

Permit Reference Number: BL3986ID

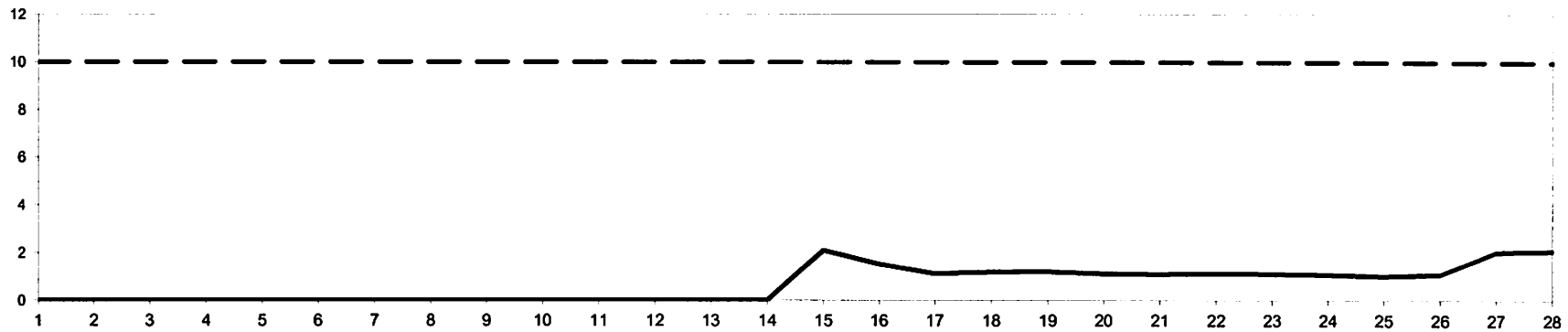
Operator: Tarmac Cement & Lime Ltd
Feb-18

Installation: Aberthaw Works

Kiln Report of Continuous Monitored Emissions (Emission Point A1)

Form Air 2
Daily Average
Monitoring Data
for Particulate Matter

— Daily average ELV
— Daily average 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
Daily average	Monthly maximum	2	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
	No. of invalid days		Daily average Kiln															2.10	1.53	1.13	1.21	1.21	1.13	1.10	1.14	1.12	1.09	1.02	1.10	2.04	2.10
	Total invalid 1/2 hours		No. of invalid 1/2 hours	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	Sum of exceedences		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

Signed K.Bennett Date 24.04.2018
(Authorised to sign as representative of Tarmac Cement & Lime Ltd)

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Installation: Aberthaw Works

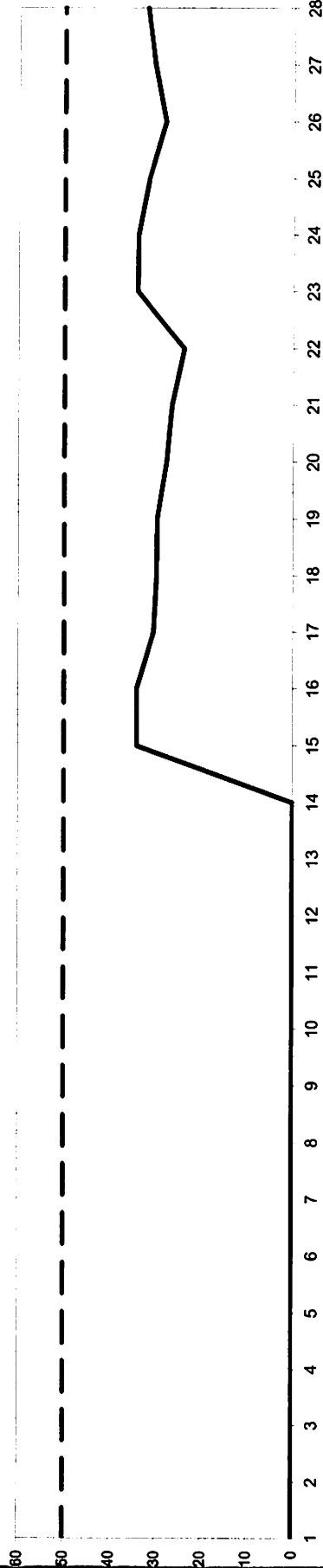
Operator: Tarmac Cement & Lime Ltd
Feb-18

