0.75						2.36	1.15	1.13	5.63	1.19	1.27	1.86	1.50	1.40	1.74	1.04	1.28	1.19	0.93	1.05	1.78	1.70			2.65	0.74	1.06	0.87	0.78	0.89
	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** 26.04.2018
(Authorised to sign as representative of Tarmac Cement & Lime Ltd)

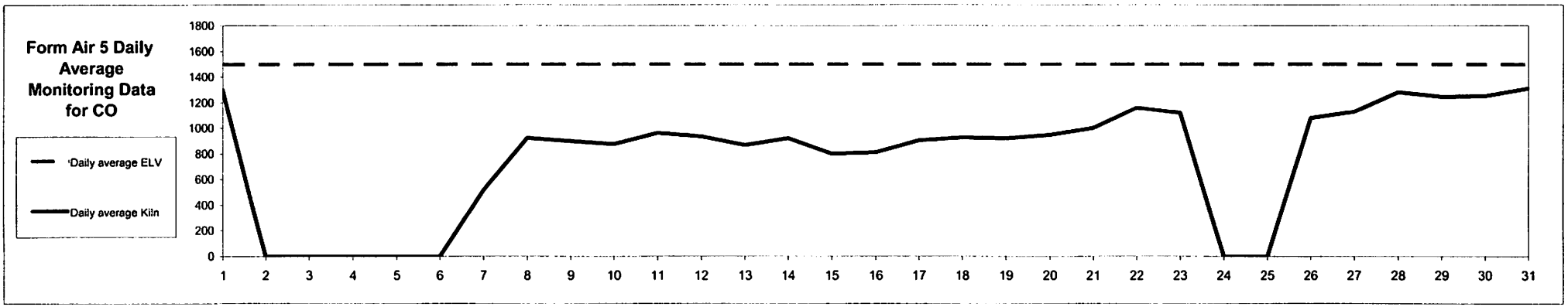
26/4/18

Permit Reference Number: BL3986ID

Operator: Tarmac Cement & Lime Ltd
Mar-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 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	1300	Daily average Kiln	1300						516	926	899	877	963	938	869	924	801	814	906	929	922	948	1003	1162	1121			1079	1130	1282	1248	1253	1313
Daily average	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** 26.04.2018
(Authorised to sign as representative of Tarmac Cement & Lime Ltd)

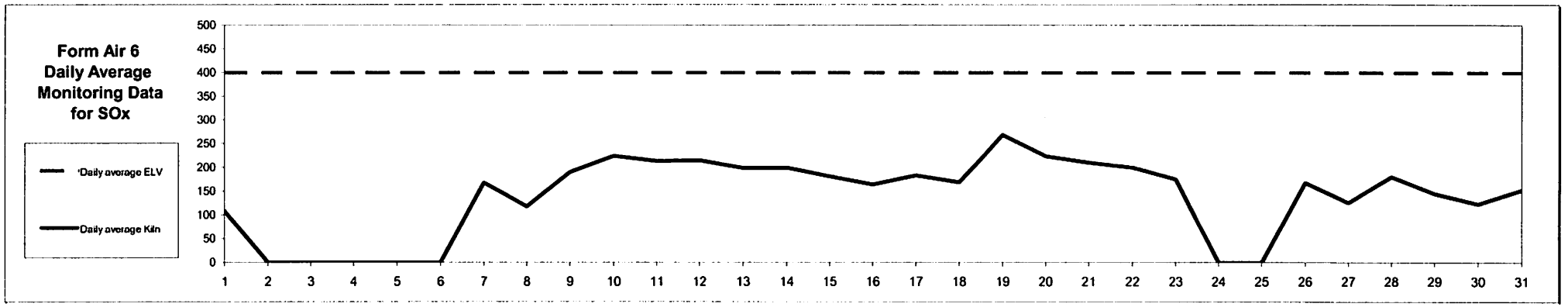
26/4/18

Permit Reference Number: BL3986ID

Operator: Tarmac Cement & Lime Ltd
Mar-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	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	269	Daily average Kiln	109						168	118	190	224	214	215	199	199	181	164	183	168	269	224	210	200	175			168	126	180	145	123	152
	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** 26.04.2018
(Authorised to sign as representative of Tarmac Cement & Lime Ltd)

