

UPM-Kymmene (UK)

Memo
External
16th July 2013
KOS

1 (1)

Month End Report



UPM-Kymmene (UK)

Permit Reference PP3936SQ
Installation Shotton Paper

To Alison Soper
Environment Agency
Chester Road
Buckley
Flintshire
CH7 3AJ

Fax - 01244 548805

Email notif.ppcnwales@environment-agency.gov.uk

Please find enclosed graphs / reports for Continuously Monitored Emissions to Air A2 to A8 for the period ending 30th June 2013.

During the period there are no reportable incidents, you will note that on 11th June displayed on form A5 Carbon Monoxide that there is indicated 2 exceedances. These have not been reported as at the time the Boiler was off solid fuel feeding and on gas due to a problem with the fluidised bed.

If you require any further explanation of the above please let me know.

Best Regards

Kevin Smith
Utilities Manager
UPM-Kymmene (UK) Limited
Shotton Paper

Office 01244284393
Fax 01244285393
Mobile 07736497124

MONITORING RETURNS N. WALLS

	INITIALS	DATE
CHECKED Vs AUTHORISATION	AS	12-8-13
TRACKING	JB	17-7-13
OK FOR PUBLIC REGISTER	AS	12-8-13
	JB	EDRM

Permit Reference Number: PP3936SQ
Installation: Shotton Paper Mill

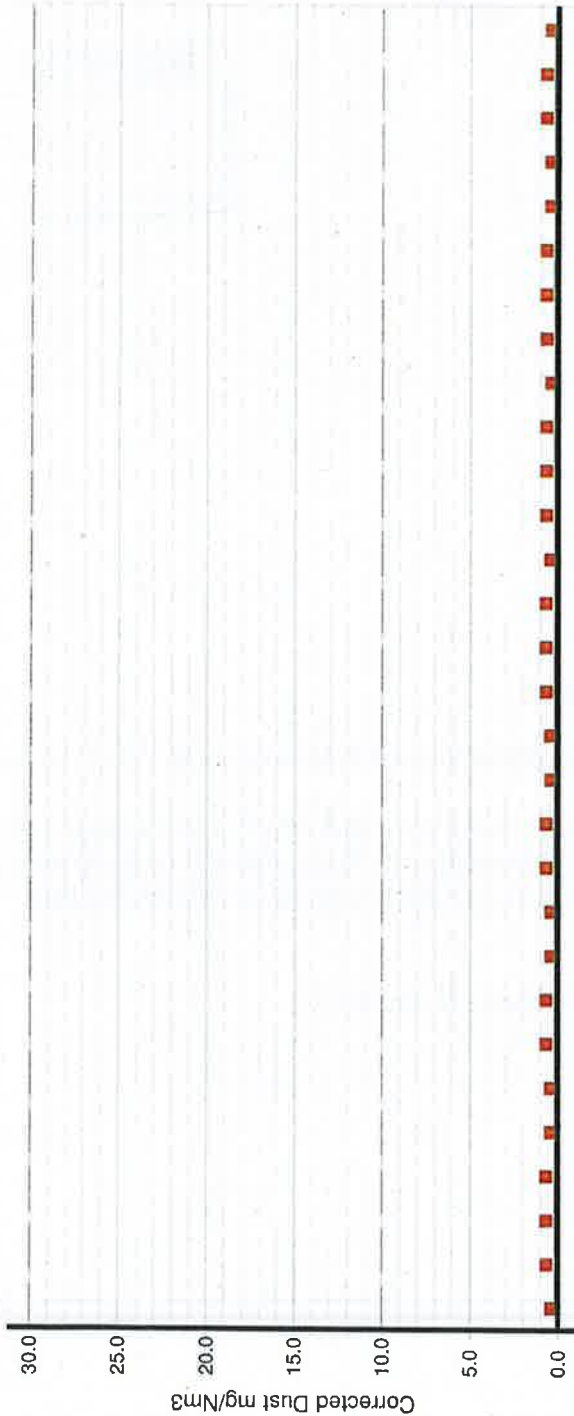
Operator: UPM-Kymmene (UK) Ltd
Form Number: Agency Form / PP3936SQ / A2 / Form Dated May 06