Kiln Report of Continuous Monitored Emissions (Emission Point A1)

Form Air 3
Daily Average
Monitoring Data
for TOC

— Daily average ELV

— Daily average Kiln



Kiln	Monthly summary		Date																											
			Daily average ELV																											
		34	Daily average Kiln																											
	Monthly maximum		Value valid?																											
	No. of invalid days		No. of invalid 1/2 hours																											
Total invalid 1/2 hours		Value exceeds ELV (Y/N)																												
Sum of exceedances		Sum of exceedances																												

Signed K.Bennett Date 24.04.2018
(Authorised to sign as representative of Tarmac Cement & Lime Ltd)

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Permit Reference Number: BL3986ID

Operator: Tarmac Cement & Lime Ltd
Feb-18

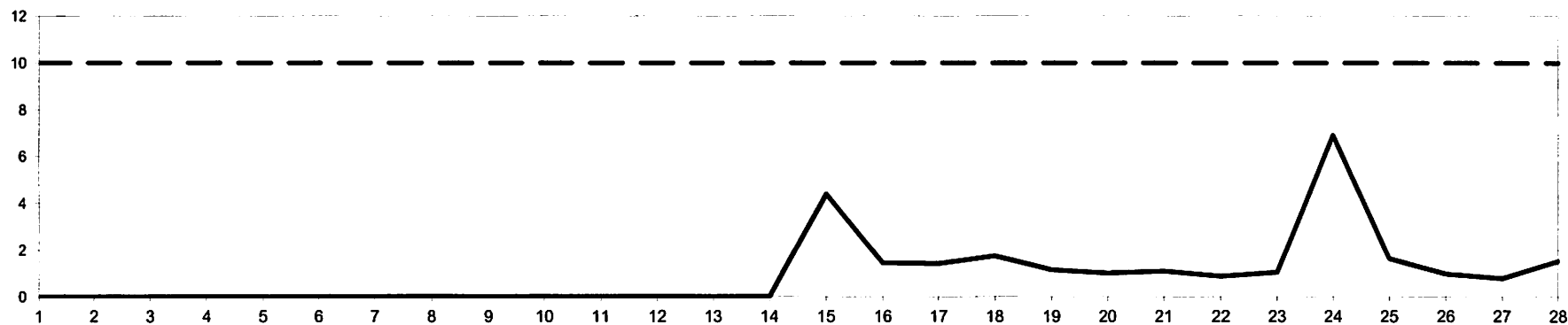
Installation: Aberthaw Works

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

**Form Air 4
Daily Average
Monitoring Data
for HCl**

— Daily average ELV

— Daily average 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	
			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	
	Monthly maximum	7	Daily average Kiln																4.38	1.43	1.41	1.74	1.15	1.00	1.09	0.87	1.04	6.90	1.63	0.97	0.77	1.51	
	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																															

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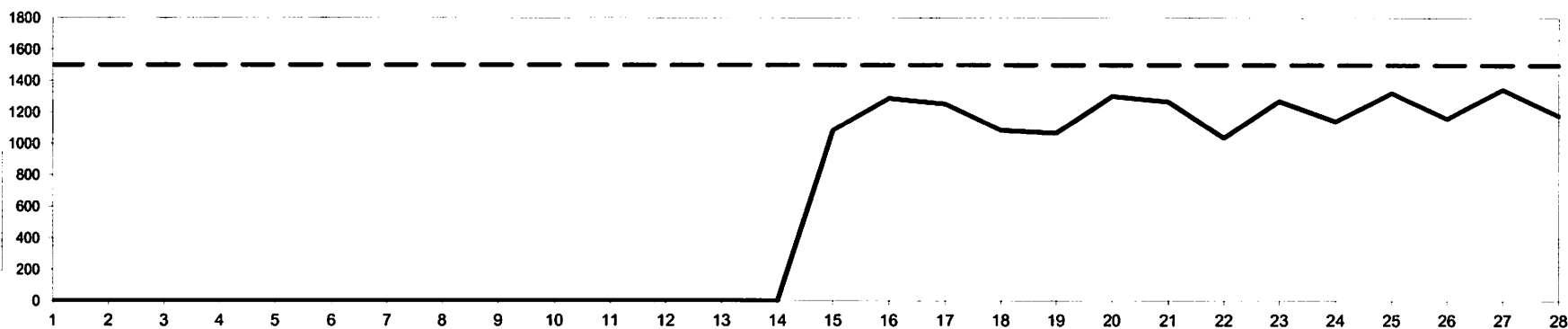
Operator: Tarmac Cement & Lime Ltd
Feb-18