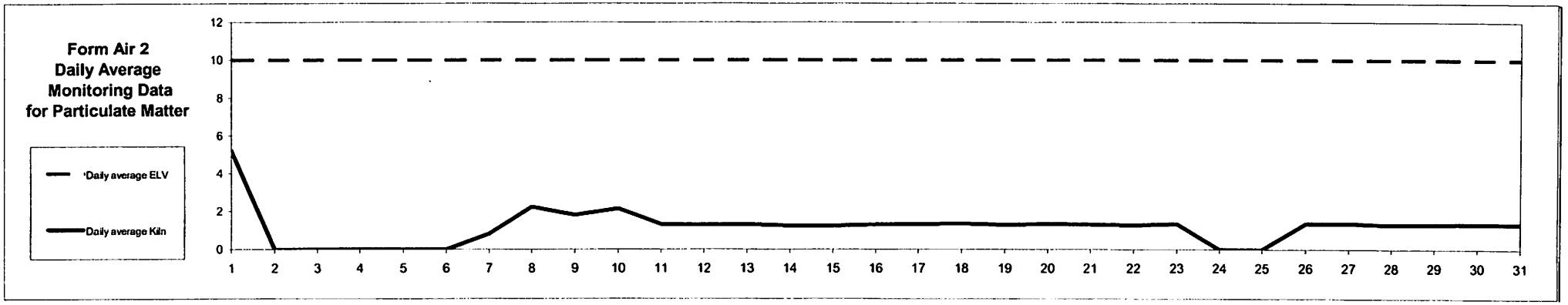
26/4/18

Permit Reference Number: BL3986ID

Operator: Tarmac Cement & Lime Ltd
Mar-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 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	5	Daily average Kiln	5.22						0.82	2.24	1.82	2.14	1.32	1.30	1.32	1.24	1.25	1.30	1.34	1.36	1.29	1.34	1.32	1.29	1.34			1.36	1.37	1.29	1.32	1.35	1.33
Daily average	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** 26.04.2018
(Authorised to sign as representative of Tarmac Cement & Lime Ltd)

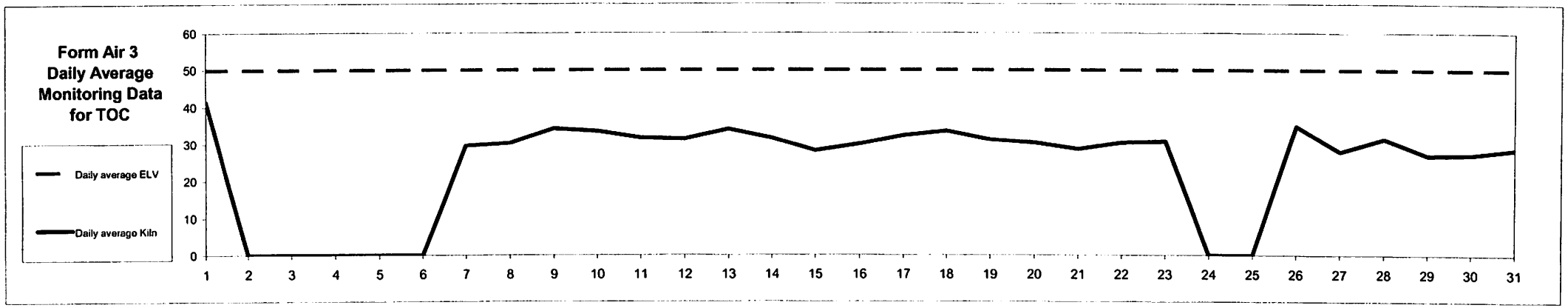
26/4/18

Permit Reference Number: BL3986ID

Operator: Tarmac Cement & Lime Ltd
Mar-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 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
Daily average	Monthly maximum	41	Daily average Kiln	41.4						29.6	30.3	34.2	33.5	31.8	31.4	34.0	31.6	28.2	30.0	32.3	33.5	31.2	30.4	28.7	30.4	30.7			34.9	28.0	31.4	27.0	27.2	28.6
	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
	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** 26.04.2018
(Authorised to sign as representative of Tarmac Cement & Lime Ltd)