Reporting of Continuously Monitored Emissions to Air for Particulates Emission Point A20 for the month of June 2013

Daily and 30 min

Average monitoring

- 30 min average ELV1
- Maximum 30 min average
- Mean 30 min average
- Minimum 30 min average
- Daily average ELV1
- Daily average



30 Min 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
	Monthly maximum	--	30 min average ELV1	0.7	0.4	0.6	0.7	0.7	0.4	0.4	0.7	0.7	0.4	0.4	0.7	0.6	0.4	0.4	0.7	0.7	0.7	0.4	0.7	0.7	0.7	0.4	0.6	0.7	0.7	0.4	0.4	0.7	0.7	0.4
24 hour Average	Monthly mean	0.0	Maximum 30 min average	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Monthly minimum	0.0	Mean 30 min average	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30 Min Average	Total invalid results	0	Minimum 30 min average	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Total exceedances	0	No. invalid averages	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 hour Average	Monthly maximum	0.0	No. exceedances ELV1	--	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
	No. invalid days	0	Daily average	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24 hour Average	ELV1 exceedances	0	Value valid?	0	y	y	y	y	y	y	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 ELV1?	0	Value exceeds ELV1?	0	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

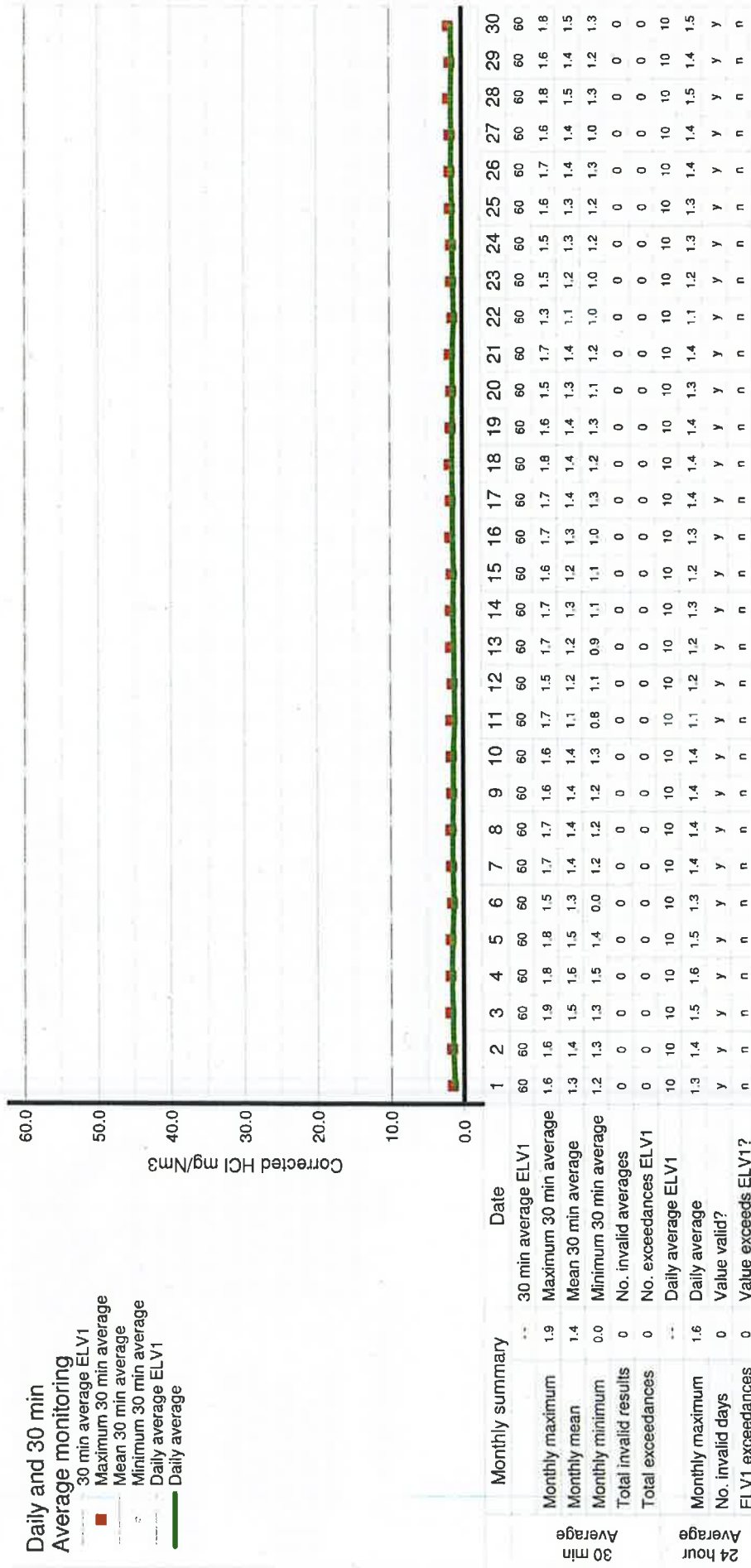
Signed
(Authorised to sign as representative of Operator)