Installation: Aberthaw Works

Kiln Report of Continuous Monitored Emissions (Emission Point A1)

Form Air 5 Daily
Average
Monitoring Data
for CO

— Daily average ELV
— Daily average Kiln



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	
			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	
	Monthly maximum	1346	Daily average Kiln															1082	1288	1252	1085	1066	1302	1267	1035	1270	1141	1324	1160	1346	1179	
	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	
	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

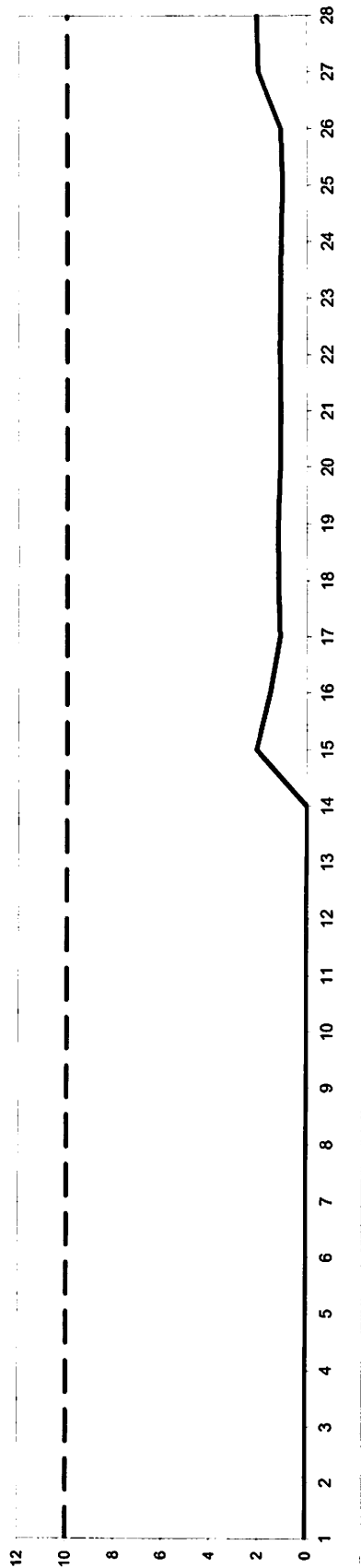
Signed K.Bennett Date 24.04.2018
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Permit Reference Number: BL3986ID
Installation: Aberhaw Works
Operator: Tarmac Cement & Lime Ltd
Feb-18

Kiln Report of Continuous Monitored Emissions (Emission Point A1)

Form Air 2
Daily Average
Monitoring Data
for Particulate Matter



Kiln	Monthly summary		Date																											
	Monthly maximum	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
Daily average	2	Daily average Kiln	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
	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
	Total invalid 1/2 hours	No. of invalid 1/2 hours	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
	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