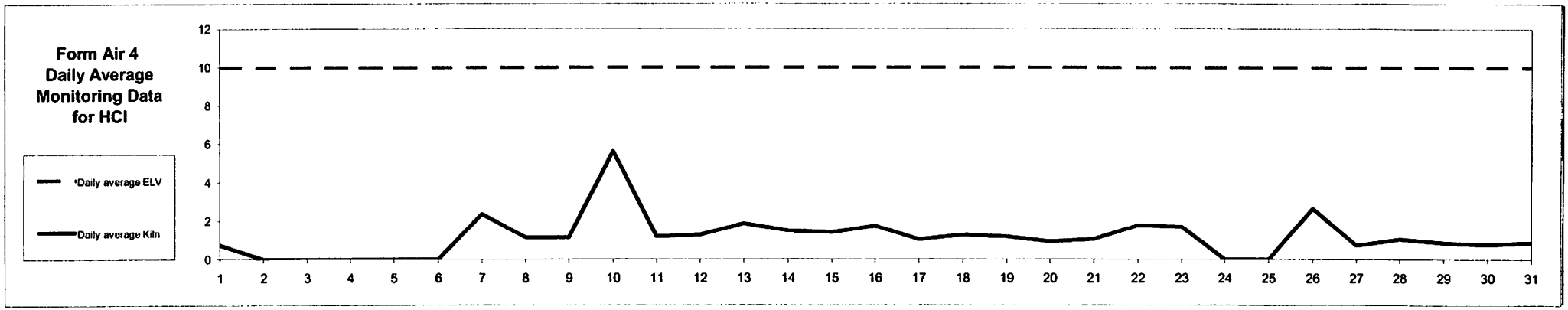
26/4/18

Permit Reference Number: BL3986ID

Operator: Tarmac Cement & Lime Ltd
Mar-18

Installation: Aberthaw Works

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



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 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	6	Daily average Kiln	0.75						2.36	1.15	1.13	5.63	1.19	1.27	1.86	1.50	1.40	1.74	1.04	1.28	1.19	0.93	1.05	1.78	1.70			2.65	0.74	1.06	0.87	0.78	0.89
Daily average	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** 26.04.2018
(Authorised to sign as representative of Tarmac Cement & Lime Ltd)