Date: 15/6/13

Permit Reference Number: PP3936SQ
Installation: Shotton Paper Mill

Operator: UPM-Kymmene (UK) Ltd
Form Number: Agency Form / PP3936SQ / A3 / Form Dated May 06

Reporting of Continuously Monitored Emissions to Air for Hydrogen Chloride Emission Point A20 for the month of June 2013



Signed
(Authorised to sign as representative of Operator)

Date 15/7/13

Permit Reference Number: PP3936SQ
Installation: Shotton Paper Mill

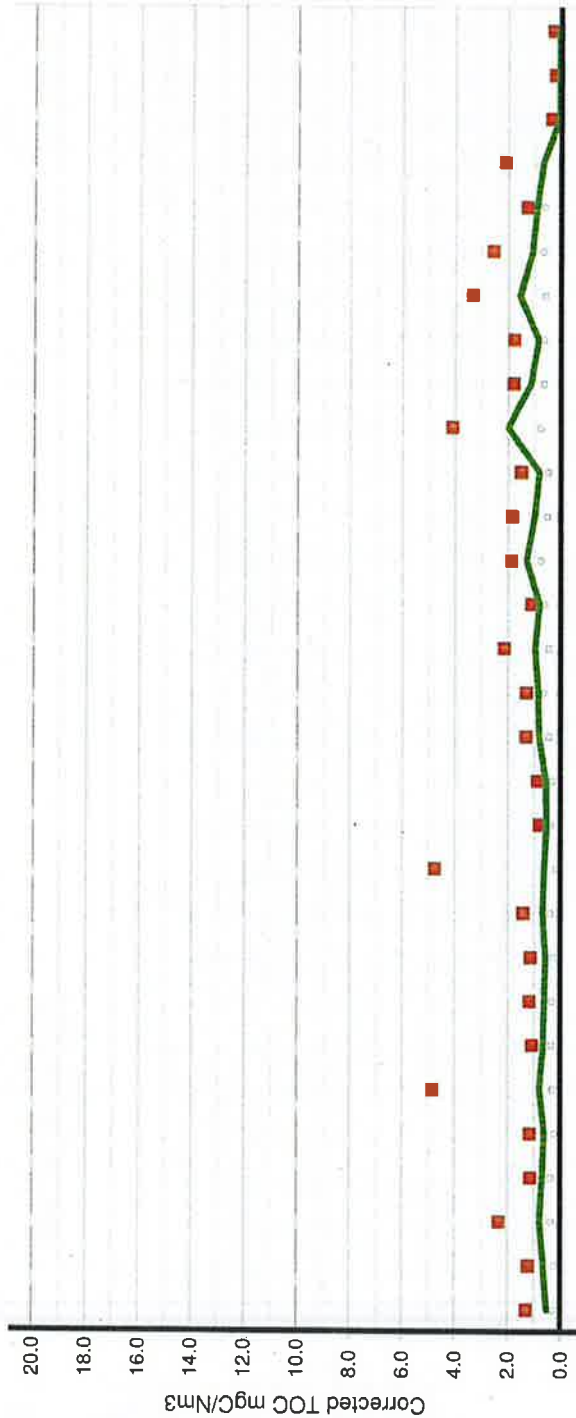
Operator: UPM-Kymmene (UK) Ltd
Form Number: Agency Form / PP3936SQ /A4 /Form Dated May 06

