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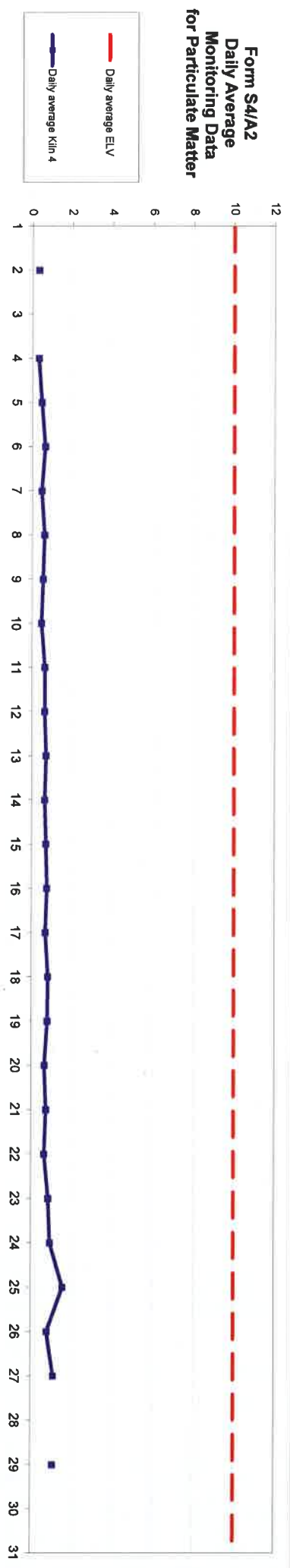
Permit Reference Number: BL10961B/V010

Operator: Castle Cement Ltd

Installation: Padeswood Works

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

Form S4/A2
Daily Average
Monitoring Data
for Particulate Matter



Kiln 4																																	
December 2013																																	
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			2	0.34		0.32	0.47	0.65	0.48	0.62	0.55	0.47	0.64	0.64	0.71	0.65	0.71	0.76	0.69	0.82	0.80	0.66	0.74	0.65	0.86	0.95	1.58	0.79	1.12	1.09			
Daily average																																	
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
No. of invalid 1/2 hours																																	
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 Victoria Smith
(Authorised to sign as representative of Castle Cement Ltd)

Date 08/01/2014

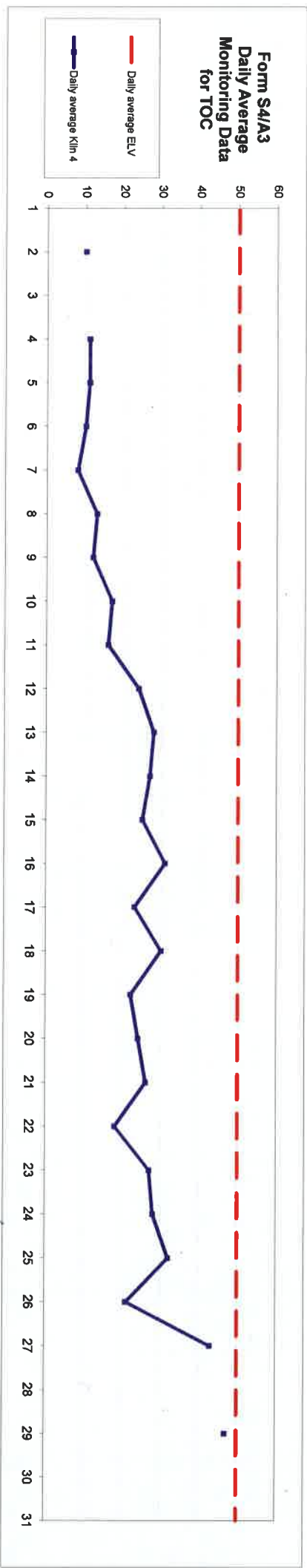
UNIONHONG RETURNS N. WALES
CHECKED by AUTHORIZATION
TRACONS
OK FOR PUBLIC RELEASE
INITIALS DATE
SL 28.1.14
JB 28.1.14
SR 28.1.14
JB EDDM

Permit Reference Number: BL10961BAV010

Operator: Castle Cement Ltd

Installation: Padeswood Works

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



Kiln 4

	December 2013	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 Kiln 4	10	10	10	11	11	10	8	13	12	17	16	24	28	27	25	31	23	30	22	24	26	18	27	28	32	21	43	47	50	50	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?	Y	Y	Y	Y	Y	Y	Y	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 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
		Sum of exceedances																															
		Total invalid 12 hours																															
		No. of invalid 12 hours																															
		Sum of exceedances																															