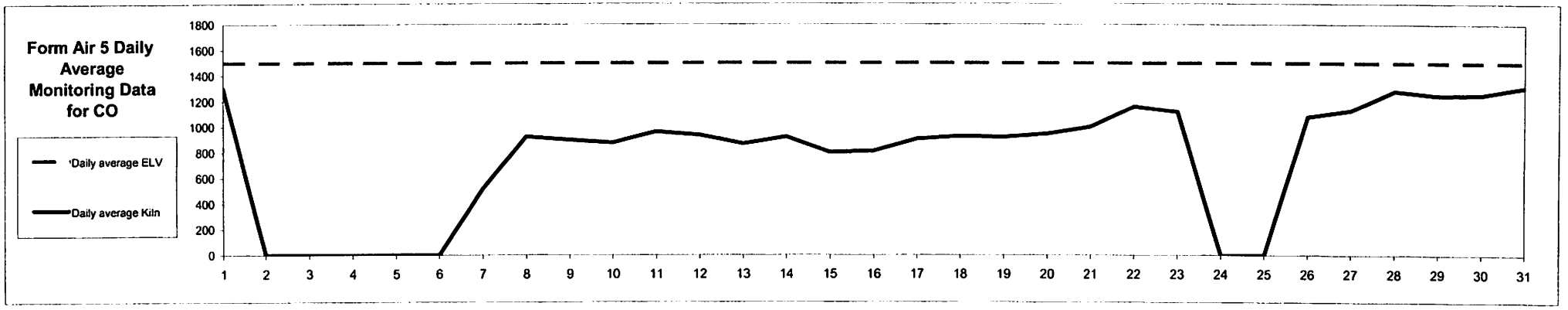
26/4/18

Permit Reference Number: BL3986ID

Operator: Tarmac Cement & Lime Ltd
Mar-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 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
Daily average	Monthly maximum	1300	Daily average Kiln	1300						516	926	899	877	963	938	869	924	801	814	906	929	922	948	1003	1162	1121			1079	1130	1282	1248	1253	1313
	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** 26.04.2018
(Authorised to sign as representative of Tarmac Cement & Lime Ltd)

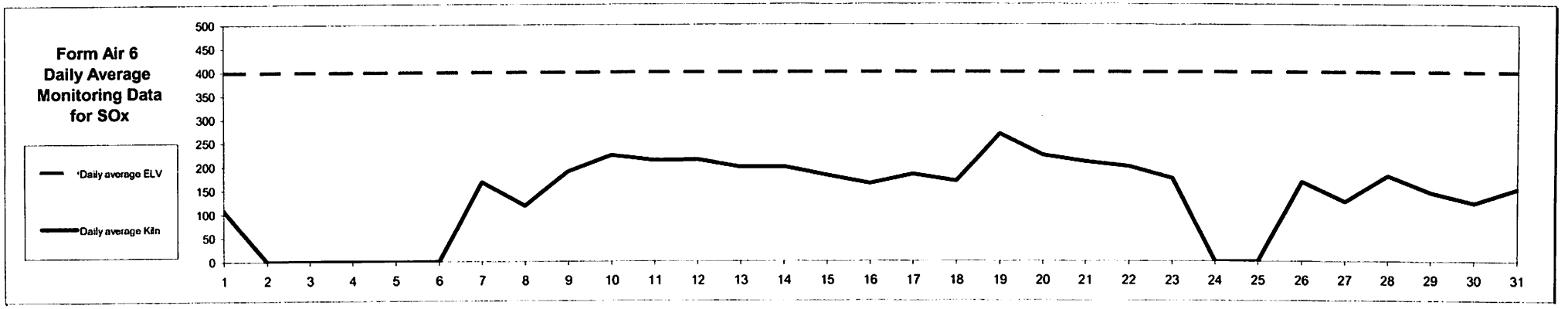
26/4/18

Permit Reference Number: BL3986ID

Operator: Tarmac Cement & Lime Ltd
Mar-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 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	269	Daily average Kiln	109						168	118	190	224	214	215	199	199	181	164	183	168	269	224	210	200	175			168	126	180	145	123	152
Daily average	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** 26.04.2018
(Authorised to sign as representative of Tarmac Cement & Lime Ltd)