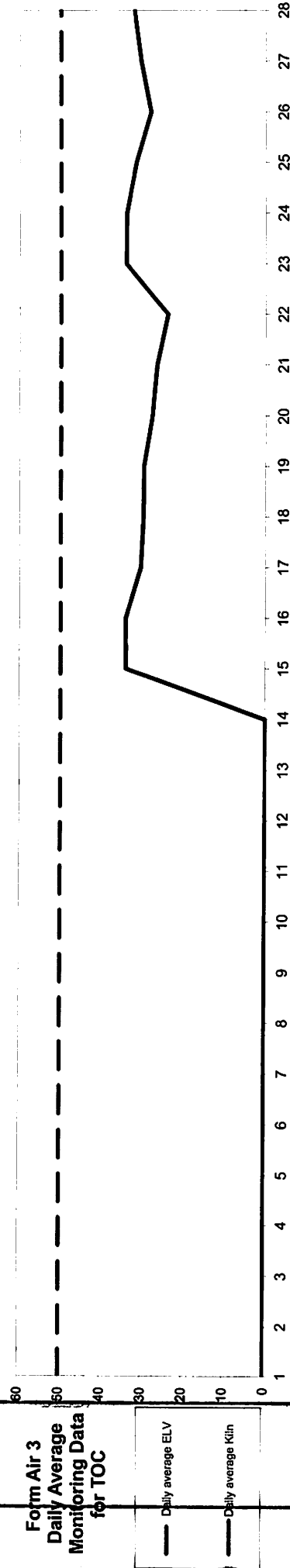
Signed K.Bennett Date 24.04.2018
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26/4/18

Installation: Aberthaw Works

Operator: Tarmac Cement & Lime Ltd
Feb-18

Kiln Report of Continuous Monitored Emissions (Emission Point A1)

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Signed **K.Bennett** Date **24.04.2018**
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26/4/18.

Permit Reference Number: BL3986ID

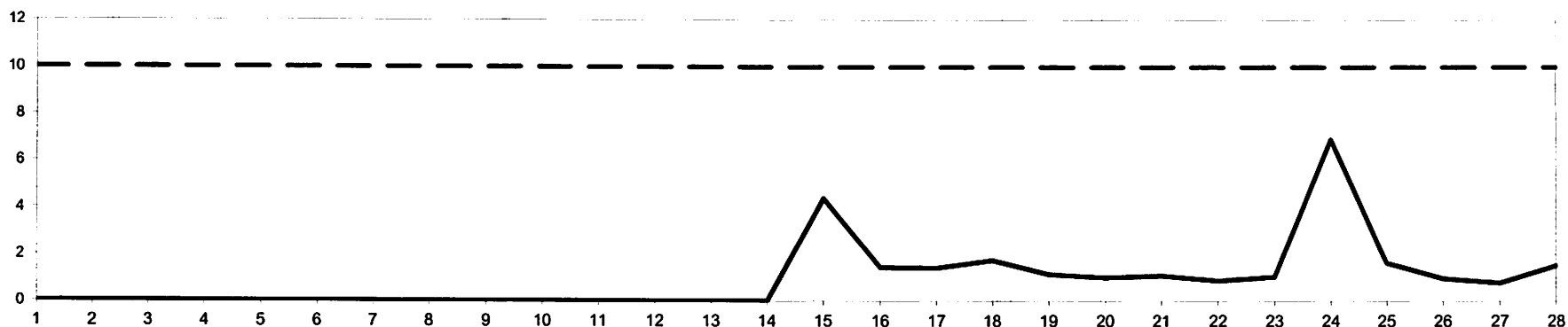
Operator: Tarmac Cement & Lime Ltd
Feb-18

Installation: Aberthaw Works

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

**Form Air 4
Daily Average
Monitoring Data
for HCl**

— Daily average ELV
— Daily average Kiln



in

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
Daily average	Monthly maximum	7	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
	No. of invalid days		Daily average Kiln														4.38	1.43	1.41	1.74	1.15	1.00	1.09	0.87	1.04	6.90	1.63	0.97	0.77	1.51
	Total invalid 1/2 hours		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
	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

