

UPM-Kymmene (UK)

Memo
External
8th April 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 31st March 2013.

You will note that during the period there are a number of Carbon Monoxide (CO) ELV exceedances reported, for one of which a Part A has not been completed

- i) 11th March not reported as solid fuel feeding had not commenced
- ii) 16th and 22nd March as has been discussed this occurred initially during start-up and then as part of root cause investigations to identify a combustion problem. The relevant Part A and B have been completed

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. WALES

DATE

AS

JB

AS

JB

30.4.13
8.4.13
30.4.13
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 March 2013

Daily and 30 min

Average monitoring

— 30 min average ELV1

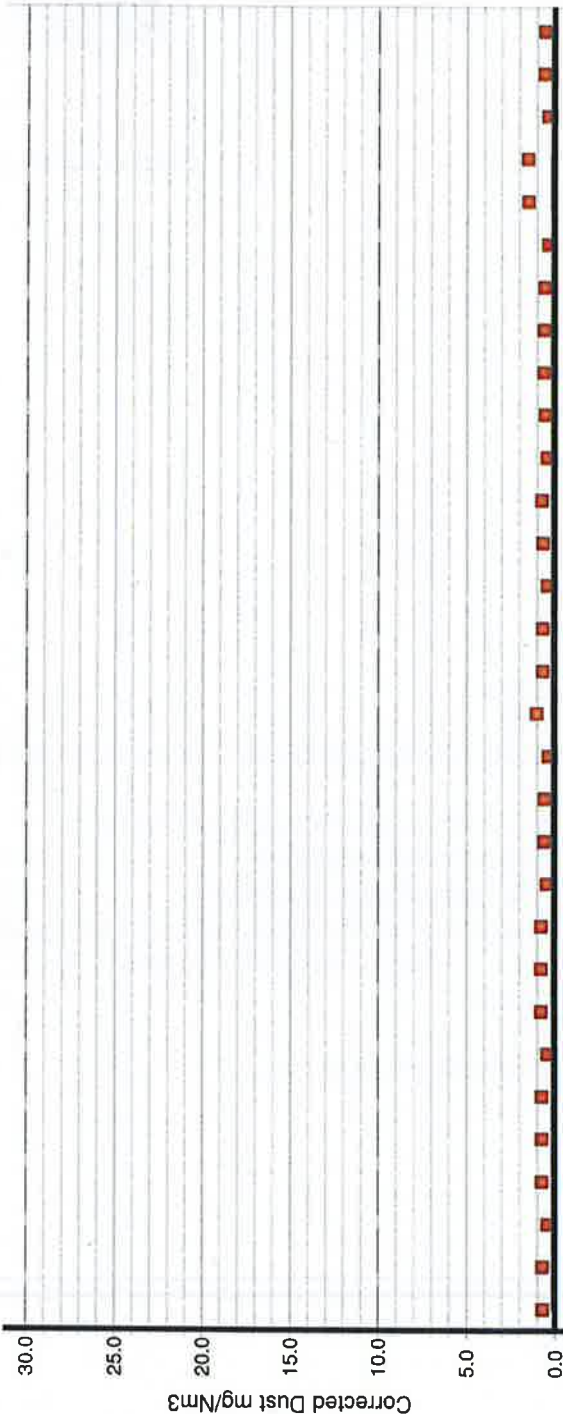
■ Maximum 30 min average

— Mean 30 min average

— Minimum 30 min average

— Daily average ELV1

— Daily average



	Monthly summary		Date																																
	--	30 min average ELV1	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 min Average	Monthly maximum	1.5	0.7	0.7	0.4	0.7	0.7	0.4	0.8	0.8	0.8	0.8	0.5	0.6	0.6	0.4	1.0	0.7	0.7	0.4	0.7	0.7	0.4	0.5	0.6	0.6	0.6	0.3	1.5	1.5	0.3	0.6	0.5		
	Monthly mean	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	0.1	0.0	0.0	0.0			
	Monthly minimum	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	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		
24 hour Average	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	0	0		
	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		
	No. invalid days	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		
	ELV1 exceeds 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		

Signed  (Authorised to sign as representative of Operator)