Signed Victoria Smith
(Authorised to sign as representative of Castle Cement Ltd)

Date 08/01/2014

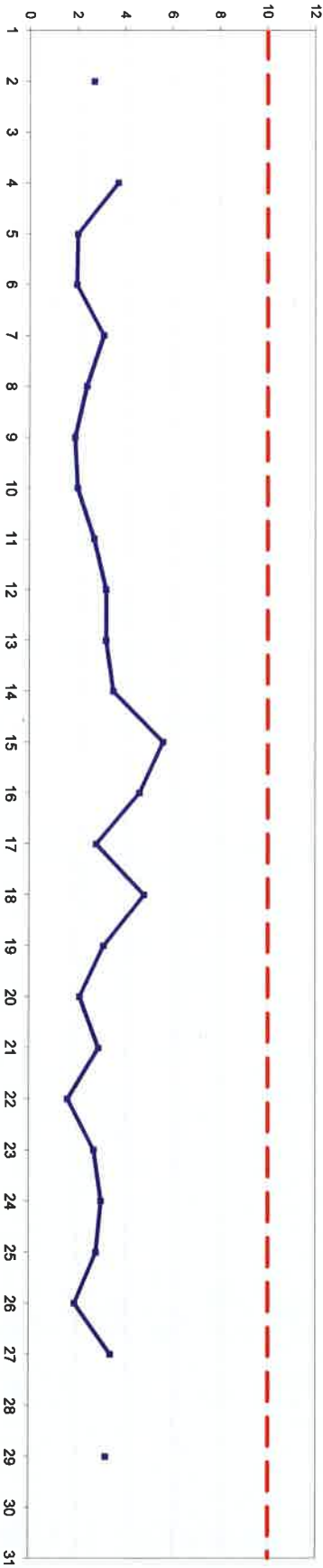
Permit Reference Number: BL10961BW010

Operator: Castle Cement Ltd

Installation: Padeswood Works

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

Form S4/A4
Daily Average
Monitoring Data
for HCl



Kiln 4			December 2013																														
Daily average	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	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
	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																																	

Signed Victoria Smith
(Authorised to sign as representative of Castle Cement Ltd)

Date 08/01/2014

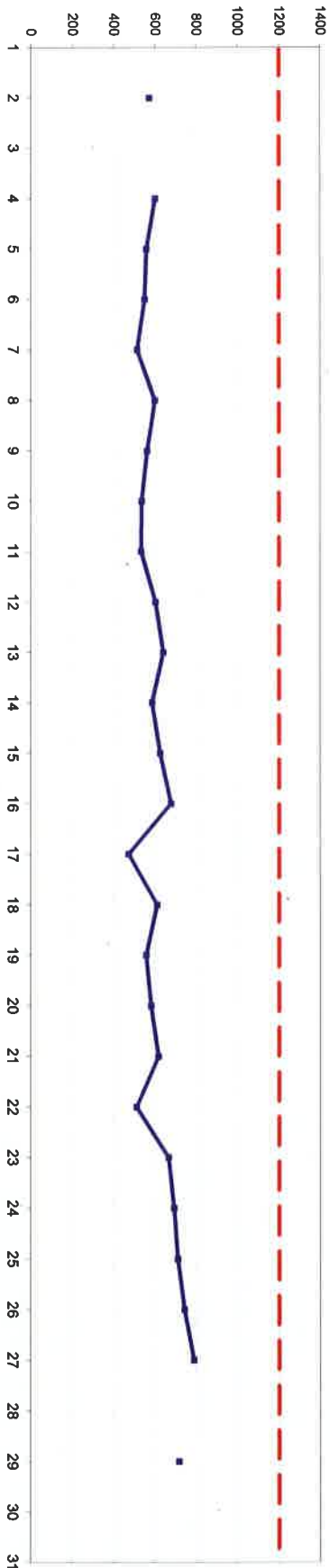
Permit Reference Number: BL10961BMV010

Operator: Castle UK Cement Ltd

Installation: Padeswood Works

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

Form S4/A5
Daily Average
Monitoring Data
for CO



Kiln 4		April 2013																														
Daily average	Monthly maximum	781																														
	No. of invalid days	781																														
	Total invalid 1/2 hours																															
	Sum of exceedances																															

Signed Victoria Smith
(Authorised to sign as representative of Castle UK Cement Ltd)

