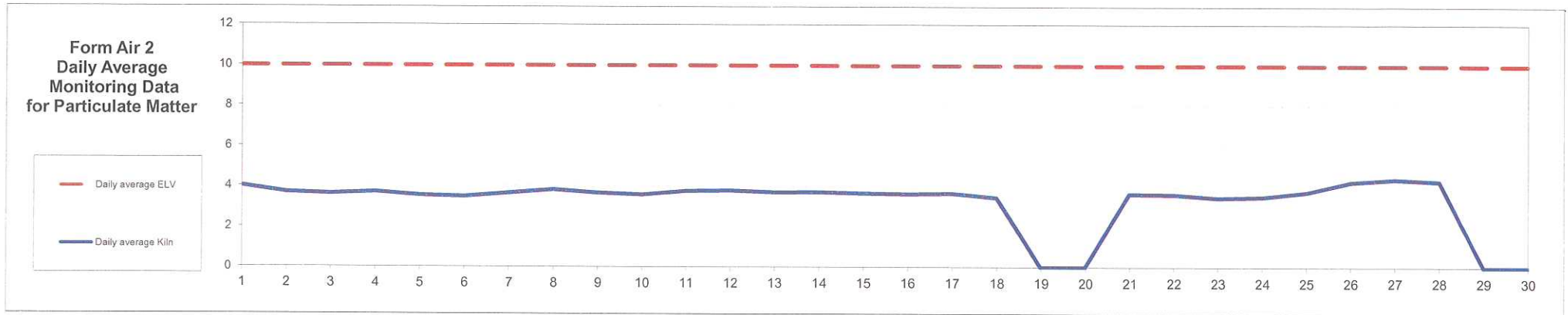


Permit Reference Number: BL3986ID

Operator: Tarmac Cement & Lime Ltd
Sep-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	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	4	Daily average Kiln	4.03	3.71	3.64	3.72	3.56	3.50	3.67	3.84	3.68	3.59	3.78	3.80	3.71	3.72	3.68	3.64	3.67	3.45				3.64	3.61	3.46	3.50	3.73	4.24	4.38	4.28			
	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

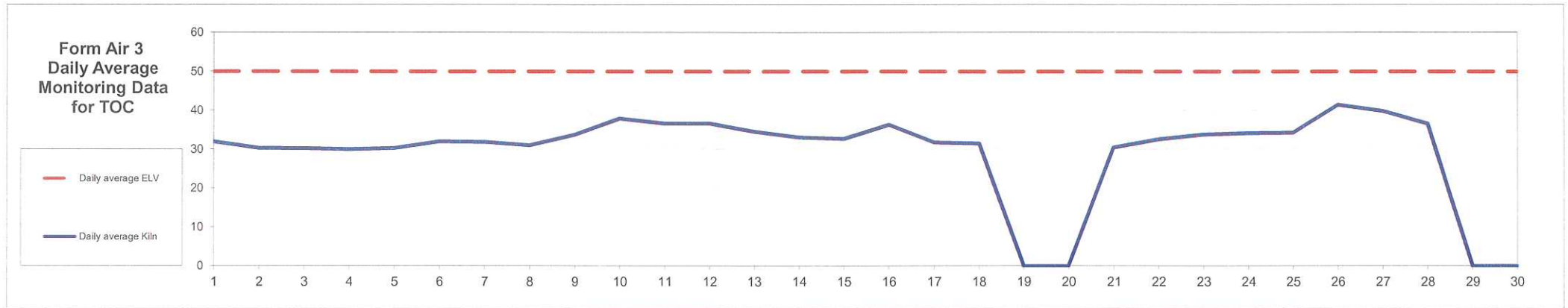
Signed **Andre Cachaco** Date **07/10/2019**
(Authorised to sign as representative of Tarmac Cement & Lime Ltd)

Permit Reference Number: BL3986ID

Operator: Tarmac Cement & Lime Ltd
Sep-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	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	41	Daily average Kiln	32.0	30.3	30.2	30.0	30.3	32.0	31.9	31.0	33.7	37.9	36.6	36.6	34.5	33.0	32.7	36.3	31.7	31.5			30.5	32.5	33.8	34.1	34.2	41.4	39.8	36.6		
	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	
	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