Date: 6/4/13

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 March 2013

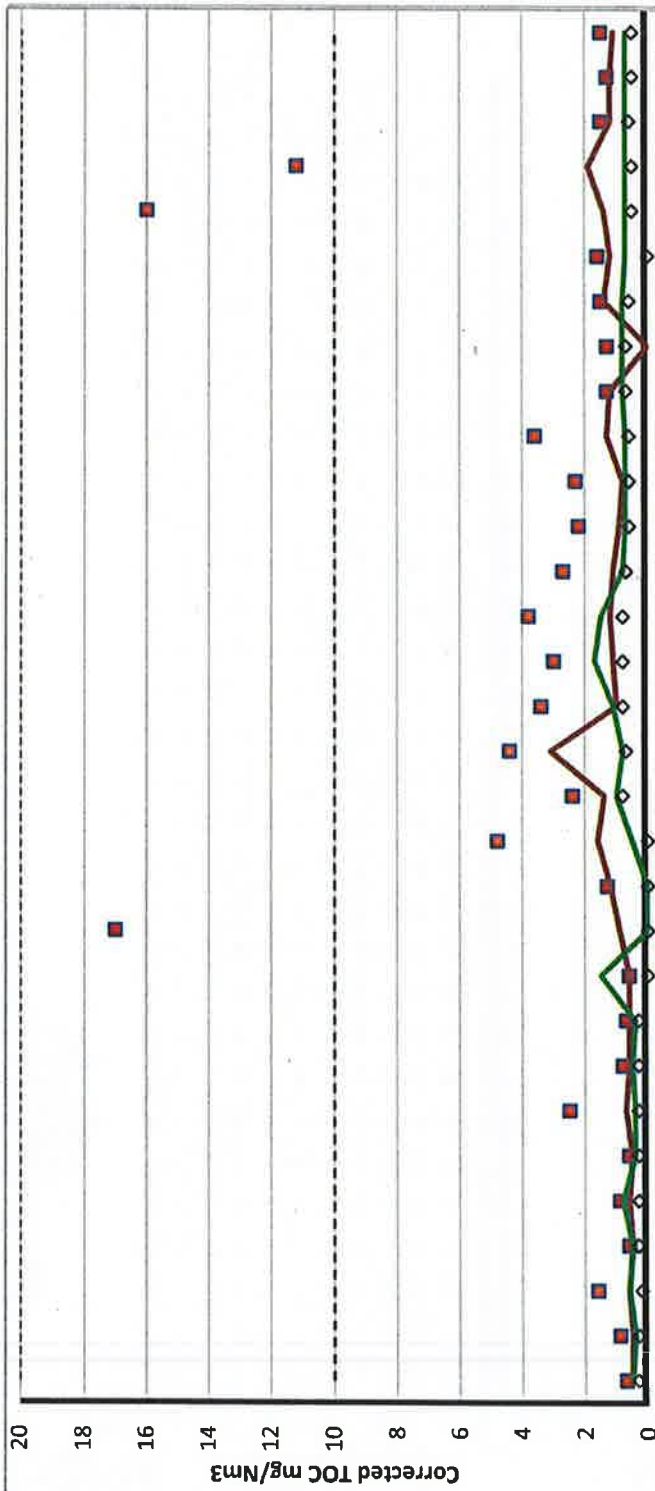


Signed  Date 6/4/13
(Authorised to sign as representative of Operator)

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

Daily and 30 min Average monitoring

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



Monthly Summary		Date																																		
		--	30 min average ELV1																																	
30 min Average	Monthly maximum	17.0	Maximum 30 min average		0.7	0.9	1.6	0.6	0.9	0.6	2.5	0.8	0.7	0.6	17.0	1.3	4.8	2.4	4.4	3.4	3.0	3.8	2.7	2.2	2.3	3.6	1.3	1.3	1.5	1.6	16.0	11.2	1.5	1.3	1.5	
	Monthly mean	3.2	Mean 30 min average		0.5	0.5	0.6	0.5	0.6	0.5	0.7	0.6	0.6	0.6	0.9	1.2	1.6	1.4	3.1	1.0	1.1	1.2	1.1	0.9	0.8	1.3	1.2	1.2	1.4	1.2	1.4	1.9	1.2	1.2	1.1	
	Monthly minimum	0.0	Minimum 30 min average		0.3	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.8	0.7	0.8	0.8	0.7	0.6	0.6	0.7	0.7	0.7	0.6	0.0	0.5	0.5	0.6	0.5	0.5	
	Total invalid results	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	0
	Total exceedances	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
24 hr Average		--	Daily average ELV1																																	
	Monthly maximum	1.7	Daily average		0.5	1.0	0.4	0.6	0.5	0.8	0.4	0.4	0.5	0.4	1.5	0.0	0.0	0.5	1.0	0.8	1.1	1.7	1.5	0.8	0.7	0.7	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.7
	No. invalid days	0	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
	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