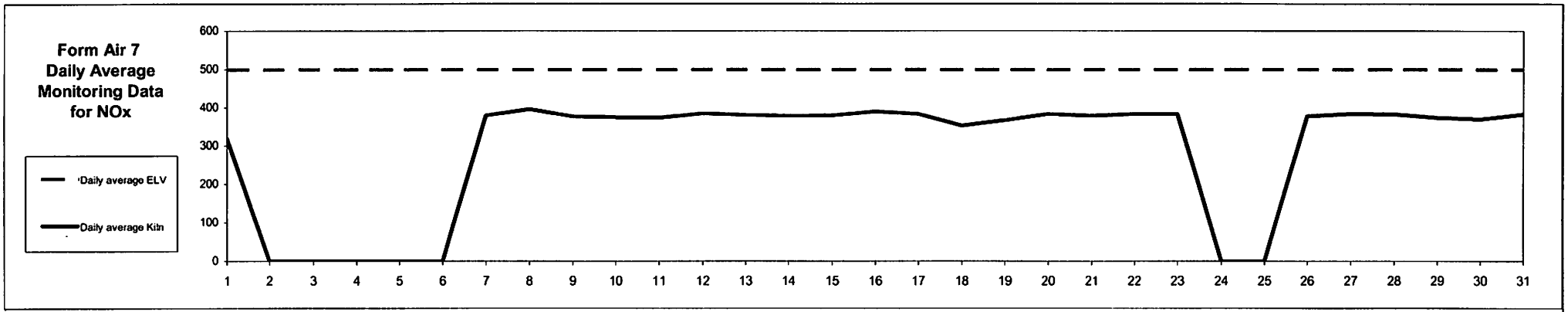
26/4/18

Permit Reference Number: BL3986ID **Operator: Tarmac Cement & Lime Ltd**

Mar-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 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
Daily average	Monthly maximum	396	Daily average Kiln	319						379	396	377	375	373	384	380	378	380	390	384	352	367	383	379	383	383			377	384	382	373	369	382
	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** 26.04.2018

(Authorised to sign as representative of Tarmac Cement & Lime Ltd)

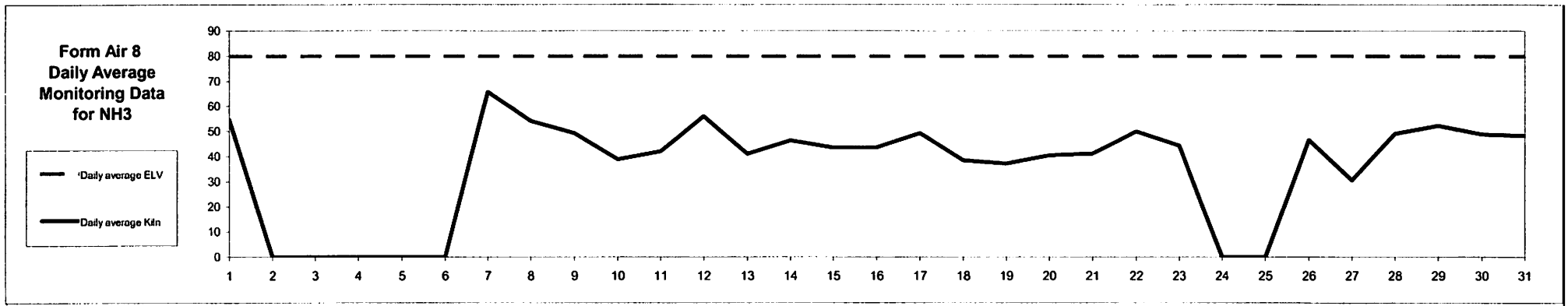
26/4/18

Permit Reference Number: BL3986ID **Operator: Tarmac Cement & Lime Ltd**

Mar-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	66	Daily average Kiln	55	0	0	0	0	0	66	54	49	39	42	56	41	46	44	44	49	39	37	41	41	50	44	0	0	47	31	49	52	49	48
	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** 26.04.2018

(Authorised to sign as representative of Tarmac Cement & Lime Ltd)

