

UPM-Kymmene (UK)

Memo
External
7th October 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 north.wales.ppc@naturalresourceswales.gov.uk

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

During the period there was one when occasion when the permitted air emission limit was breached, this was for limit A5 Carbon Dioxide it occurred on 23rd September.
The appropriate Part A and B reports 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

UNITING RETURNS N. WALES

CHECKED BY AUTHORITY

TRACKING

OK FOR PUBLIC REGISTER

INITIALS DATE

JS	10-10-13
JB	10-10-13
JS	10-10-13
JB	EDRM

Permit Reference Number: PP3936SQ
Installation: Shotton Paper Mill

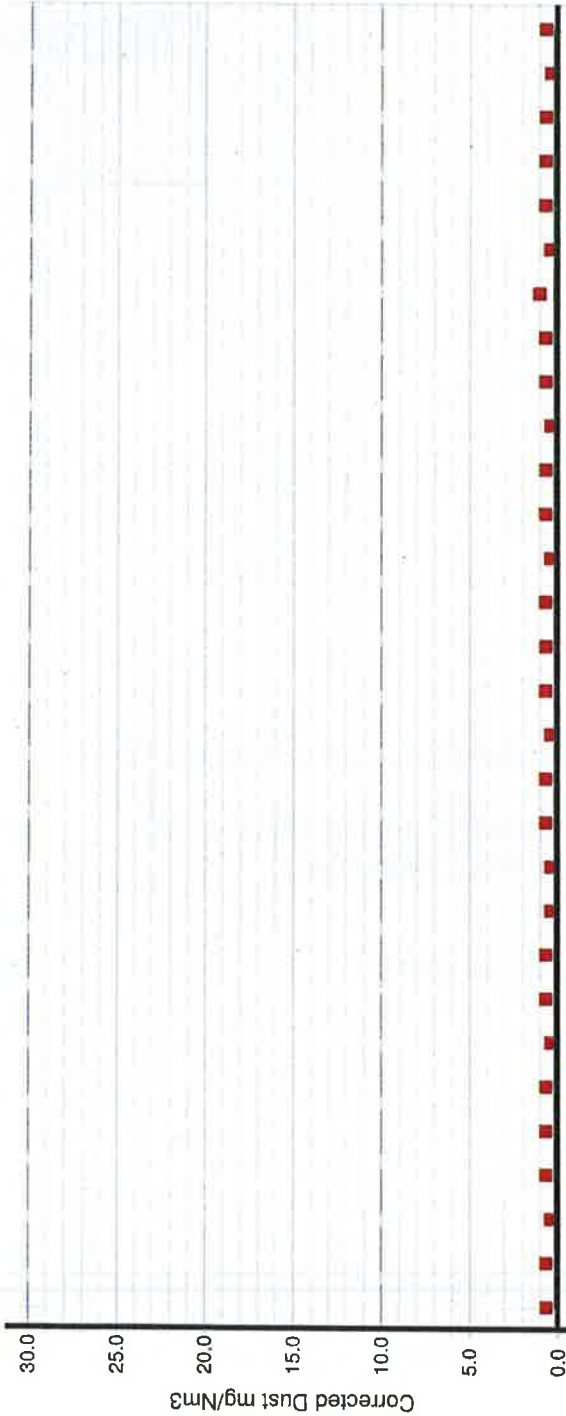
Operator: UPM-Kymmene (UK) Ltd
Form Number: Agency Form / PP3936SQ / A2 / Form Dated May 06

Reporting of Continuously Monitored Emissions to Air for Particulates Emission Point A20 for the month of September 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	
30 min Average	Monthly maximum	--	30 min average ELV1	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	
	Monthly mean	1.0	Maximum 30 min average	0.7	0.7	0.4	0.7	0.7	0.7	0.4	0.7	0.7	0.4	0.4	0.7	0.7	0.4	0.7	0.7	0.4	0.7	0.7	0.4	0.6	0.7	1.0	0.4	0.7	0.7	0.6	0.4	0.6		
	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	0.1	0.0	0.0	0.0	0.0	0.0	0.0	
	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	
	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	--	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
	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	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	ELV1 exceedances	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
			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

