

UPM-Kymmene (UK)

Memo
External
5th December 2014
KOS

1 (1)

Month End Report



UPM-Kymmene (UK)

Permit Reference PP3936SQ
Installation Shotton Paper

To Alison Soper
Natural Resources Wales
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 November 2014.

During the period there were no actual exceedances to report when solid fuel was being fed to the Boiler

We had a better month for Boiler reliability during which we carried out a planned shutdown to inspect the Boilerbank another leak was found and repaired.

During this shutdown on 6th November we had 3 half hour periods when the TOC and CO went above the permitted limits these have not been reported as they occurred when solid fuel was not being fed to the Boiler.

If you require any further information please let me know

Best Regards

Kevin Smith
Utilities Manager
UPM (UK) Shotton

Office +44 (0) 1244284393
Mobile +44 (0) 7736497124

MONITORING RETURNS N. WALES

	INITIALS	DATE
CHECKED Vs AUTHORISATION	AS	16-12-14
TACKLING	JB	16.12.14
OK FOR PUBLIC REGISTER	AS	16-12-14
REPORTED TO THE PUBLIC REGISTER		

Permit Reference Number: PP3936SQ
Installation: Shotton Paper Mill

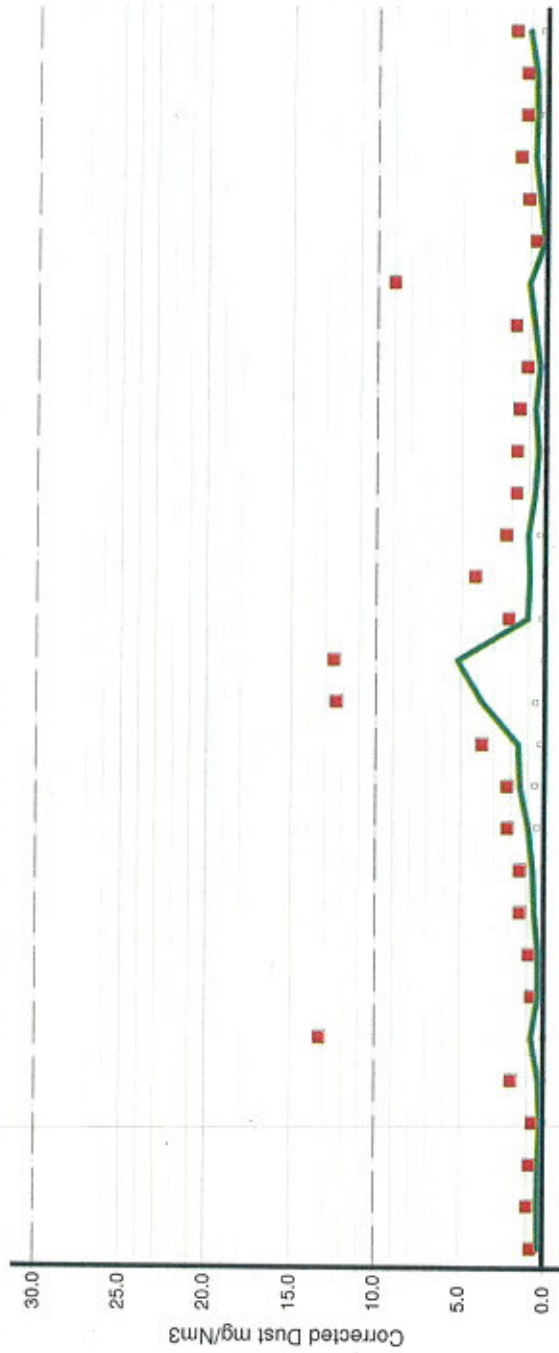
Form Number: Agency Form / PP3936SQ / A2 / Form Dated May 06
Operator: UPM-Kymmene (UK) Ltd

Reporting of Continuously Monitored Emissions to Air for Particulates Emission Point A20 for the month of November 2014

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	13.2
Maximum 30 min average	0.7
Mean 30 min average	0.9
Minimum 30 min average	0.0
Total invalid results	0
Total exceedances	0
Monthly maximum	5.2
No. invalid days	0
ELV1 exceedances	0