Date 08/01/2014

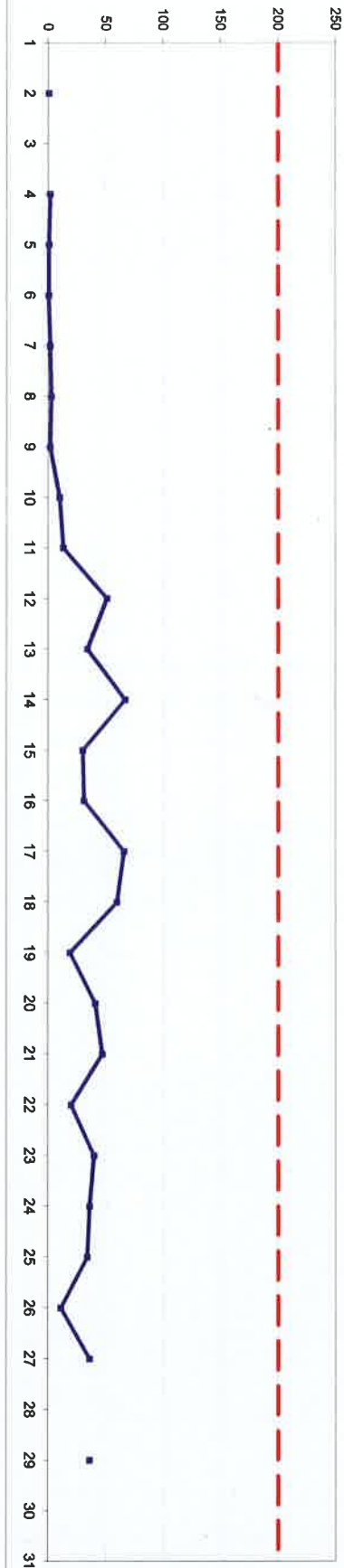
Permit Reference Number: BL10961BW/010

Operator: Castle Cement Ltd

Installation: Padeswood Works

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

Form SA/A6
Daily Average
Monitoring Data
for SOx



Kiln 4																												
December 2013																												
Date																												
Daily average ELV																												
Monthly maximum																												
No. of invalid days																												
Value valid?																												
No. of invalid 1/2 hours																												
Value exceeds ELV (Y/N)																												
Sum of exceedances																												
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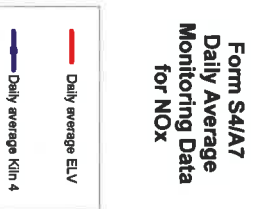
Signed
(Authorised to sign as representative of Castle Cement Ltd)

Victoria Smith

Date 08/01/2014

Operator: Castle Cement Ltd

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

[illegible]

Victoria Smith

Date 08/01/2014

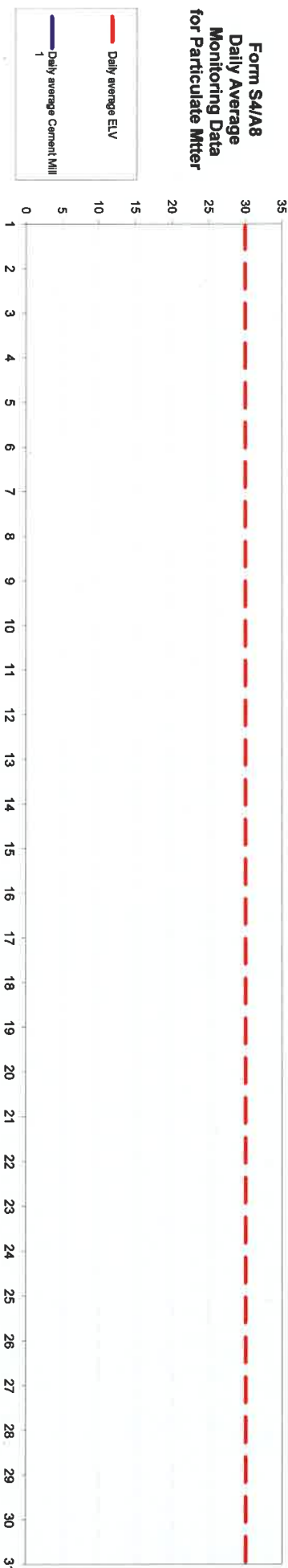
Permit Reference Number: BL109618/V010

Operator: Castle Cement Ltd

Installation: Padeswood Works

Kiln Report of Continuous Monitored Emissions from Cement Mill 1 (Emission Point A3)

Form S4/A8
Daily Average
Monitoring Data
for Particulate Matter



Cement Mill 1		December 2013																															
Daily average	Monthly maximum	Daily average ELV																															
	No. of invalid days	Daily average Cement Mill 1																															
	Total invalid 1/2 hours	Value valid?																															
	Sum of exceedances	Value exceeds ELV (Y/N)																															
		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	
		30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	
		Y	Y	Y	Y	Y	Y	Y	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