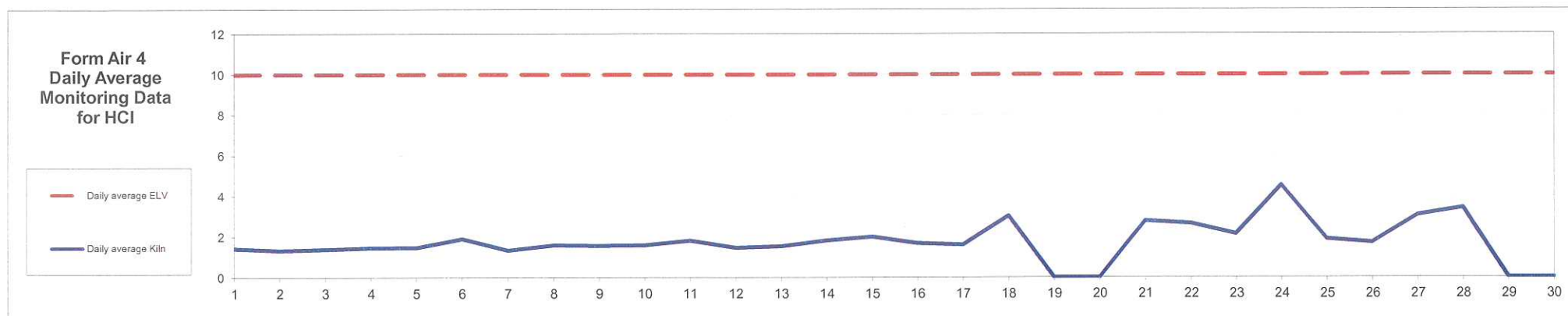
Signed **Andre Cachaco** Date **07/10/2019**
(Authorised to sign as representative of Tarmac Cement & Lime Ltd)

Permit Reference Number: BL3986ID

Operator: Tarmac Cement & Lime Ltd
Sep-19

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
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	5	Daily average Kiln	1.43	1.33	1.39	1.46	1.47	1.90	1.34	1.60	1.57	1.60	1.82	1.46	1.54	1.82	2.01	1.69	1.61	3.03			2.78	2.65	2.14	4.53	1.88	1.71	3.06	3.41		
	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

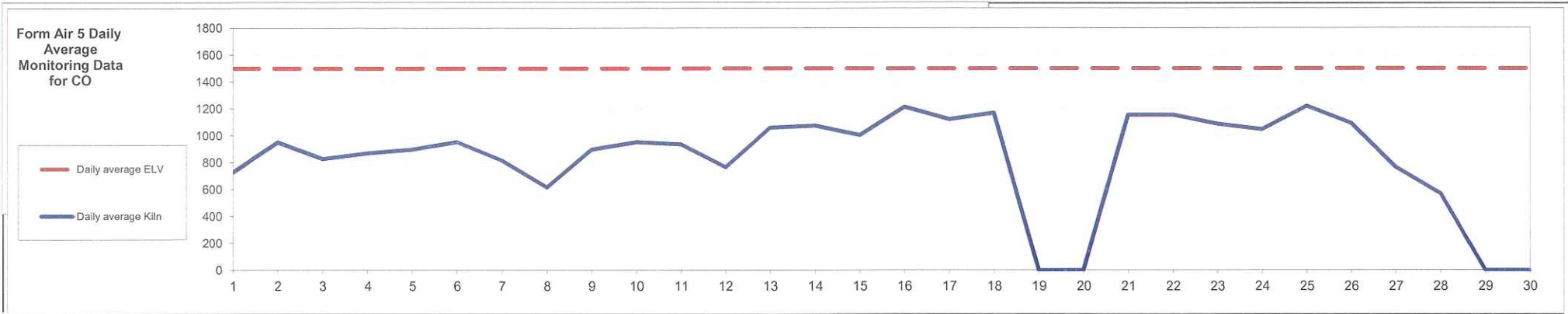
Signed **Andre Cachaco** Date **07/10/2019**
(Authorised to sign as representative of Tarmac Cement & Lime Ltd)