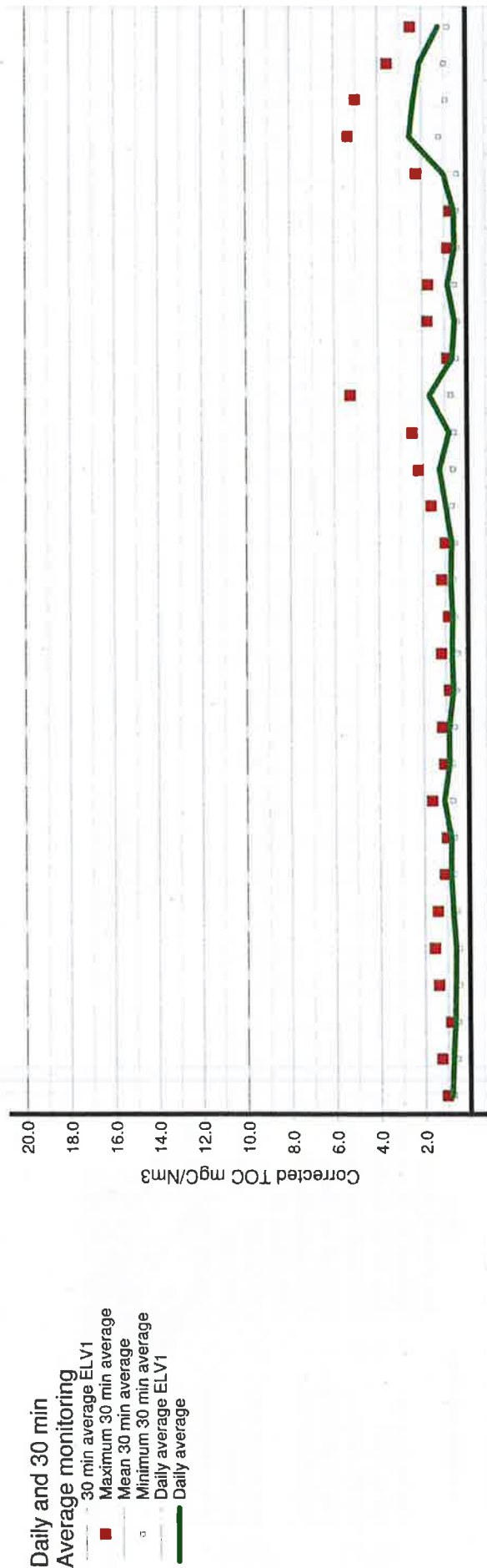
Signed
(Authorised to sign as representative of Operator)

Date: 7/10/13

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 September 2013



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			
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	
		5.3	1.0	1.3	0.9	1.4	1.6	1.4	1.1	1.0	1.6	1.1	1.2	0.8	1.2	0.9	1.2	1.0	1.6	2.2	2.5	5.3	0.9	1.8	1.7	0.8	0.7	2.3	5.3	5.0	3.6	2.5	
		1.0	0.8	0.8	0.7	0.6	0.6	0.7	0.8	0.8	1.1	0.9	0.9	0.7	0.7	0.7	0.8	0.7	1.0	1.2	0.8	1.7	0.7	0.5	0.8	0.5	0.6	1.0	2.6	2.4	2.1	1.2	
		0.4	0.7	0.5	0.5	0.5	0.4	0.5	0.7	0.7	0.7	0.7	0.6	0.5	0.5	0.6	0.6	0.6	0.7	0.6	0.6	0.7	0.5	0.4	0.6	0.4	0.4	0.4	1.2	0.9	1.0	0.8	
24 hour	Average	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	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	
		--	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
		2.6	Daily average			0.8	0.8	0.7	0.6	0.6	0.7	0.8	0.8	1.1	0.9	0.9	0.7	0.7	0.7	0.8	0.7	1.0	1.2	0.8	1.7	0.7	0.5	0.8	0.5	0.6	1.0	2.6	2.4
Average	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	
	0	Value valid?			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
Average	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
	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

Signed
(Authorised to sign as representative of Operator)