Mill 1 not in Operation

Signed Victoria Smith
(Authorised to sign as representative of Castle Cement Ltd)

Date 08/01/2014

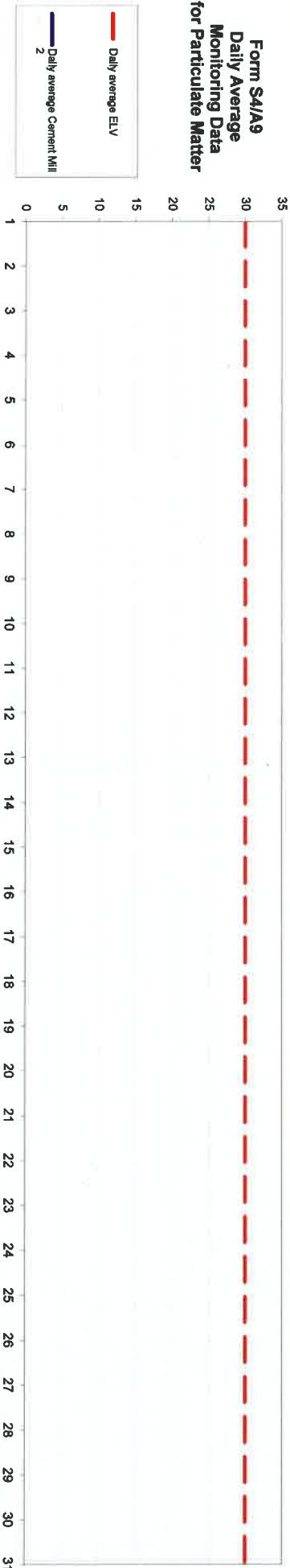
Permit Reference Number: BL10961BMV010

Operator: Castle Cement Ltd

Installation: Padeswood Works

Kiln Report of Continuous Monitored Emissions from Cement Mill 2 (Emission Point A4)

Form S4/A9
Daily Average
Monitoring Data
for Particulate Matter



Cement Mill 2		December 2013																														
		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	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
	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																															
	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	
	Value exceeds ELV (Y/N)																															

Mill 2 not in Operation

Signed Victoria Smith
(Authorised to sign as representative of Castle Cement Ltd)

Date 08/01/2014

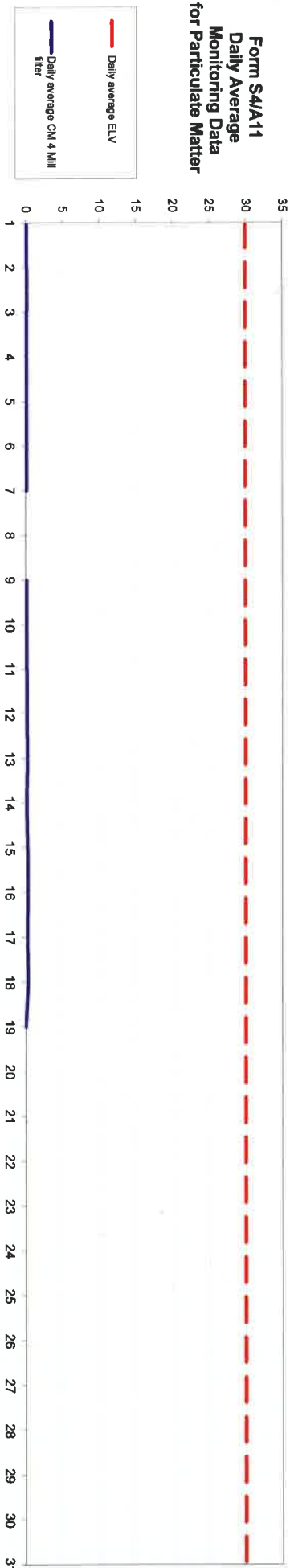
Permit Reference Number: BL10961BV/010

Operator: Castle Cement Ltd

Installation: Padeswood Works

Kiln Report of Continuous Monitored Emissions from Cement Mill 4 - mill filter (Emission Point A6)

Form S4/A11
Daily Average
Monitoring Data
for Particulate Matter



Cement Mill 4 - mill filter

		December 2013																															
		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	Daily average ELV	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
	No. of invalid days	Daily average CM 4 Mill filter	0.11	0.14	0.12	0.10	0.11	0.10	0.11	0.10	0.13	0.09	0.12	0.13	0.20	0.10	0.20	0.25	0.18	0.26													
		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 Victoria Smith
(Authorised to sign as representative of Castle Cement Ltd)