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	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
0.7	0.9	0.8	0.6	1.9	13.2	0.7	0.9	1.4	1.4	2.2	2.2	3.7	12.3	12.5	2.1	4.2	2.3	1.7	1.6	1.1	1.8	9.0	0.6	1.1	1.6	1.2	1.2	1.2	1.9
0.3	0.3	0.2	0.1	0.3	0.7	0.3	0.3	0.5	0.6	0.9	1.4	1.5	3.7	5.2	1.0	0.9	1.0	0.6	0.5	0.6	0.4	0.7	1.0	0.1	0.4	0.7	0.6	0.7	1.1
0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.4	0.6	0.3	0.6	0.1	0.2	0.0	0.3	0.1	0.0	0.2	0.0	0.1	0.1	0.0	0.1	0.1	0.2	0.2	0.2
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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
0.3	0.3	0.2	0.1	0.3	0.7	0.3	0.3	0.5	0.6	0.9	1.4	1.5	3.7	5.2	1.0	0.9	1.0	0.6	0.5	0.6	0.4	0.7	1.0	0.1	0.4	0.7	0.6	0.7	1.1
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

Signed

(Authorised to sign as representative of Operator)

Date

5/12/14

Permit Reference Number: PP3936SQ
Installation: Shotton Paper Mill

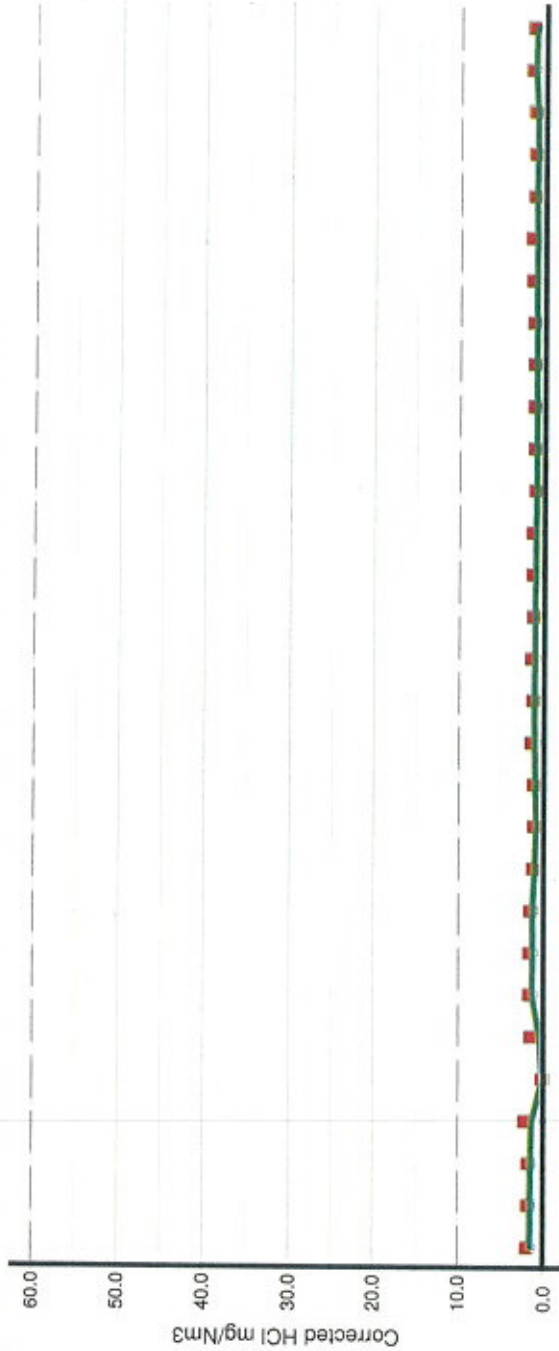
Operator: UPM-Kymmene (UK) Ltd
Form Number: Agency Form / PP3936SQ / A3 / Form Dated May 06

Reporting of Continuously Monitored Emissions to Air for Hydrogen Chloride Emission Point A20 for the month of November 2014

