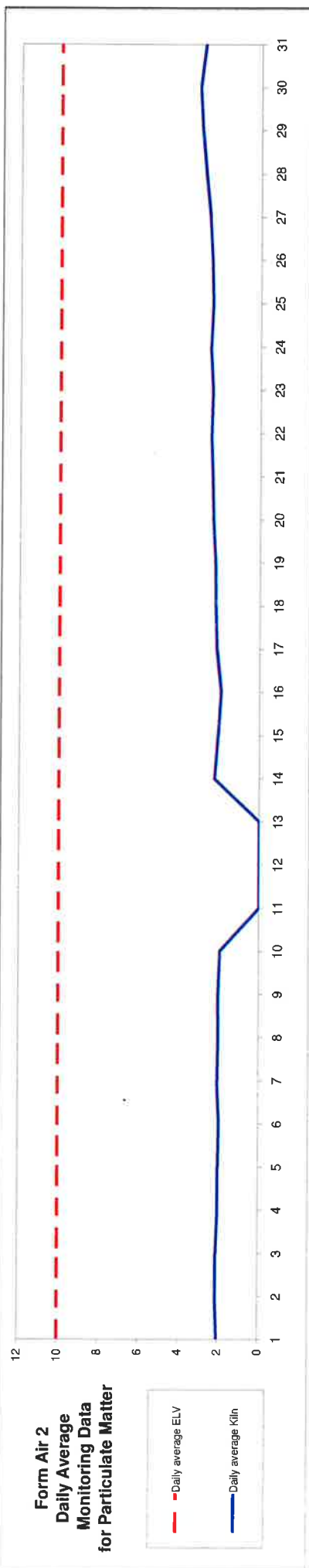


Permit Reference Number: BL3986ID
 Installation: Aberthaw Works

Operator: Tarmac Cement & Lime Ltd

Date: Jan 2017

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	Monthly maximum	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
	Daily average ELV	2.04	2.12	2.11	2.02	2.01	1.97	2.06	2.02	2.04	1.95		2.27	2.09	1.95	2.17	2.23	2.26	2.37	2.42	2.43	2.48	2.41	2.52	2.42	2.46	2.58	2.79	2.96	3.08	2.81		
	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	
	Total invalid 1/2 hours																																
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	
Value exceeds ELV (Y/N)																																	

Signed K. Bennett Date 25.04.2017
 (Authorised to sign as representative of Tarmac Cement & Lime Ltd)

28 APR 2017

Permit Reference Number: BL3986ID

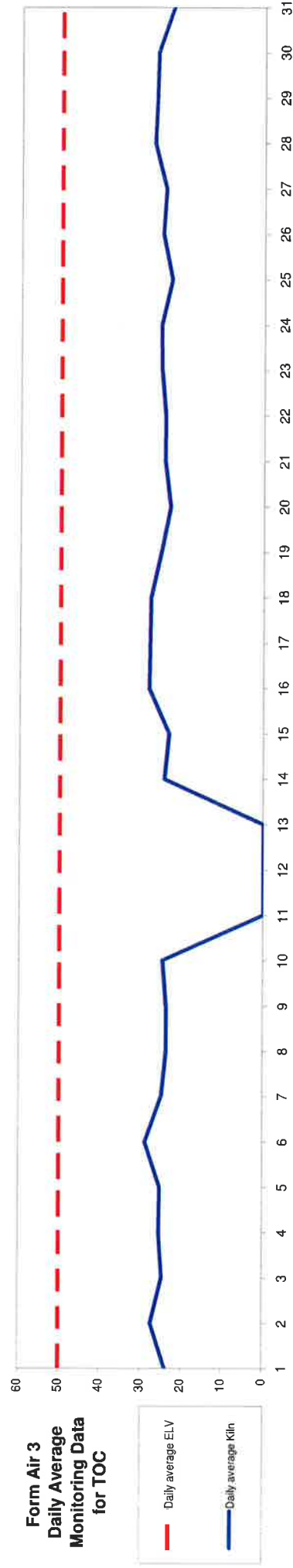
Installation: Aberthaw Works

Operator: Tarmac Cement & Lime Ltd

Date: Jan 2017

Kiln Report of Continuous Monitored Emissions (Emission Point A1)