Signed  Date 6/4/13

(Authorised to sign as representative of Operator)

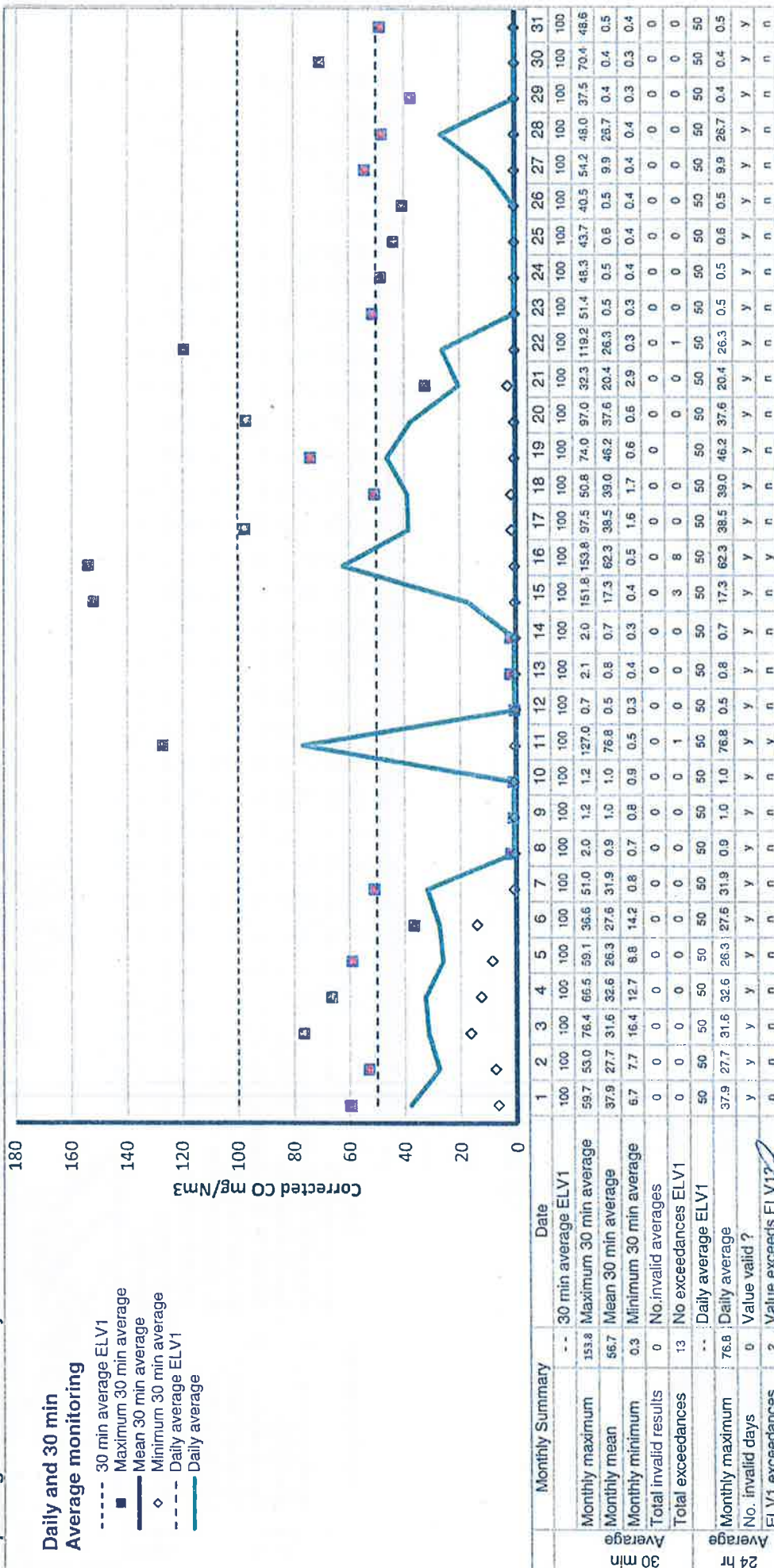
Permit Reference Number : PP3936SQ
Installation: Shotton Paper Mill