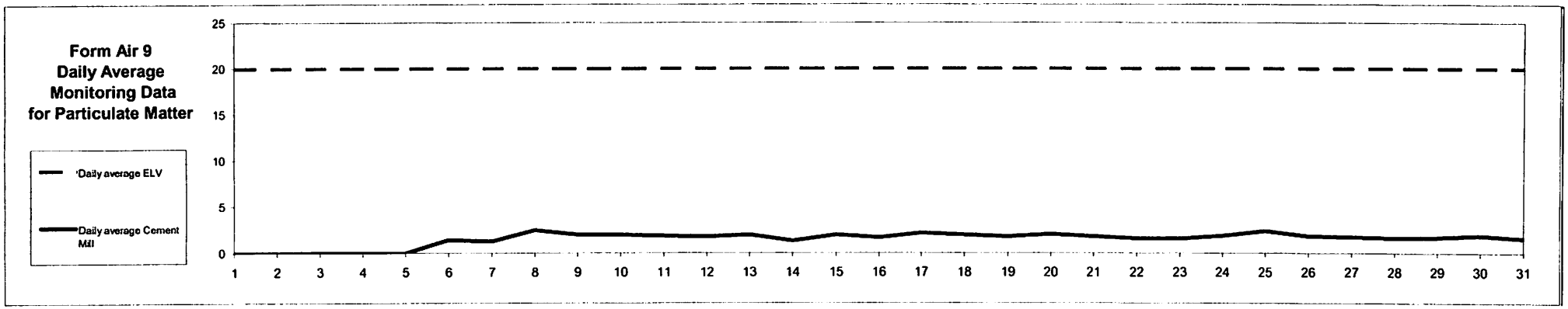
26/4/18

Permit Reference Number: BL3986ID

Operator: Tarmac Cement & Lime Ltd
Mar-18

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 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
Daily average	Monthly maximum	2	Daily average Cement Mill						1.43	1.28	2.48	1.99	1.97	1.85	1.77	1.97	1.33	1.97	1.87	2.15	1.98	1.77	2.05	1.81	1.59	1.56	1.88	2.41	1.84	1.75	1.64	1.70	1.91	1.58
	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** 26.04.2018
(Authorised to sign as representative of Tarmac Cement & Lime Ltd)

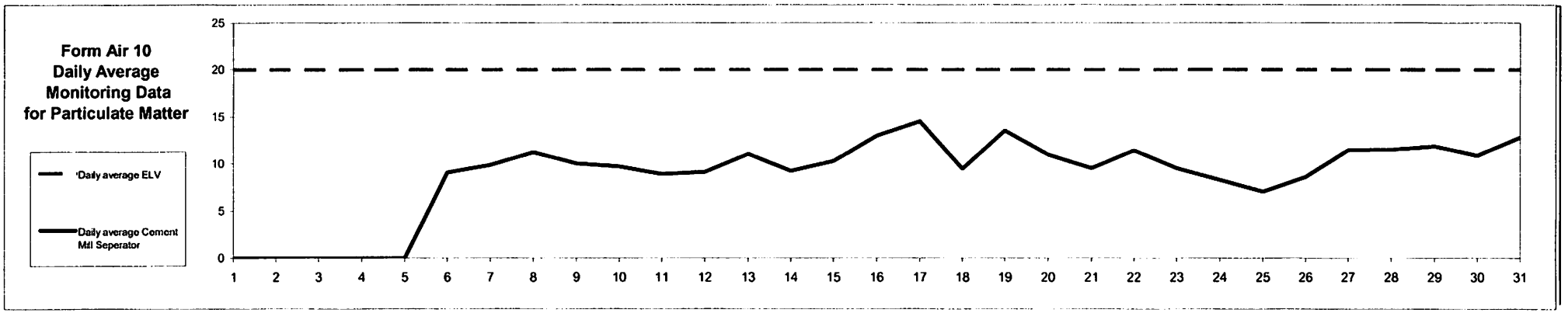
26/4/18

Permit Reference Number: BL3986ID **Operator: Tarmac Cement & Lime Ltd**

Mar-18

Installation: Aberthaw Works

Cement Mill Seperator 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 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	15	Daily average Cement Mill Sepe						9.09	9.86	11.23	10.02	9.73	8.93	9.14	11.05	9.24	10.30	13.00	14.53	9.49	13.55	10.99	9.53	11.43	9.54	8.29	7.05	8.61	11.46	11.50	11.89	10.87	12.84
Daily average	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** 26.04.2018

(Authorised to sign as representative of Tarmac Cement & Lime Ltd)

26/4/18