Form Air 3
Daily Average
Monitoring Data
for TOC



Kiln

		Monthly summary												Date																													
Daily average	Monthly maximum	29													Daily average ELV																												
	Daily average Kiln	23.9	27.5	24.7	25.5	25.3	29.0	25.0	23.8	23.9	24.8													Daily average Kiln																			
	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 12 hours																						No. of invalid 12 hours																				
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 25.04.2017
(Authorised to sign as representative of Tarmac Cement & Lime Ltd)

Permit Reference Number: BL3986ID

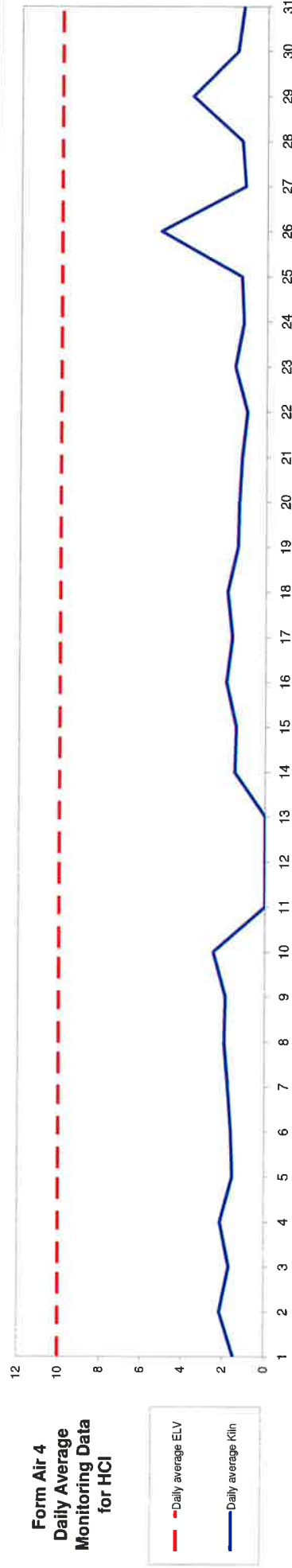
Installation: Aberhaw Works

Operator: Tarmac Cement & Lime Ltd

Date: Jan 2017

Kiln Report of Continuous Monitored Emissions from Kiln 4 (Emission Point A6)

Form Air 4
Daily Average
Monitoring Data
for HCl



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	10
Monthly maximum		1.47	2.14	1.71	2.12	1.54	1.62	1.78	1.97	1.90	2.50																						
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	
Value valid?																																	
Total invalid 1/2 hours																																	
No. of invalid 1/2 hours																																	
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
Sum of exceedances																																	

Signed K.Bennett Date 25.04.2017
(Authorised to sign as representative of Tarmac Cement & Lime Ltd)