Reporting of Continuously Monitored Emissions to Air for TOC Emission Point A20 for the month of June 2013

Daily and 30 min

Average monitoring

- 30 min average ELV1
- Maximum 30 min average
- Mean 30 min average
- Minimum 30 min average
- Daily average ELV1
- Daily average



Monthly summary		Date																																			
30 min Average	--	30 min average ELV1	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	20	20	
	4.8	Maximum 30 min average	1.3	1.2	2.3	1.1	1.1	4.8	1.1	1.2	1.1	1.4	4.8	0.8	0.9	1.3	1.3	2.1	1.1	1.9	1.8	1.5	4.1	1.8	1.8	3.3	2.6	1.3	2.1	0.4	0.2	0.3	0.1	0.1	0.1	0.1	
	0.8	Mean 30 min average	0.5	0.6	0.8	0.7	0.6	0.8	0.7	0.6	0.6	0.7	0.6	0.5	0.5	0.8	0.9	1.0	0.8	1.3	1.0	0.8	2.0	1.1	0.9	1.6	1.1	0.9	0.7	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
	0.0	Monthly minimum	0.3	0.2	0.4	0.4	0.2	0.3	0.4	0.3	0.4	0.3	0.4	0.2	0.4	0.3	0.5	0.6	0.5	0.6	0.8	0.5	0.5	0.8	0.6	0.6	0.7	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	0	Total invalid results	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
24 hour Average	0	No. exceedances ELV1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	--	Daily average ELV1	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	10	10	10
	2.0	Daily average	0.5	0.6	0.8	0.7	0.6	0.8	0.7	0.6	0.6	0.7	0.6	0.5	0.5	0.8	0.9	1.0	0.8	1.3	1.0	0.8	2.0	1.1	0.9	1.6	1.1	0.9	0.7	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
	0	No. 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	y	y	y	
	0	Value exceeds ELV1?	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n
ELV1 exceedances		0	Value exceeds ELV1?	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n	n