Permit Reference Number: BL3986ID

Operator: Tarmac Cement & Lime Ltd
Sep-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	1219	Daily average Kiln	729	953	828	870	898	954	816	616	897	953	936	765	1059	1073	1003	1215	1122	1170			1154	1153	1087	1047	1219	1090	766	570		
	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 Andre Cachaco Date 07/10/2019
(Authorised to sign as representative of Tarmac Cement & Lime Ltd)

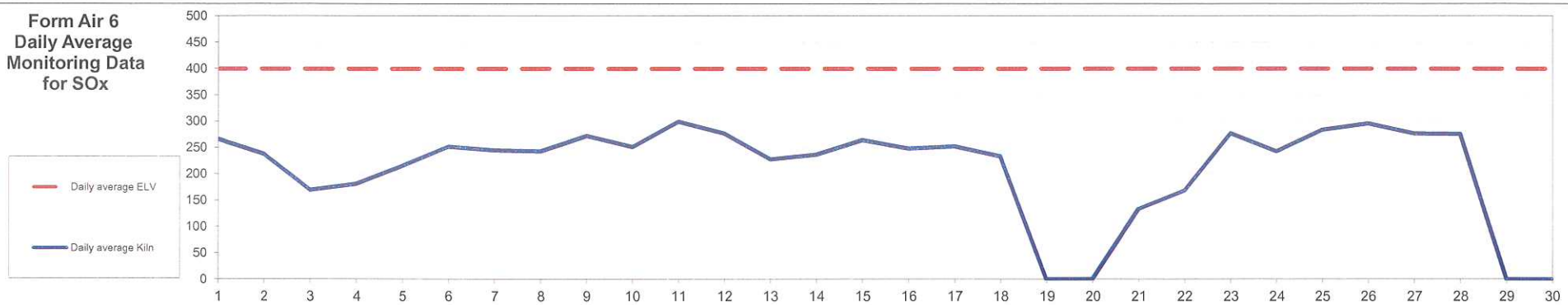
Permit Reference Number: BL3986ID

Operator: Tarmac Cement & Lime Ltd
Sep-19

Installation: Aberthaw Works

Kiln Report of Continuous Monitored Emissions (Emission Point A1)

**Form Air 6
Daily Average
Monitoring Data
for SOx**



Kiln

Item	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	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
Daily average	Monthly maximum	300	Daily average Kiln	266	238	170	181	215	252	245	243	273	251	300	277	228	237	264	248	253	233			133	168	277	243	284	296	277	276		
	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

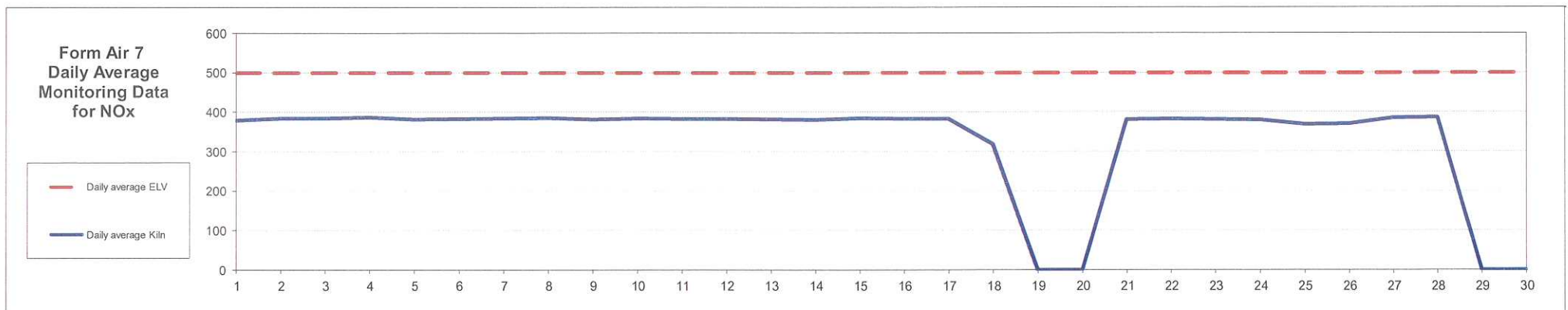
Signed **Andre Cachaco** Date **07/10/2019**
(Authorised to sign as representative of Tarmac Cement & Lime Ltd)