Date

7/10/13

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 September 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	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	
		1.8	Maximum 30 min average	1.6	1.8	1.7	1.7	1.5	1.6	1.6	1.5	1.6	1.5	1.6	1.8	1.7	1.6	1.7	1.6	1.6	1.5	1.5	1.6	1.6	1.6	1.7	1.6	1.7	1.6	1.8	1.6	1.5	1.4	1.6	1.3
		1.4	Monthly mean	1.4	1.4	1.5	1.4	1.4	1.3	1.2	1.3	1.2	1.3	1.3	1.5	1.3	1.4	1.5	1.4	1.4	1.3	1.3	1.4	1.3	1.4	1.4	1.4	1.5	1.4	1.4	1.3	1.2	1.2	1.2	1.1
		0.8	Monthly minimum	1.2	1.3	1.3	1.3	1.2	1.1	1.1	1.2	1.1	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.2	1.2	0.8	1.3	1.0	1.2	1.3	1.1	1.3	1.2	1.0	0.9	1.1	1.1	1.0	0.9
24 hour Average	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	
	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	
	Monthly maximum	--	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
		1.5	Daily average	1.4	1.4	1.5	1.4	1.4	1.3	1.2	1.3	1.2	1.3	1.3	1.5	1.3	1.4	1.5	1.4	1.4	1.3	1.3	1.4	1.3	1.4	1.4	1.4	1.5	1.4	1.4	1.3	1.2	1.2	1.2	1.1
		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	