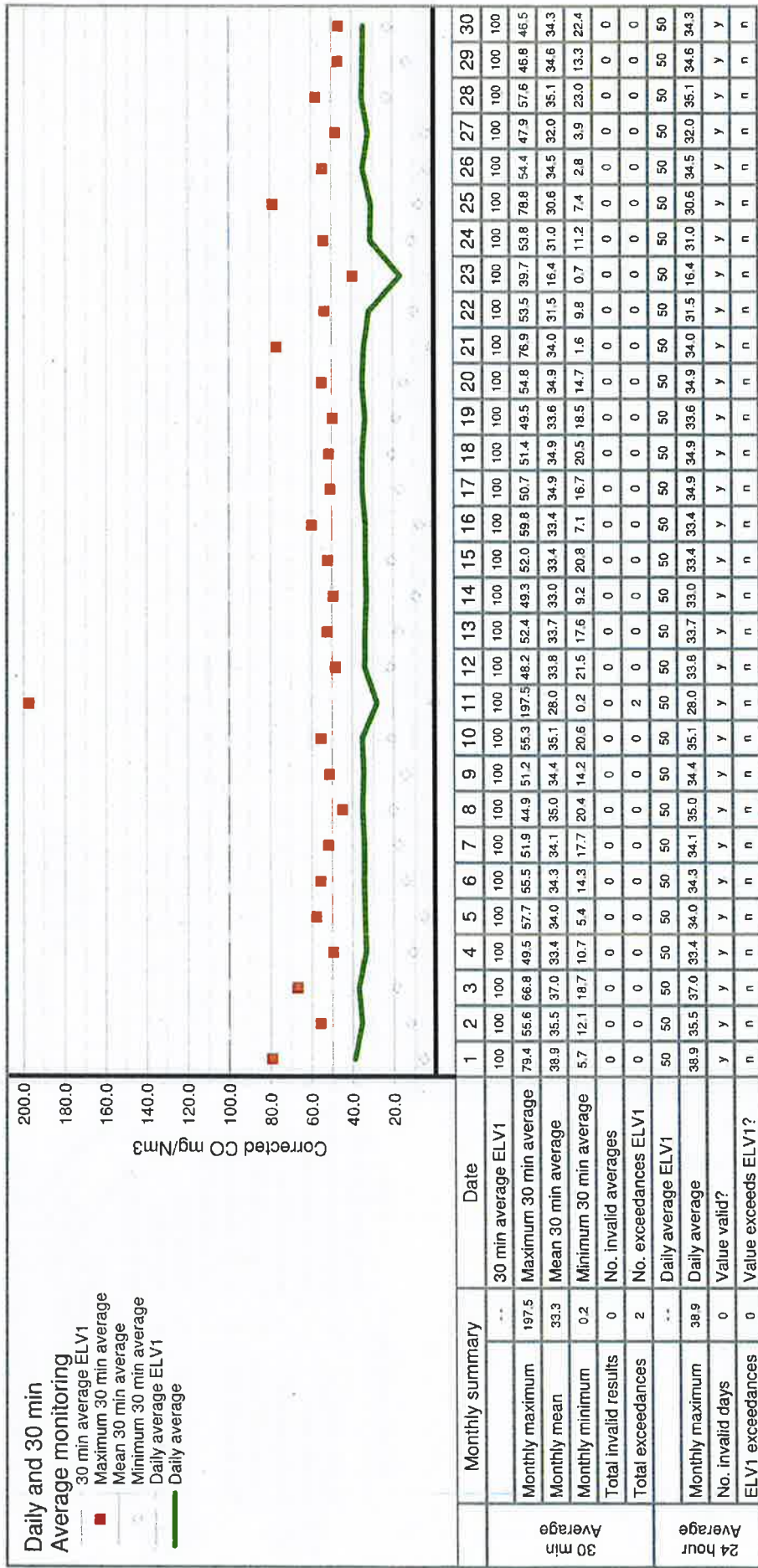
Signed _____
(Authorised to sign as representative of Operator)

Date: 15/6/13

Permit Reference Number: PP3936SQ
Installation: Shotton Paper Mill

Operator: UPM-Kymmene (UK) Ltd
Form Number: Agency Form / PP3936SQ /A5 /Form Dated May 06

Reporting of Continuously Monitored Emissions to Air for Carbon Monoxide Emission Point A20 for the month of June 2013



Signed  (Authorised to sign as representative of Operator)

Date 15/7/13

Permit Reference Number: PP3936SQ
Installation: Shotton Paper Mill

Operator: UPM-Kymmene (UK) Ltd
Form Number: Agency Form / PP3936SQ / A6 / Form Dated May 06

Reporting of Continuously Monitored Emissions to Air for Sulphur Dioxide Emission Point A20 for the month of June 2013