Permit Reference Number: BL3986ID

Operator: Tarmac Cement & Lime Ltd
Sep-19

Installation: Aberthaw Works

Kiln Report of Continuous Monitored Emissions (Emission Point A1)



Kiln

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 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	
Daily average	Monthly maximum	387	Daily average Kiln	379	384	384	387	382	383	385	385	385	382	384	383	383	381	381	384	383	383	320			382	383	381	381	369	371	385	386		
	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 Andre Cachaco Date 07/10/2019
(Authorised to sign as representative of Tarmac Cement & Lime Ltd)

Permit Reference Number: BL3986ID

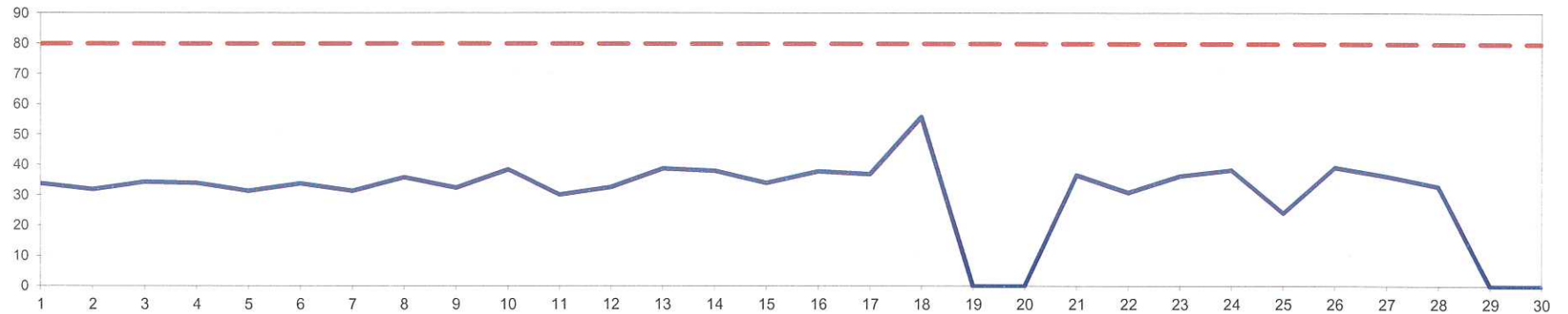
Operator: Tarmac Cement & Lime Ltd
Sep-19

Installation: Aberthaw Works

Kiln Report of Continuous Monitored Emissions (Emission Point A1)

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

— Daily average ELV
— Daily average Kiln



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	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	56	Daily average Kiln	34	32	34	34	31	34	31	36	32	38	30	33	39	38	34	38	37	56	0	0	37	31	36	38	24	39	36	33	0	0
	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										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