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

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



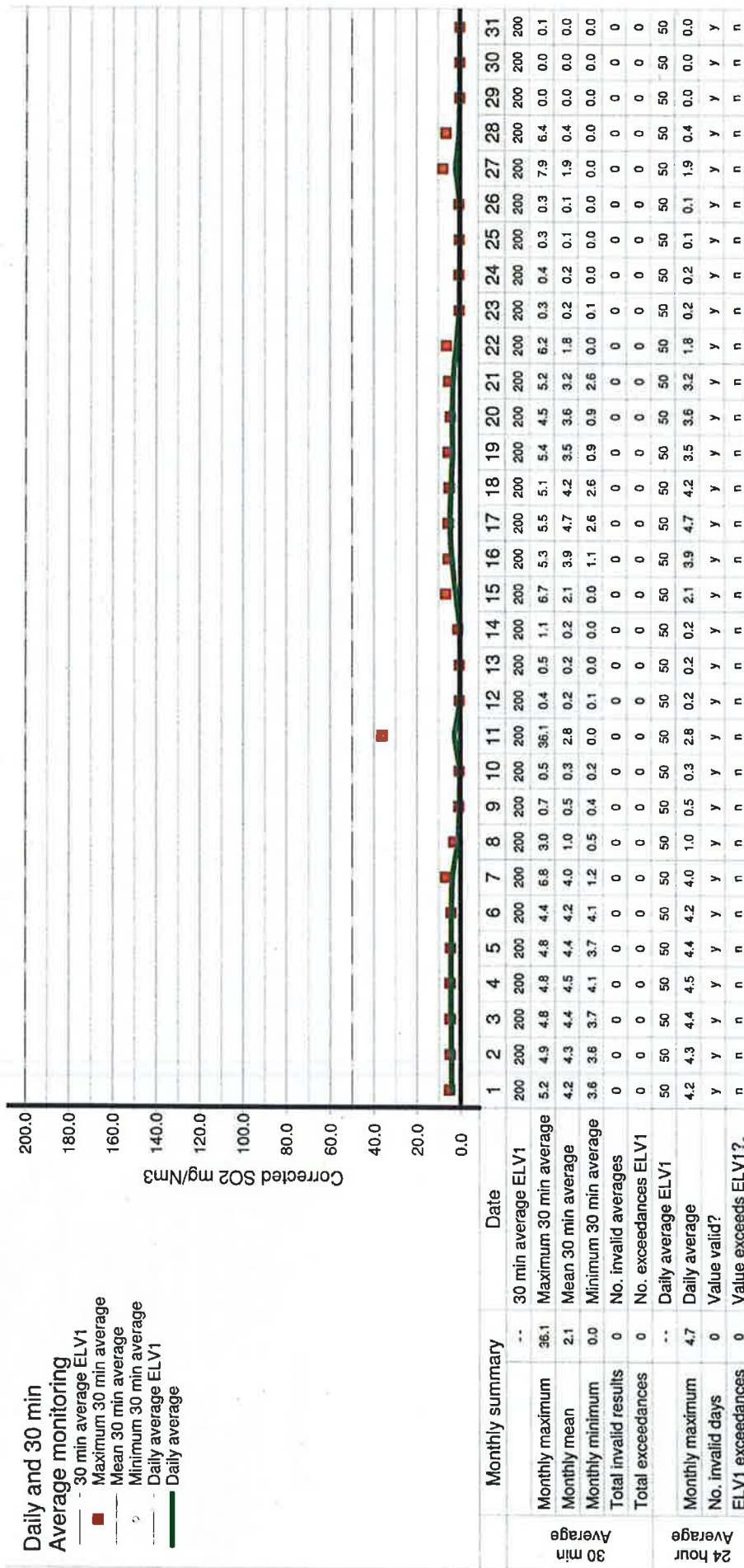
Signed
Date: 6/4/13

(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 / A6 / Form Dated May 06

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



Signed  Date: 6/4/13
(Authorised to sign as representative of Operator)