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	30 min average ELV1	1	2
Average	Maximum 30 min average	3	4
	Mean 30 min average	5	6
	Minimum 30 min average	7	8
	Total invalid results	9	10
	Total exceedances	11	12
	Monthly maximum	13	14
	Monthly mean	15	16
	Monthly minimum	17	18
	No. invalid days	19	20
	ELV1 exceedances	21	22

Signed: 
(Authorised to sign as representative of Operator)

Date: 5/12/14

Permit Reference Number: PP3936SQ
Installation: Shotton Paper Mill

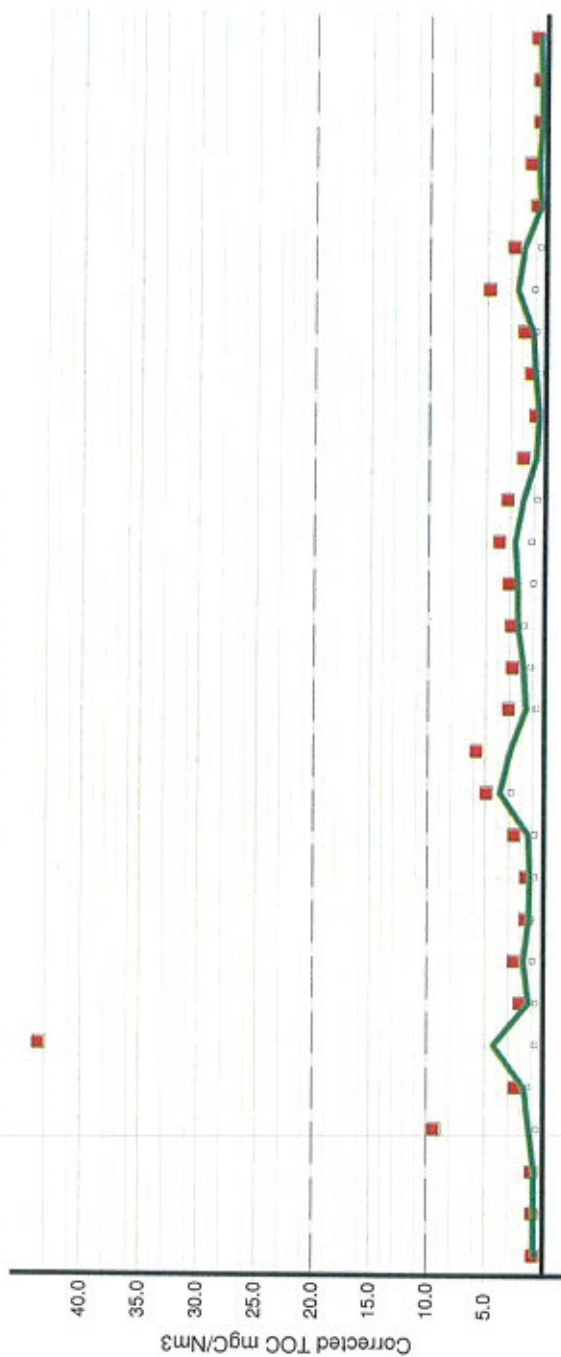
Operator: UPM-Kymmene (UK) Ltd
Form Number: Agency Form / PP3936SQ /A4 /Form Dated May 06

Reporting of Continuously Monitored Emissions to Air for TOC Emission Point A20 for the month of November 2014

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

	30 min average ELV1	Date
Monthly maximum	43.5	
Monthly mean	1.5	
Monthly minimum	0.0	
Total invalid results	0	
Total exceedances	3	
Monthly maximum	4.2	
No. invalid days	0	
ELV1 exceedances	0	