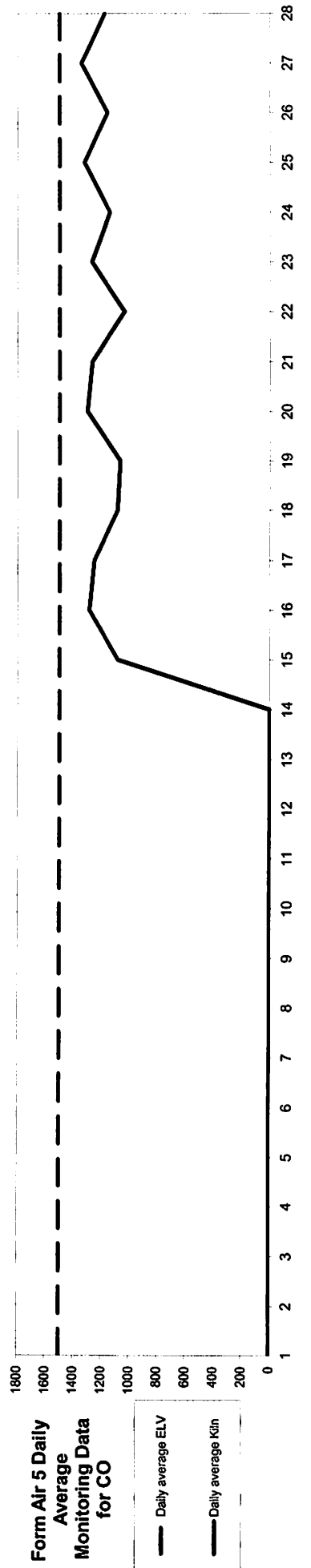
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Permit Reference Number: BL3986ID
Operator: Tarmac Cement & Lime Ltd
Feb-18

Installation: Aberthaw Works

Klin Report of Continuous Monitored Emissions (Emission Point A1)



Klin	Monthly summary		Date																													
	Monthly maximum	1346	Daily average ELV	Daily average Klin	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
Daily average	Monthly maximum				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
	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	
	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

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Permit Reference Number: BL3986ID

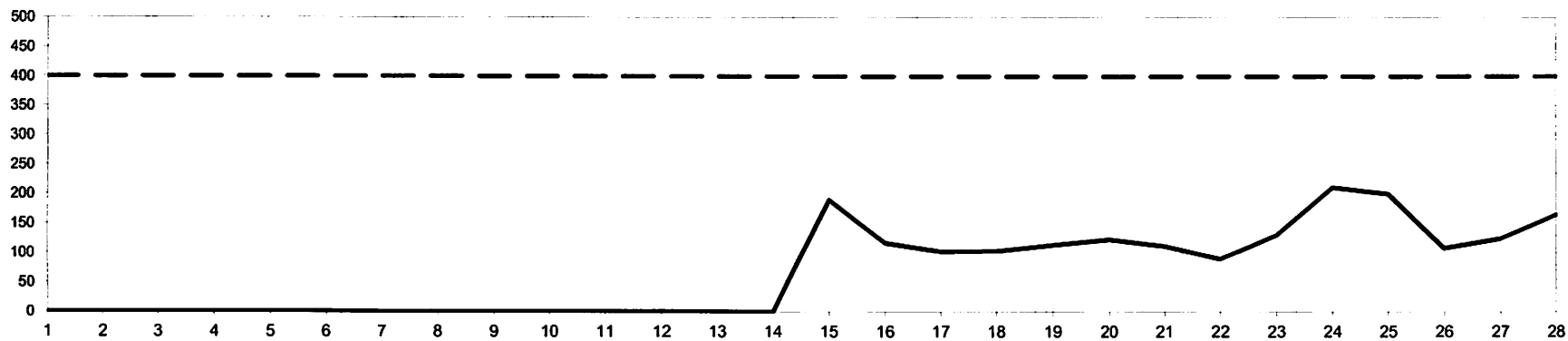
Operator: Tarmac Cement & Lime Ltd
Feb-18

Installation: Aberthaw Works

Kiln Report of Continuous Monitored Emissions (Emission Point A1)

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

— 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
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
	Monthly maximum	211	Daily average Kiln														190	117	102	103	113	123	112	89	130	211	200	108	125	164
	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
	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

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Permit Reference Number: BL3986ID