Permit Reference Number: PP3936SQ
Installation: Shotton Paper Mill

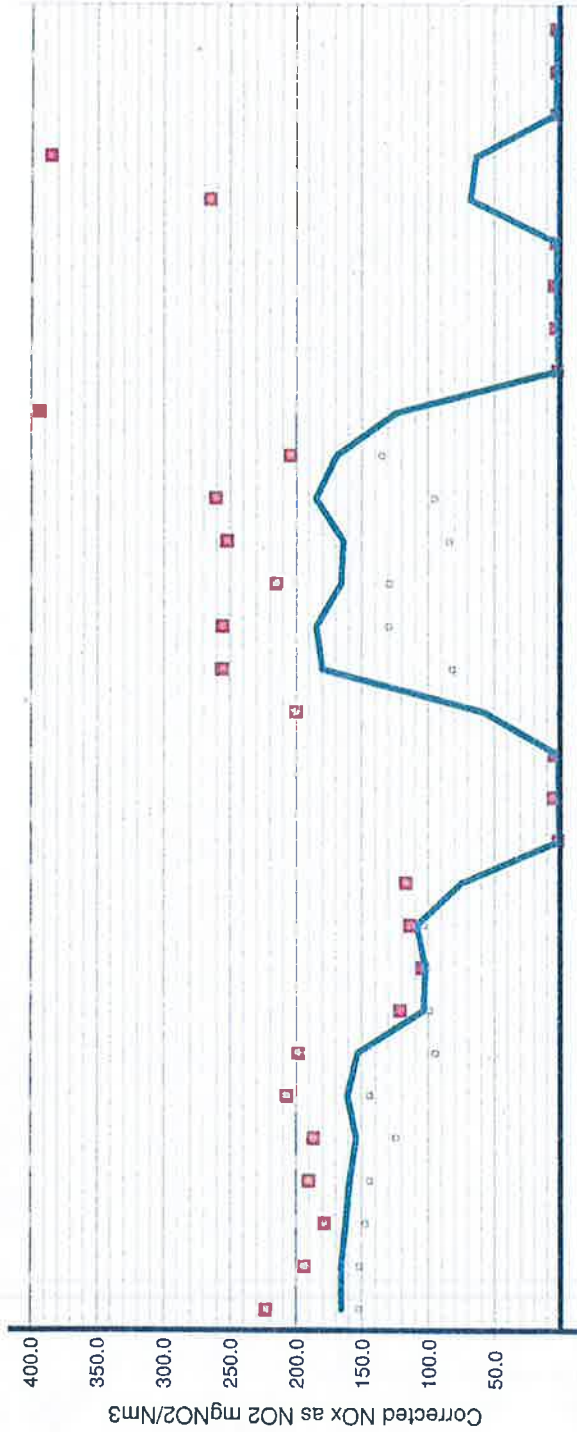
Operator: UPM-Kymmene (UK) Ltd
Form Number: Agency Form / PP3936SQ / A7 / Form Dated May 06

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

Daily and 30 min

Average monitoring

- Maximum 30 min average ELV1
- 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	31	
30 min Average	Monthly maximum	--	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	400	400	
	Monthly mean	394.0	Maximum 30 min average	222.6	193.4	178.3	190.4	186.7	207.2	198.5	121.3	104.6	113.8	116.8	1.5	4.9	4.5	200.1	256.3	255.6	215.0	252.3	260.6	204.4	394.0	1.8	3.2	4.1	2.9	265.0	385.4	2.6	2.6	2.5	
	Monthly minimum	93.1	Mean 30 min average	165.4	165.7	162.0	159.1	154.1	160.9	153.1	103.5	102.2	108.5	74.4	0.3	0.9	0.9	57.9	179.9	184.5	165.5	163.8	184.6	169.0	123.9	0.5	1.6	2.3	1.9	68.0	63.6	2.5	2.2	2.0	
	Monthly minimum	0.0	Minimum 30 min average	152.4	151.9	147.4	144.2	124.4	143.9	94.5	98.6	100.8	103.5	0.1	0.0	0.0	0.0	0.1	0.0	81.7	123.8	129.1	84.1	95.4	134.6	0.3	0.1	0.3	0.1	0.6	0.2	1.8	2.4	1.5	1.8
	Total invalid results	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	0
24 hour Average	Total exceedances	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
	Monthly maximum	--	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	200	200
	No. invalid days	184.6	Daily average	165.4	165.7	162.0	159.1	154.1	160.9	153.1	103.5	102.2	108.5	74.4	0.3	0.9	0.9	57.9	179.9	184.5	165.5	163.8	184.6	169.0	123.9	0.5	1.6	2.3	1.9	68.0	63.6	2.5	2.2	2.0	
	Value valid?	0	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	
	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

Signed  (Authorised to sign as representative of Operator)