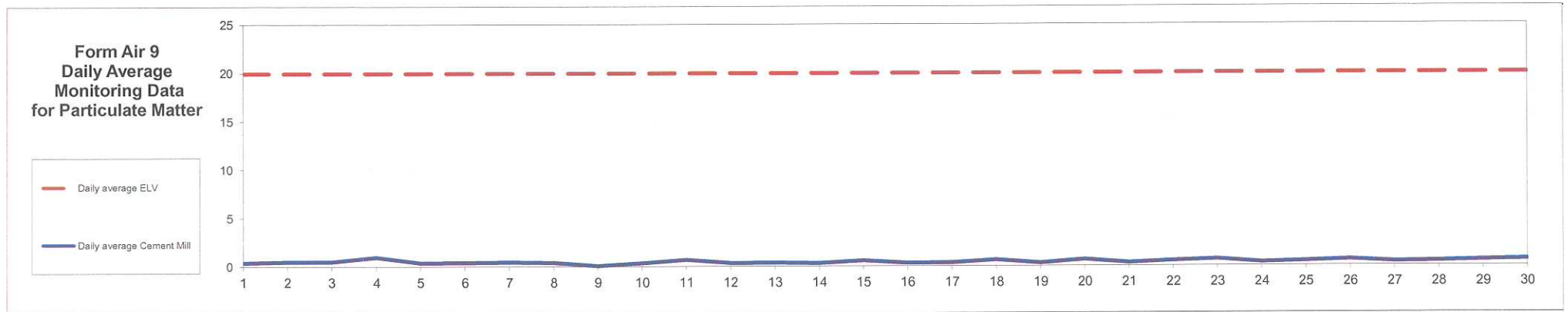
Signed **Andre Cachaco** Date **07/10/2019**
(Authorised to sign as representative of Tarmac Cement & Lime Ltd)

Permit Reference Number: BL3986ID

Operator: Tarmac Cement & Lime Ltd
Sep-19

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
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
	Monthly maximum		1	Daily average Cement Mill	0.43	0.51	0.53	0.97	0.38	0.43	0.46	0.42	0.08	0.37	0.71	0.37	0.39	0.35	0.59	0.34	0.37	0.64	0.32	0.66	0.34	0.55	0.69	0.37	0.50	0.66	0.42	0.48	0.57	0.65
	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	
	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

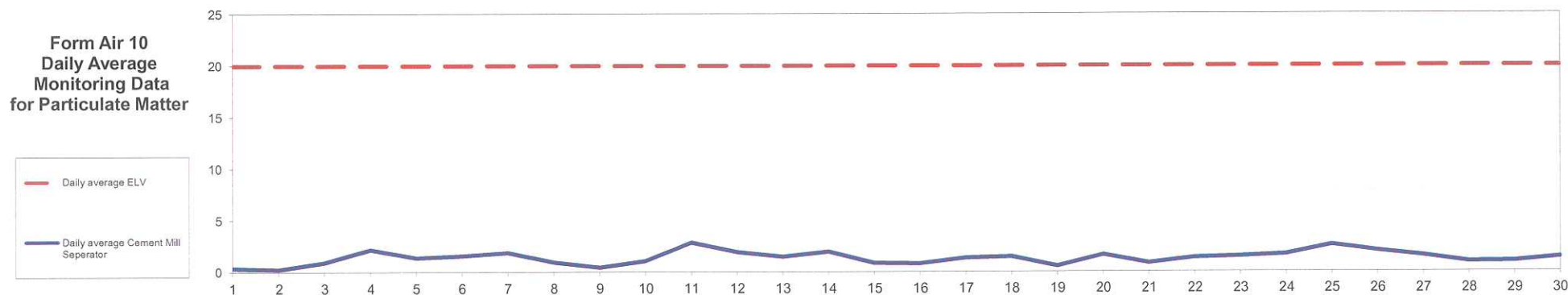
Signed **A. Cachaco** Date **03/10/2019**
(Authorised to sign as representative of Tarmac Cement & Lime Ltd)

Permit Reference Number: BL3986ID

Operator: Tarmac Cement & Lime Ltd
Sep-19

Installation: Aberthaw Works

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



Cement Mill Separator

Cement Mill Separator																																	
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	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
	3		Daily average Cement Mill Separator	0.38	0.24	0.92	2.16	1.37	1.56	1.86	0.94	0.45	1.08	2.84	1.91	1.47	1.94	0.84	0.78	1.34	1.47	0.55	1.64	0.84	1.36	1.48	1.69	2.60	2.03	1.55	0.93	1.00	1.40
			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
			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

Signed **A. Cachaco** Date **03/10/2019**
(Authorised to sign as representative of Tarmac Cement & Lime Ltd)