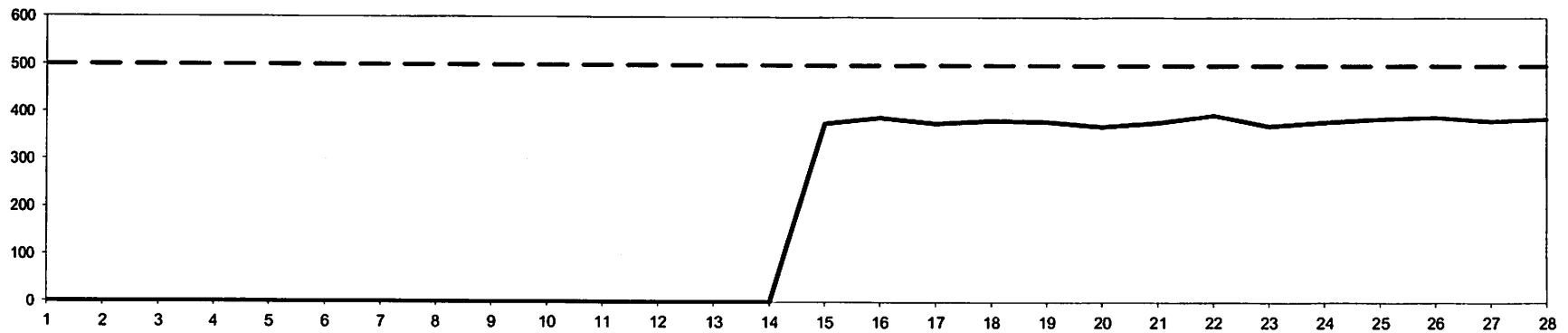
Operator: Tarmac Cement & Lime Ltd
Feb-18

Installation: Aberthaw Works

Kiln Report of Continuous Monitored Emissions (Emission Point A1)

**Form Air 7
Daily Average
Monitoring Data
for NOx**

— Daily average ELV
— Daily average K_{in}



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
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	
	Monthly maximum	395	Daily average K _{in}															377	389	377	383	381	370	379	395	373	380	388	391	383	388	
	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	
	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

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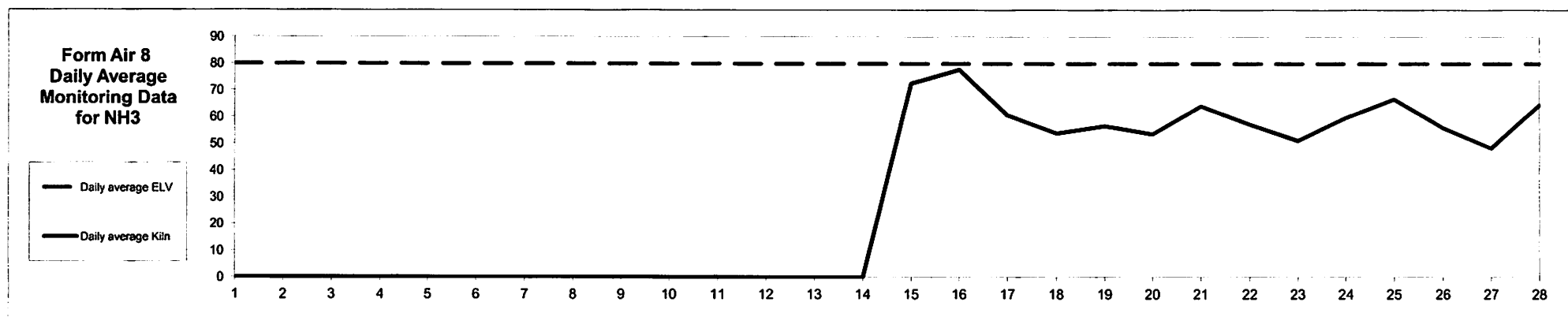
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Operator: Tarmac Cement & Lime Ltd
Feb-18

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	
			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	
	Monthly maximum	78	Daily average Kiln	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	73	78	61	54	57	54	64	57	51	60	67	56	48	64
	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	
	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