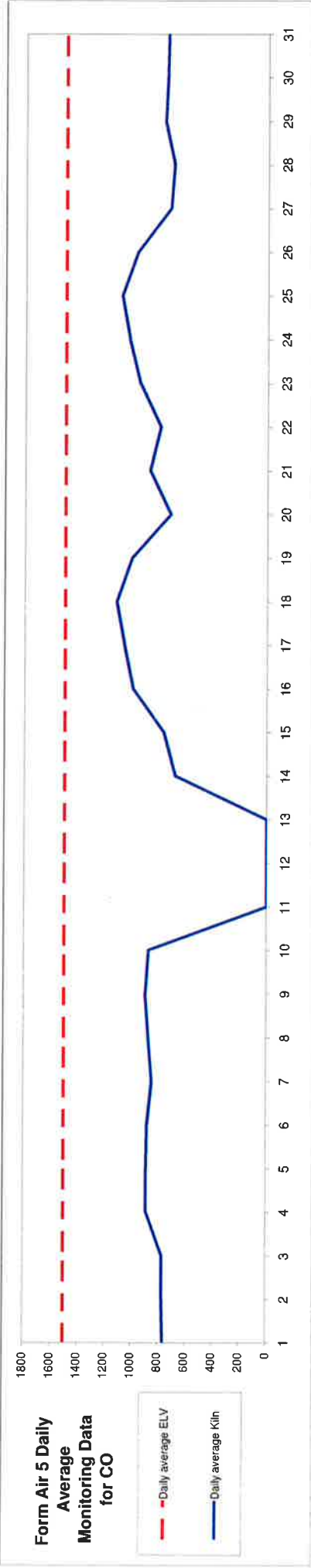
Permit Reference Number: BL3986ID

Installation: Aberthaw Works

Operator: Tarmac Cement & Lime Ltd

Date: Jan 2017

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
	Monthly maximum	1122	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	1500
			Daily average Kiln	761	768	770	888	891	883	850	874	900	876					680	767	999	1064	1122	1008	720	875	796	950	1030	1068	971	726	700	767	752	745
			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																																
			Sum of exceedances																																
			No. of invalid 1/2 hours																																
			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 25.04.2017
(Authorised to sign as representative of Tarmac Cement & Lime Ltd)

Permit Reference Number: BL3986ID

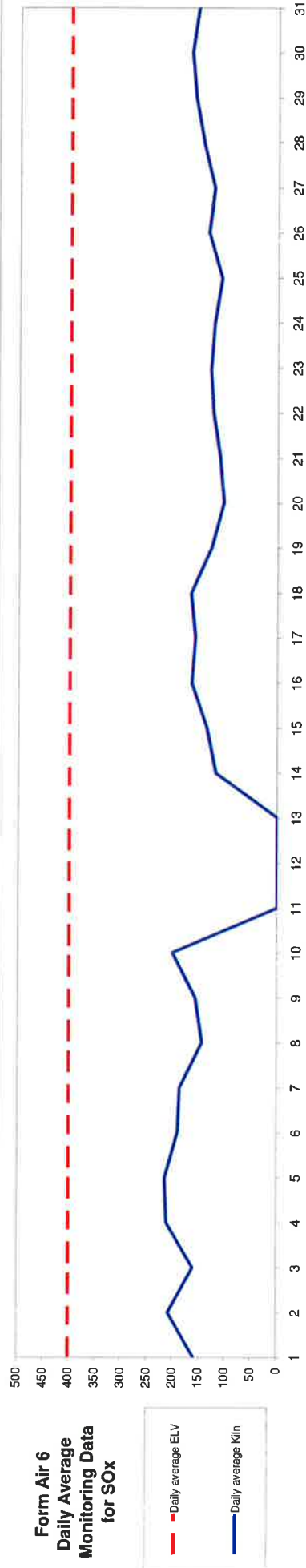
Installation: Aberhaw Works

Kiln Report of Continuous Monitored Emissions (Emission Point A1)

Operator: Tarmac Cement & Lime Ltd

Date: Jan 2017

Form Air 6
Daily Average
Monitoring Data
for SOx



Kiln

Monthly summary		Date																																		
Daily average ELV		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				
Monthly maximum		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	400			
Daily average KWh		159	208	161	212	215	191	187	144	157	202	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y				
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				
Total invalid 1/2 hours																																				
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	N			

Signed K.Bennett Date 25.04.2017
(Authorised to sign as representative of Tarmac Cement & Lime Ltd)