30 min Average	Monthly summary																															
	Date																															
30 min Average	30 min average ELV1																															
	18.1	Maximum 30 min average	5.0	5.4	6.1	4.9	4.9	18.1	5.2	5.2	5.0	4.9	9.2	8.9	9.5	8.3	9.6	10.3	4.8	4.8	7.4	8.6	10.2	9.8	8.2	5.0	4.9	5.9	4.9	4.9	5.0	
	4.4	Mean 30 min average	4.1	4.1	3.8	3.3	3.8	4.7	4.1	3.9	3.9	4.0	5.8	4.4	4.7	4.0	4.2	4.6	4.1	3.7	3.8	3.9	4.3	7.9	5.6	4.8	4.6	4.5	4.4	4.3	4.4	4.0
	1.3	Minimum 30 min average	3.2	2.9	2.1	2.3	2.3	3.4	2.6	2.4	2.9	3.2	2.3	3.1	2.1	2.9	3.2	2.5	1.9	1.8	3.3	2.9	2.6	4.0	3.4	4.2	2.8	3.3	2.1	1.3	2.6	1.4
24 hour Average	Total invalid results																															
	Total exceedances																															
	--	Daily average ELV1	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
	7.9	Daily average	4.1	4.1	3.8	3.3	3.8	4.7	4.1	3.9	3.9	4.0	5.8	4.4	4.7	4.0	4.2	4.6	4.1	3.7	3.8	3.9	4.3	7.9	5.6	4.8	4.6	4.5	4.4	4.3	4.4	4.0
No. Invalid days																																
Value exceeds ELV1?																																

Signed Date 15/7/13

(Authorised to sign as representative of Operator)

Permit Reference Number: PP3936SQ
Installation: Shotton Paper Mill

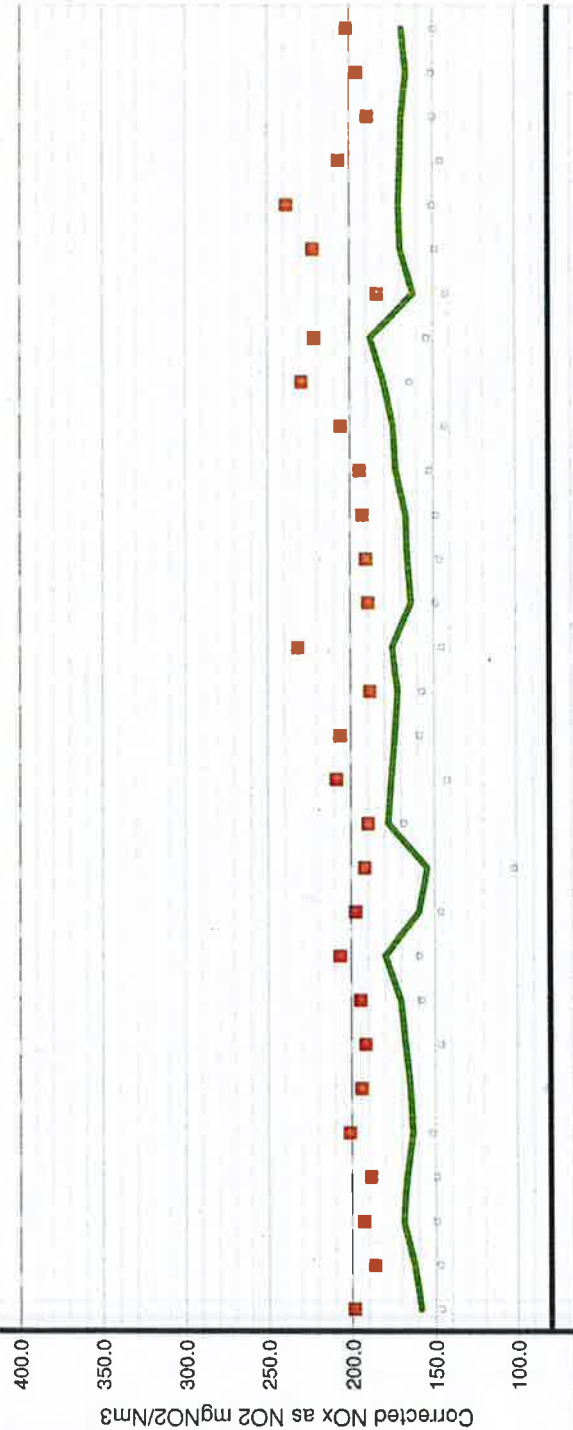
Operator: UPM-Kymmene (UK) Ltd
Form Number: Agency Form / PP3936SQ/A7 / Form Dated May 06