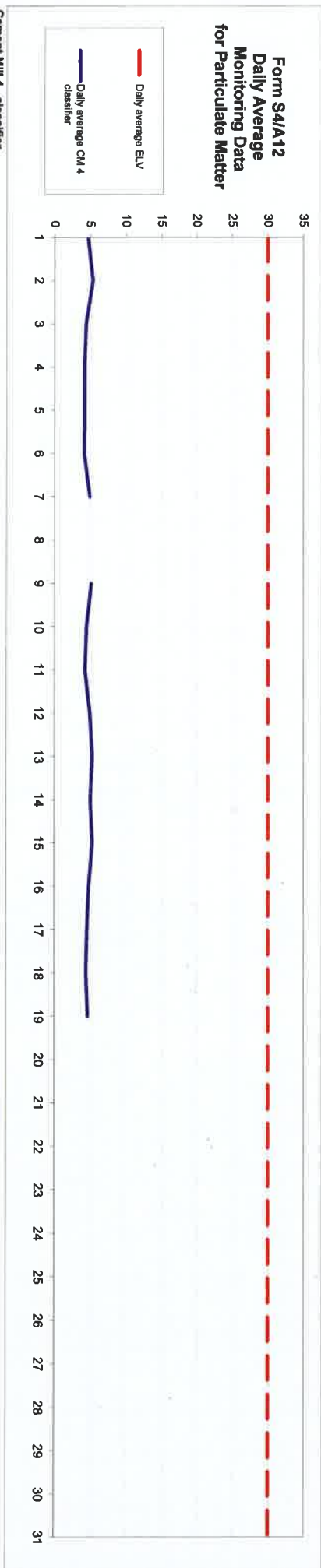
Date 08/01/2014

Permit Reference Number: BL10961BNV010

Operator: Castle Cement Ltd

Installation: Padeswood Works

Kiln Report of Continuous Monitored Emissions from Cement Mill 4 - classifier (Emission Point A7)



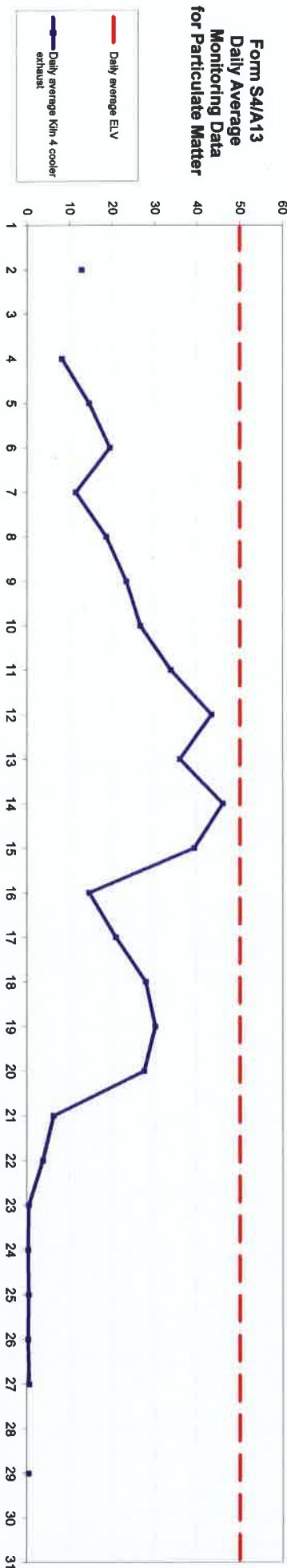
Signed Victoria Smith Date 08/01/2014
(Authorised to sign as representative of Castle Cement Ltd)

Permit Reference Number: BL10961BMV010

Operator: Castle Cement Ltd

Installation: Padeswood Works

Kiln Report of Continuous Monitored Emissions from Kiln 4 cooler exhaust (Emission Point A9)



Kiln 4 cooler exhaust

Daily average	December 2013	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 minimum																															
		46	Daily average Kiln 4 cooler exhaust		12.8		8.1	14.5	19.4	11.4	18.6	23.3	26.6	33.8	43.3	35.9	46.0	39.3	14.5	20.8	27.9	30.1	27.5	6.2	3.7	0.4	0.3	0.4	0.3	0.5	0.4		
		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
		No. of invalid 1/2 hours																															
		Total 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 Victoria Smith
(Authorised to sign as representative of Castle Cement Ltd)

Date 08/01/2014