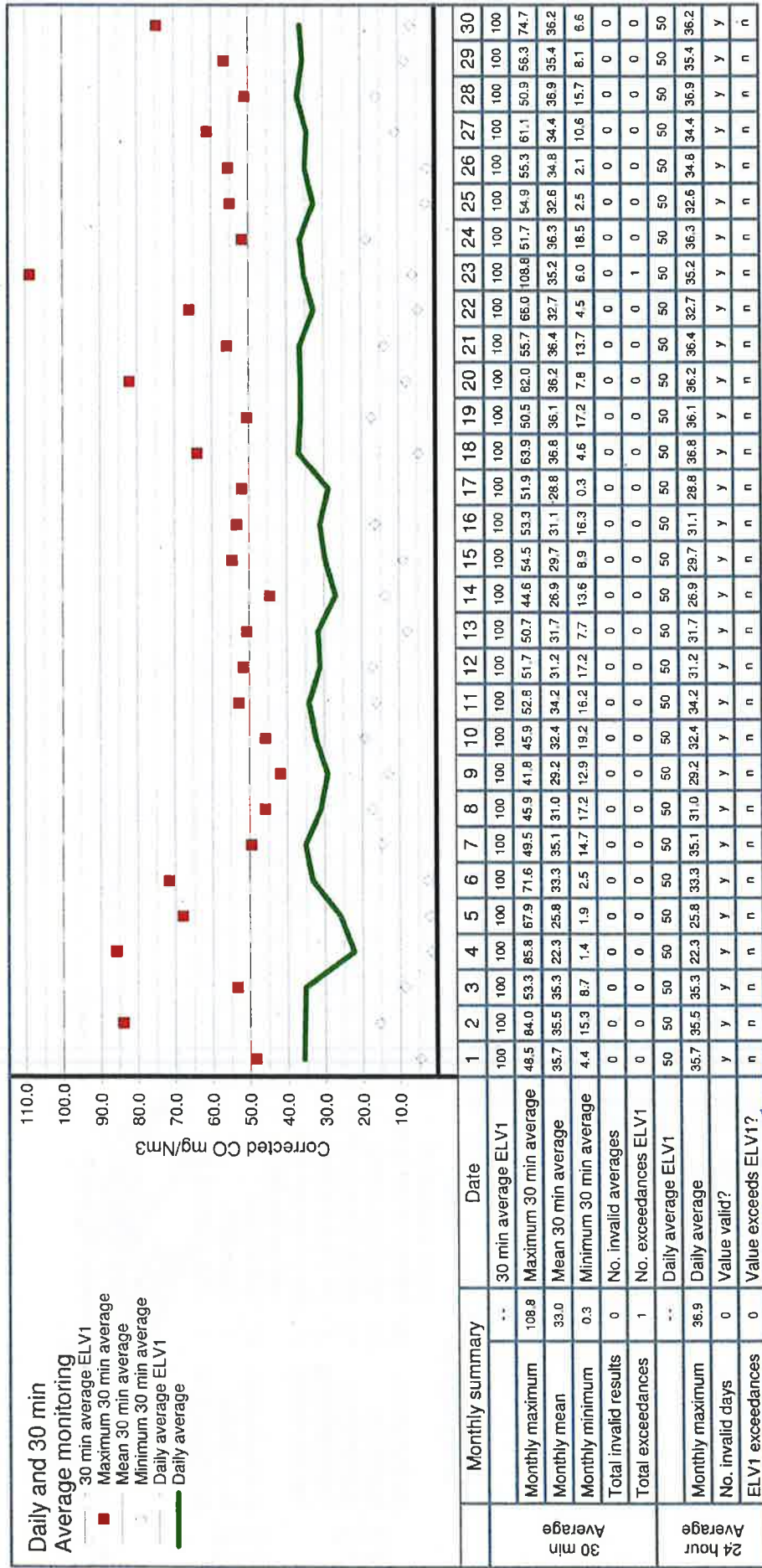
Signed

(Authorised to sign as representative of Operator)

Date

7/10/13

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

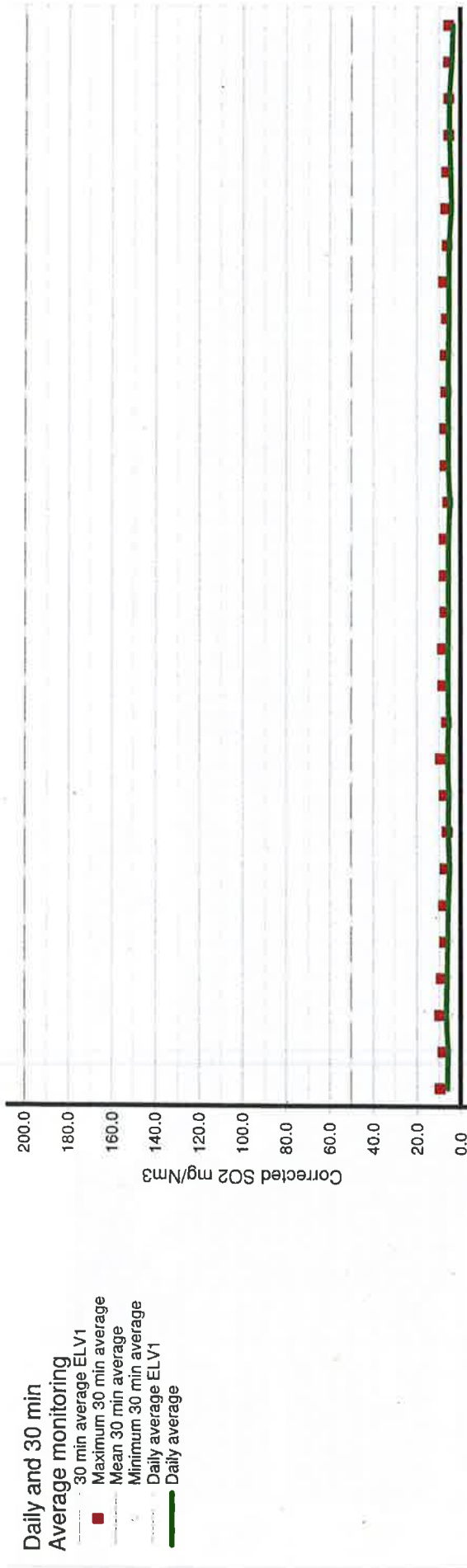


Signed Date 7/10/13
(Authorised to sign as representative of Operator)

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 September 2013



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
30 min Average	--	30 min 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
	9.8	Monthly maximum	9.4	8.2	9.8	9.0	7.3	7.7	7.1	8.3	7.4	9.3	6.6	8.1	8.4	7.1	7.4	7.5	5.9	7.0	7.0	6.7	6.9	6.4	7.7	6.1	6.6	6.3	5.4	5.4	5.5	5.4	
	5.3	Monthly mean	6.1	5.9	6.7	6.3	6.0	5.8	5.1	5.6	5.4	6.0	5.5	5.7	5.8	5.6	5.5	5.5	4.8	5.6	5.5	5.5	5.5	5.1	5.3	5.1	4.1	4.3	4.9	5.0	3.8	3.4	
	0.0	Monthly minimum	5.5	5.3	5.3	5.8	5.3	5.1	1.1	5.2	4.9	5.4	4.0	5.2	5.3	5.1	5.1	4.9	0.0	5.1	5.0	5.1	4.9	4.7	4.8	4.8	0.0	0.0	2.8	4.5	0.2	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
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
	--	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	50
	6.7	Daily average	6.1	5.9	6.7	6.3	6.0	5.8	5.1	5.6	5.4	6.0	5.5	5.7	5.8	5.6	5.5	5.5	4.8	5.6	5.5	5.5	5.5	5.1	5.3	5.1	4.1	4.3	4.9	5.0	3.8	3.4	
	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
		ELV1 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