Reporting of Continuously Monitored Emissions to Air for Oxides of Nitrogen Emission Point A20 for the month of June 2013

Daily and 30 min

Average monitoring

- 30 min average ELV1
- Maximum 30 min average
- Mean 30 min average
- Minimum 30 min average
- Daily average ELV1
- 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				
Average 30 min	30 min average ELV1		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			
	238.2	Maximum 30 min average	198.6	186.3	192.7	188.6	201.1	194.1	191.5	194.6	206.7	197.3	191.9	189.6	208.6	206.1	188.4	231.2	189.4	190.9	192.8	194.5	205.4	229.2	221.2	183.9	222.3	238.2	206.5	189.5	195.9	201.9		
	169.2	Mean 30 min average	158.7	162.7	169.1	167.1	163.4	165.0	167.6	170.4	179.6	159.5	154.3	177.7	175.8	173.4	171.7	175.0	163.7	165.8	166.7	172.5	174.2	179.9	187.9	162.1	169.7	170.6	169.6	168.9	166.0	168.8		
	81.8	Minimum 30 min average	146.5	147.3	149.4	149.4	151.9	81.8	146.4	157.9	159.2	146.4	101.4	168.1	142.3	158.6	157.3	145.2	148.8	146.8	148.5	152.6	143.2	164.2	154.1	142.3	148.9	150.3	145.6	149.9	150.8	149.6		
Average 24 hour	Total invalid results		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	Total exceedances		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	--	Daily average ELV1	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200		
	187.9	Daily average	158.7	162.7	169.1	167.1	163.4	165.0	167.6	170.4	179.6	159.5	154.3	177.7	175.8	173.4	171.7	175.0	163.7	165.8	166.7	172.5	174.2	179.9	187.9	162.1	169.7	170.6	169.6	168.9	166.0	168.8		
No. invalid days		0	y	y	y	y	y	y	y	y	y	y	y	y	y	y	y	y	y	y	y	y	y	y	y	y	y	y	y	y	y	y		
ELV1 exceedances		0	n	n	n	n	n	n	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  (Authorised to sign as representative of Operator)