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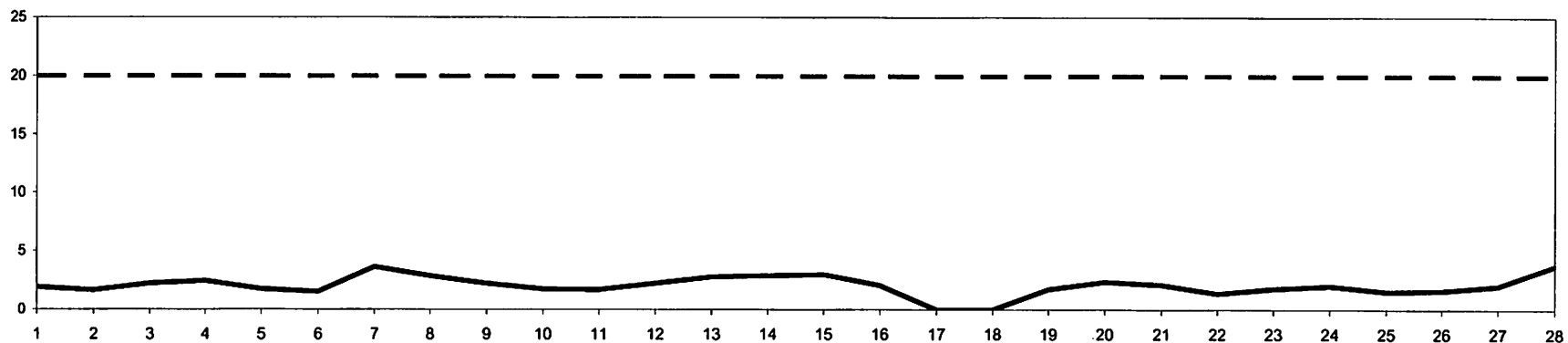
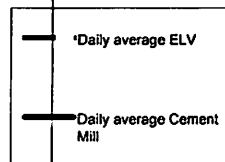
Permit Reference Number: BL3986ID

Operator: Tarmac Cement & Lime Ltd
Feb-18

Installation: Aberthaw Works

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

**Form Air 9
Daily Average
Monitoring Data
for Particulate Matter**



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	
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	
	Monthly maximum	#REF!	Daily average Cement Mill	1.93	1.65	2.23	2.45	1.75	1.51	3.63	2.86	2.21	1.74	1.70	2.24	2.80	2.89	2.88	2.06				1.74	2.35	2.11	1.37	1.79	2.01	1.54	1.62	2.02	3.74
	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	
	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

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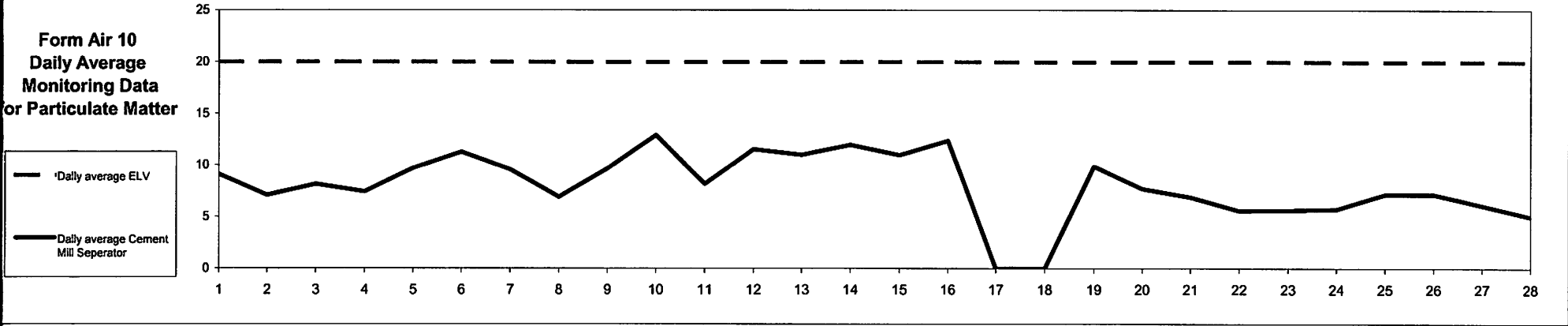
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Operator: Tarmac Cement & Lime Ltd
Feb-18

Installation: Aberthaw Works

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



Cement Mill Separator

Monthly summary			Date																													
Daily average			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	
	Monthly maximum	#REF!	Daily average Cement Mill Separator	9.10	7.07	8.16	7.42	9.68	11.28	9.58	6.91	9.67	12.91	8.17	11.56	11.01	11.99	11.00	12.37			9.88	7.71	6.91	5.60	5.64	5.74	7.18	7.18	6.10	5.01	
	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	
	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

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