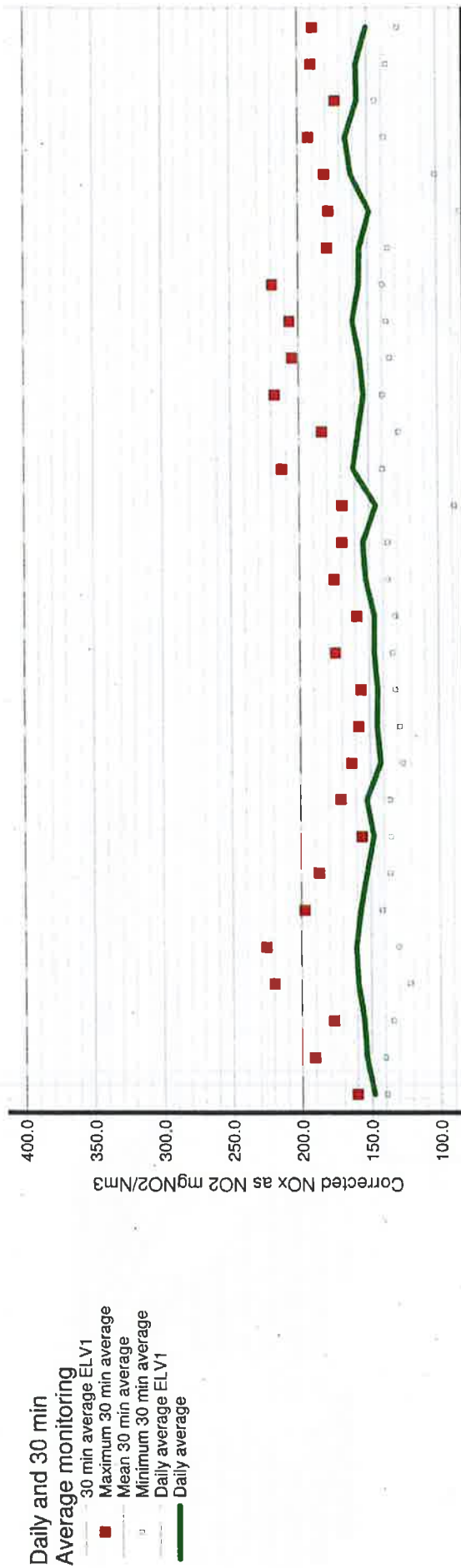
Signed
(Authorised to sign as representative of Operator)

Date: 2/10/13

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 September 2013



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	
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	400	400
	225.2	Maximum 30 min average	160.5	190.8	177.1	219.4	225.2	197.8	187.0	155.9	171.4	163.5	158.4	156.6	174.6	159.2	175.4	163.6	169.4	212.4	183.5	217.5	204.8	206.6	218.9	179.2	178.1	181.0	192.5	172.9	190.2	189.0	
	153.4	Mean 30 min average	148.0	153.4	155.0	159.3	160.6	157.2	152.5	147.4	152.5	142.1	144.5	144.0	146.4	146.1	152.4	154.2	145.0	161.1	157.3	153.3	155.8	160.8	156.2	155.7	148.4	161.7	165.4	157.1	157.5	150.2	
	83.0	Minimum 30 min average	138.9	140.0	133.8	121.5	129.8	141.6	135.8	134.8	135.7	126.3	127.8	130.8	133.1	131.1	136.4	136.1	88.1	140.0	128.0	139.6	134.2	136.5	139.2	135.3	83.0	100.9	137.7	144.2	136.0	127.7	
Average		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 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	
		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	
	165.4	Daily average	148.0	153.4	155.0	159.3	160.6	157.2	152.5	147.4	152.5	142.1	144.5	144.0	146.4	146.1	152.4	154.2	145.0	161.1	157.3	153.3	155.8	160.8	156.2	155.7	148.4	161.7	165.4	157.1	157.5	150.2	
24 hour		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	
		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