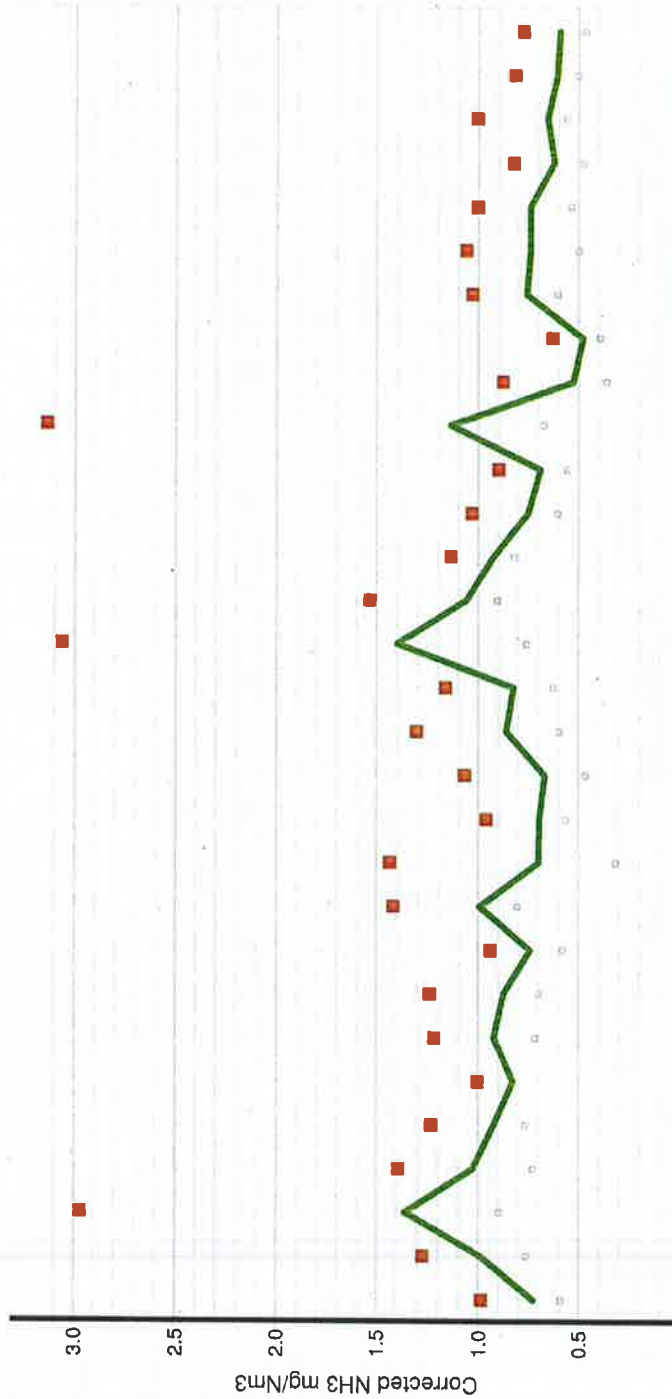
Date 15/7/13

Unit Reference Number: PP3936SQ
Location: Shotton Paper Mill

Operator: UPM-Kymmene (UK) Ltd
Form Number: Agency Form / PP3936SQ /A8 /Form Dated May 06

Reporting of Continuously Monitored Emissions to Air for Ammonia Emission Point A20 for the month of June 2013

Daily and 30 min
average monitoring
■ Maximum 30 min average
— Mean 30 min average
□ Minimum 30 min average
— Daily average



Monthly summary		Date																													
Unit	Monthly maximum	3.1	1.0	1.3	3.0	1.4	1.2	1.0	1.2	1.2	0.9	1.4	1.4	1.0	1.1	1.3	1.2	3.1	1.5	1.1	1.0	0.9	3.1	0.9	0.6	1.0	1.1	1.0	0.8	1.0	0.8
	Monthly mean	0.8	0.7	1.0	1.4	1.0	0.9	0.8	0.9	0.9	0.7	1.0	0.7	0.7	0.7	0.9	0.8	1.4	1.1	0.9	0.8	0.7	1.1	0.5	0.5	0.8	0.7	0.7	0.6	0.7	0.6
	Monthly minimum	0.0	0.6	0.8	0.9	0.7	0.8	0.0	0.7	0.7	0.6	0.8	0.3	0.6	0.5	0.6	0.6	0.8	0.9	0.8	0.6	0.6	0.7	0.4	0.4	0.6	0.5	0.5	0.6	0.5	0.5
	Total invalid results	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sur	Monthly maximum	1.4	0.7	1.0	1.4	1.0	0.9	0.8	0.9	0.9	0.7	1.0	0.7	0.7	0.7	0.9	0.8	1.4	1.1	0.9	0.8	0.7	1.1	0.5	0.5	0.8	0.7	0.7	0.6	0.7	0.6
	No. invalid days	0	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y

Signed  Date 15/7/13
(Authorised to sign as representative of Operator)