Permit Reference Number: BL3966ID

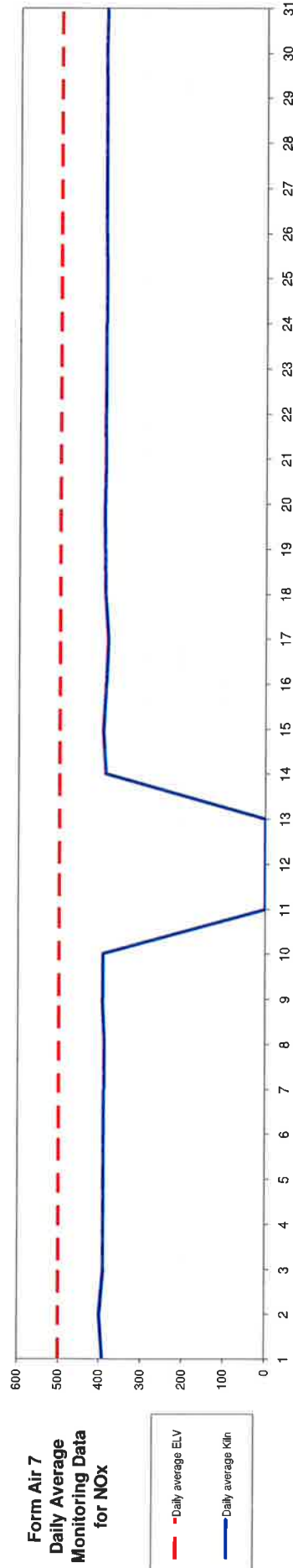
Installation: Aberthaw Works

Kiln Report of Continuous Monitored Emissions (Emission Point A1)

Operator: Tarmac Cement & Lime Ltd

Date: Jan 2017

Form Air 7
Daily Average
Monitoring Data
for NOx



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	
	Daily average Kln	393	400	391	392	392	391	391	390	395	394	394	389	395	389	389	383	391	393	394	391	392	392	392	392	390	392	391	392	391	393	391	
	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	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	
Sum of exceedances		Value exceeds ELV (Y/N)																															

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

K. Bennett
Date 25.04.2017

Permit Reference Number: BL3986ID

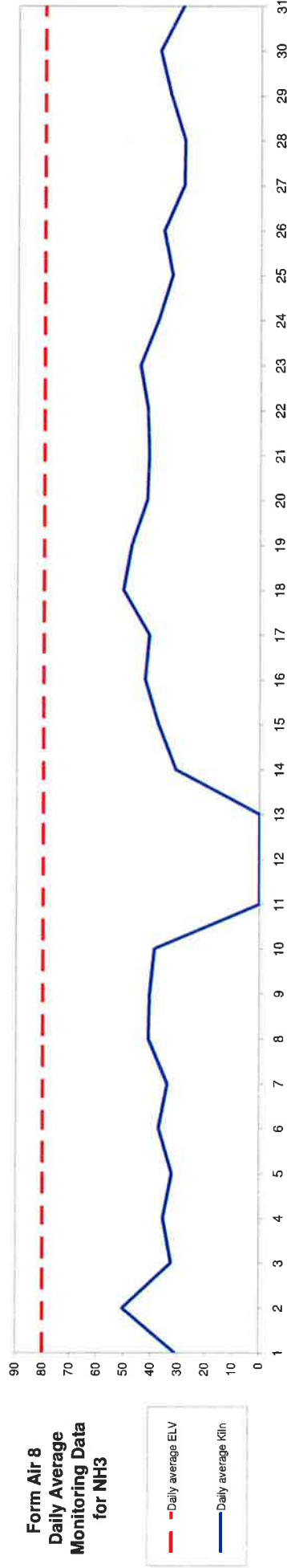
Installation: Aberthaw Works

Operator: Tarmac Cement & Lime Ltd

Date: Jan 2017

Kiln Report of Continuous Monitored Emissions (Emission Point A1)

Form Air 8
Daily Average
Monitoring Data
for NH3



Kiln

Kiln	Monthly summary																															
	Date																															
Daily average	Daily average ELV																															
	Monthly maximum																															
	Daily average Kiln																															
	Value valid?																															
	No. of invalid 1/2 hours																															
	Sum of exceedances																															
	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	
	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	
	31	50	33	36	32	37	34	41	41	39	0	0	0	31	38	43	41	51	48	42	41	42	45	38	33	36	29	28	33	37	29	
	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	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
	Value exceeds ELV (N/A)																															