Signed Date 7/10/13
(Authorised to sign as representative of Operator)

Unit Reference Number: PP3936SQ
Location: Shotton Paper Mill

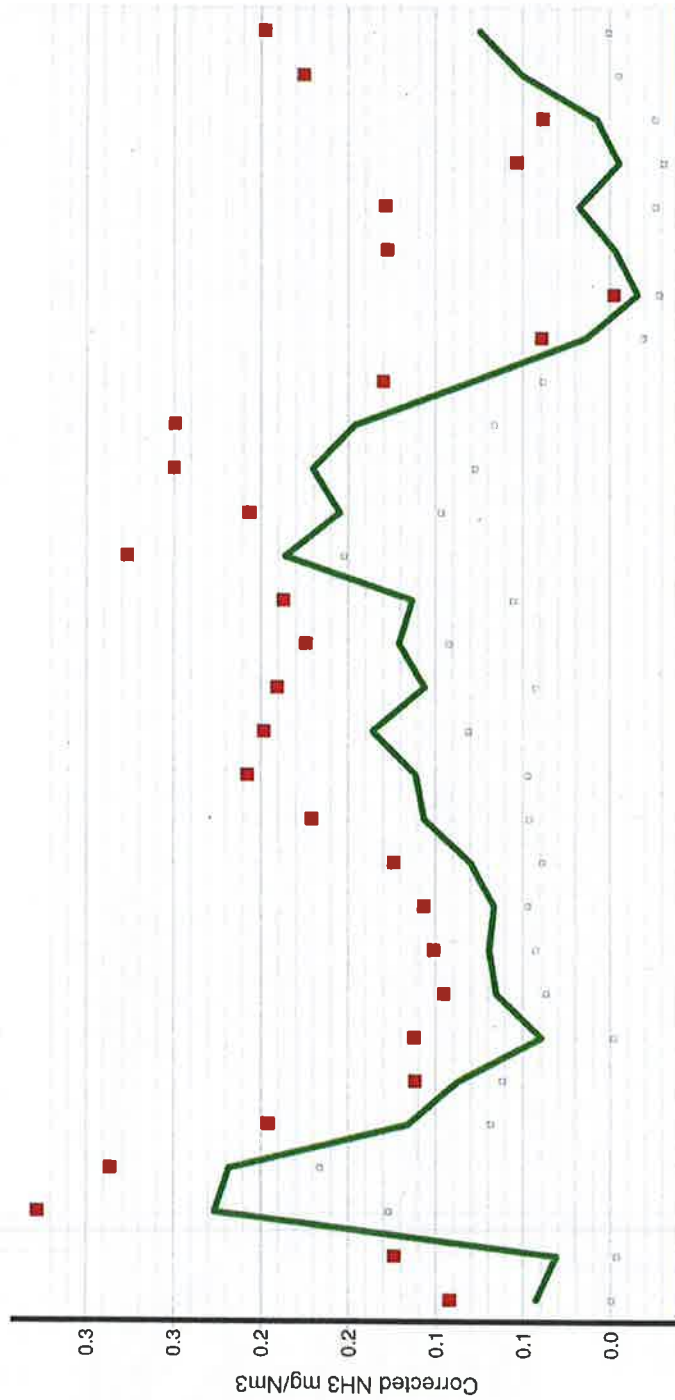
Operator: UPM-Kymmene (UK) Ltd
Form Number: Agency Form / PP3936SQ / A8 / Form Dated May 06

Reporting of Continuously Monitored Emissions to Air for Ammonia Emission Point A20 for the month of September 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	0.4	Maximum 30 min average		0.1	0.2	0.4	0.3	0.2	0.2	0.1	0.2	0.2	0.2	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.1	0.0	0.2	0.1	0.0	0.2	0.1	0.1	0.2	0.2	
Monthly mean	0.1	Mean 30 min average		0.1	0.1	0.3	0.3	0.2	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.1	0.1	
Monthly minimum	0.0	Minimum 30 min average		0.0	0.0	0.2	0.2	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	
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	
Monthly maximum	0.3	Daily average		0.1	0.1	0.3	0.3	0.2	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.1	0.0	0.1	0.1	0.1	0.1	
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	

Signed
(Authorised to sign as representative of Operator)

Date: 2/10/13