Date 6/4/13

Unit Reference Number: PP3936SQ
Location: Shotton Paper Mill

Form Number: Agency Form / PP3936SQ / A8 / Form Dated May 06

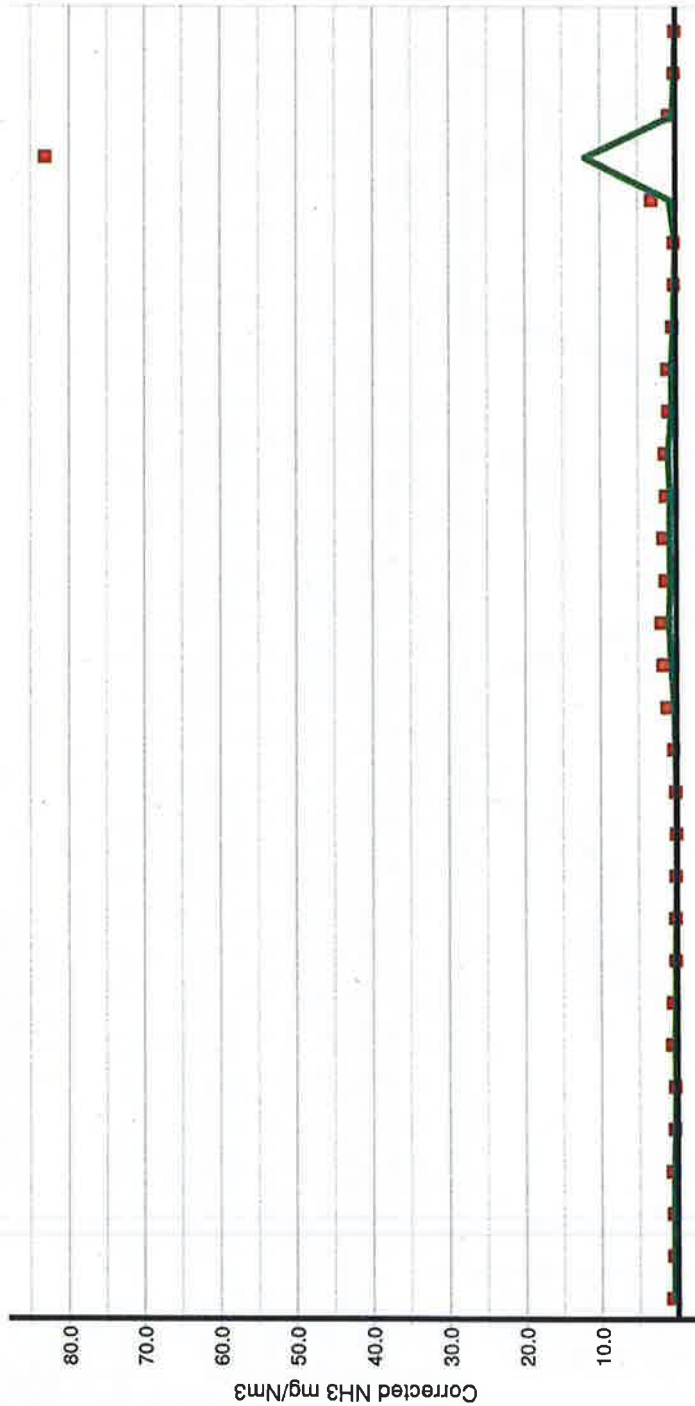
Operator: UPM-Kymmene (UK) Ltd

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

Daily and 30 min

average monitoring

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



Monthly summary		Date																															
Monthly maximum	83.1	0.6	0.5	0.6	0.3	0.3	0.7	0.6	0.2	0.2	0.1	0.1	0.4	1.2	1.8	2.0	1.4	1.7	1.3	1.5	1.1	1.1	0.5	0.2	0.3	3.2	83.1	0.9	0.2	0.1			
Monthly mean	0.8	0.4	0.4	0.4	0.3	0.2	0.3	0.2	0.1	0.1	0.0	0.1	0.2	0.3	0.6	1.0	0.7	0.9	0.8	1.0	0.5	0.6	0.3	0.2	0.0	0.8	11.9	0.4	0.1	0.1			
Monthly minimum	0.0	0.3	0.3	0.3	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.1	0.2	0.2	0.6	0.4	0.4	0.4	0.5	0.3	0.3	0.1	0.1	0.0	0.0	0.1	0.2	0.1	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			
No. invalid averages		0.4	0.4	0.4	0.3	0.2	0.3	0.2	0.1	0.1	0.0	0.1	0.2	0.3	0.6	1.0	0.7	0.9	0.8	1.0	0.5	0.6	0.3	0.2	0.0	0.8	11.9	0.4	0.1	0.1			
Monthly maximum	11.9																																
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			
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			

Date: 6/4/13

Signed (Authorised to sign as representative of Operator)