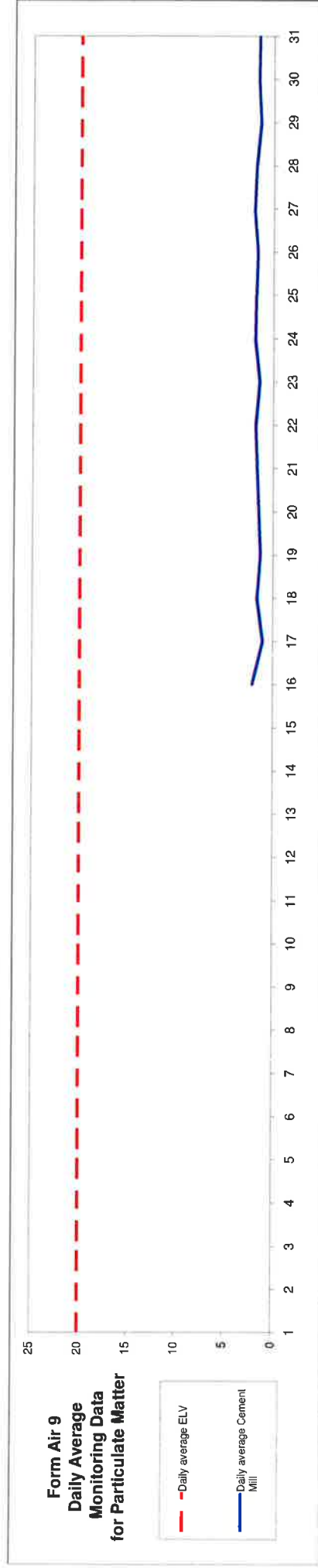
Signed: K.Bennett Date: 25.04.2017
(Authorised to sign as representative of Tarmac Cement & Lime Ltd)

Permit Reference Number: BL3986ID
Installation: Aberthaw Works

Operator: Tarmac Cement & Lime Ltd

Date: Jan 2017

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



Cement Mill

Monthly summary		Date																																
Daily average	Monthly maximum	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		
	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		
	Total invalid 1/2 hours																																	
	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	N	
	Value exceeds ELV (Y/N)																																	
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	20	
Daily average Cement Mill																																		
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	
No. of invalid 1/2 hours																																		
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	N	
Value exceeds ELV (Y/N)																																		

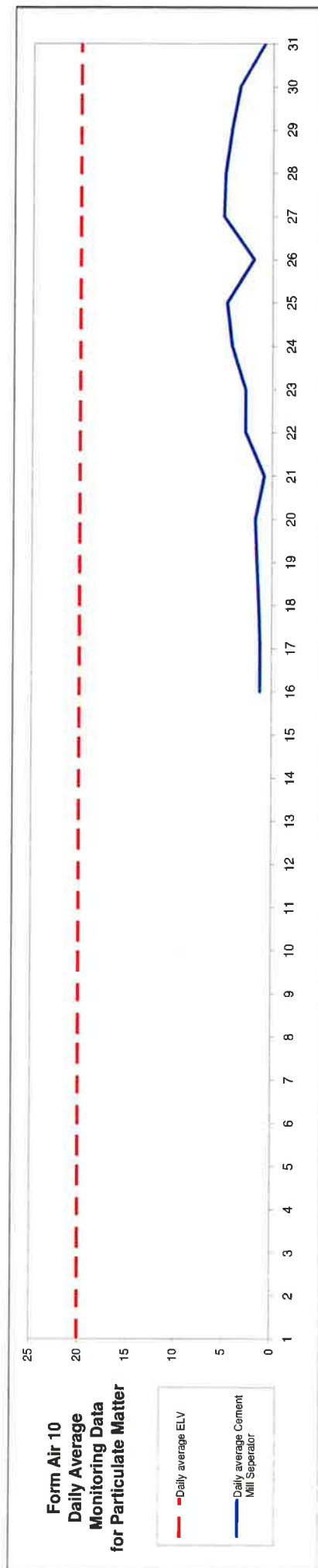
Signed K.Bennett Date 25.04.2017
(Authorised to sign as representative of Tarmac Cement & Lime Ltd)

Permit Reference Number: BL3986ID
Installation: Aberhaw Works

Operator: Tarmac Cement & Lime Ltd

Date: Jan 2017

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



Cement Mill Separator

Daily average	Monthly summary																																
	Monthly maximum	5	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
No. of invalid days																																	
Total invalid 1/2 hours																																	
Sum of exceedances																																	

Signed K.Bennett Date 26.04.2017
(Authorised to sign as representative of Tarmac Cement & Lime Ltd)