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
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
0.8	0.9	0.9	0.9	2.3	43.5	2.0	2.5	1.5	1.5	2.5	4.9	5.8	3.0	2.7	2.8	3.1	3.9	3.2	1.9	0.9	1.3	1.9	4.9	2.8	0.9	1.4	0.7	0.7	0.9
0.7	0.7	0.7	1.1	1.5	4.2	1.2	1.7	1.2	1.1	1.3	3.7	2.9	1.5	1.8	2.3	2.3	2.5	1.9	0.8	0.6	0.9	1.1	2.4	1.9	0.5	0.7	0.5	0.5	0.6
0.5	0.6	0.6	0.6	1.4	0.7	0.7	1.0	1.1	0.8	0.8	2.8	0.0	0.7	1.2	1.7	1.0	1.2	0.7	0.4	0.4	0.5	0.9	1.0	0.5	0.4	0.4	0.3	0.3	0.5
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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
0.7	0.7	0.7	1.1	1.5	4.2	1.2	1.7	1.2	1.1	1.3	3.7	2.9	1.5	1.8	2.3	2.3	2.5	1.9	0.8	0.6	0.9	1.1	2.4	1.9	0.5	0.7	0.5	0.5	0.6
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

Signed

(Authorised to sign as representative of Operator)

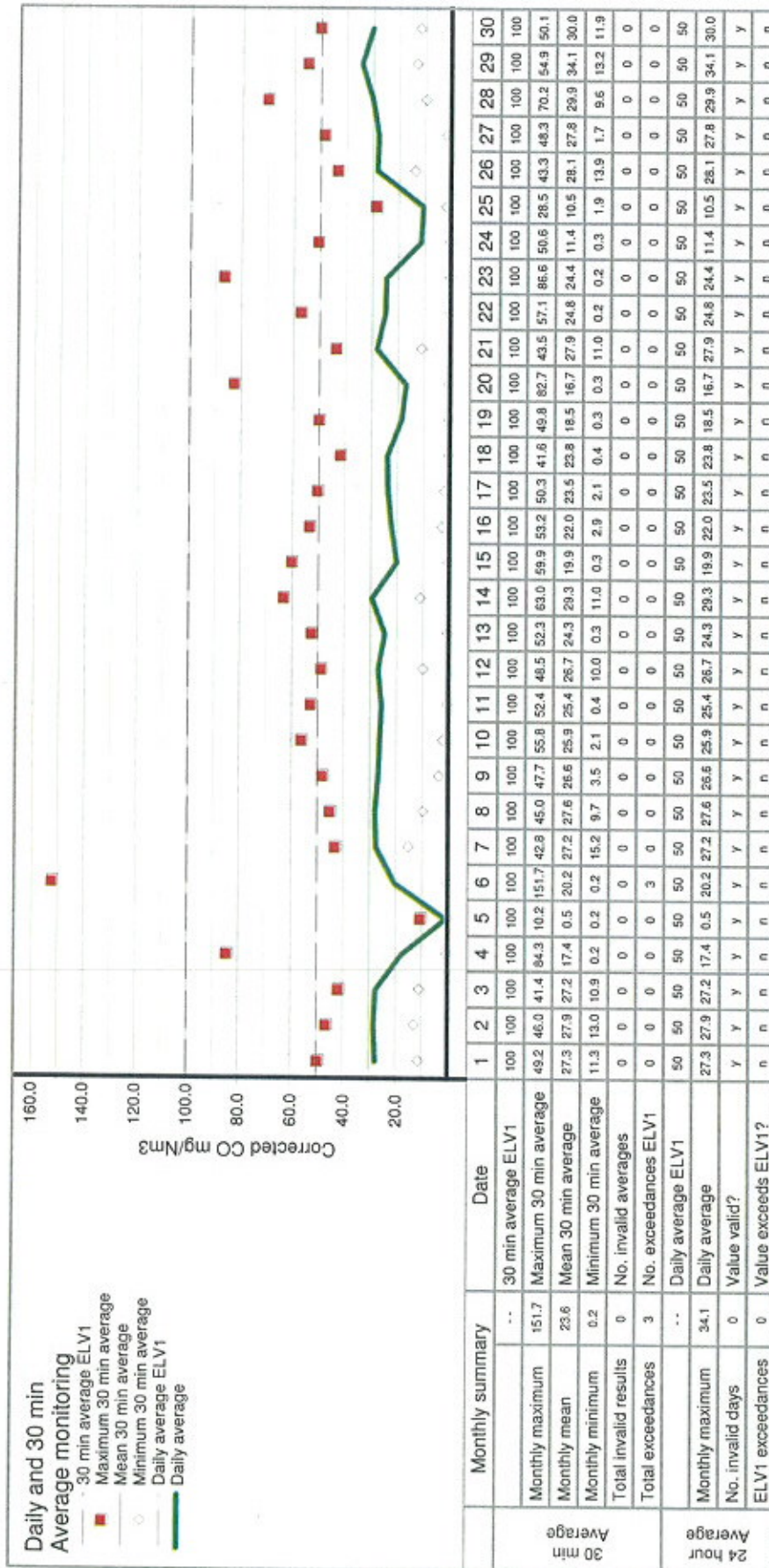
Date

5/12/14

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 November 2014



Signed: *[Signature]* Date: 5/12/14
(Authorised to sign as representative of Operator)

Permit Reference Number: PP3936SQ
Installation: Shotton Paper Mill

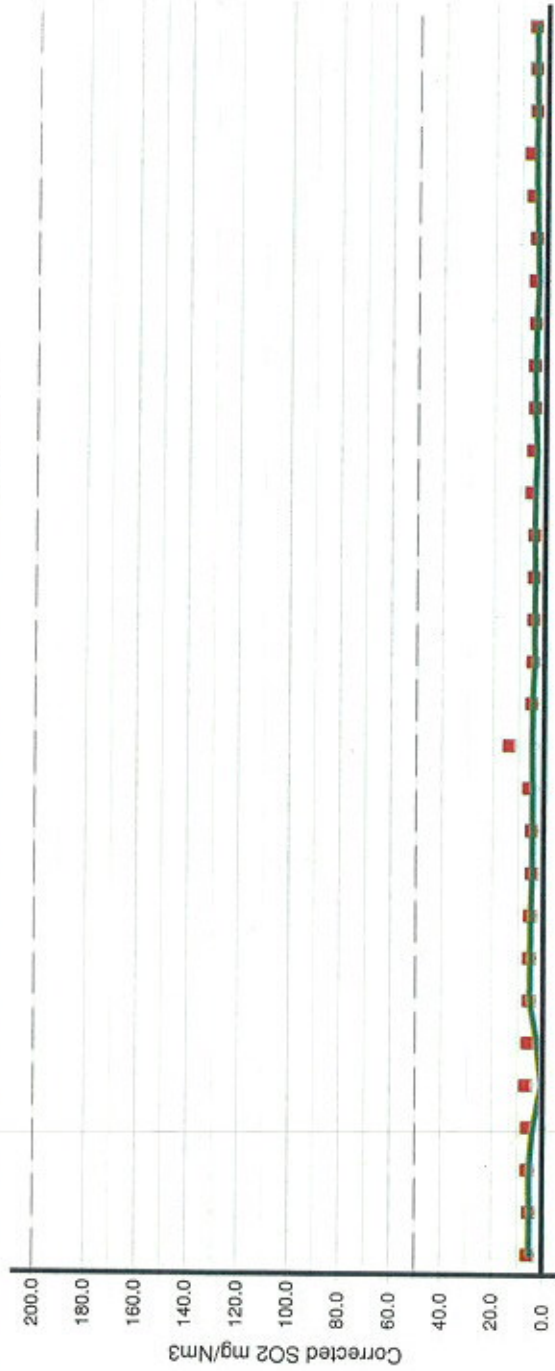
Operator: UPM-Kymmene (UK) Ltd
Form Number: Agency Form / PP3936SQ / A6 / Form Dated May 06

Reporting of Continuously Monitored Emissions to Air for Sulphur Dioxide Emission Point A20 for the month of November 2014

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

	30 min average ELV1	Date
Monthly maximum	13.7	200
Monthly mean	4.0	200
Monthly minimum	0.0	200
Total invalid results	0	200
Total exceedances	0	200
Monthly maximum	5.1	200
No. invalid days	0	200
ELV1 exceedances	0	200

Signed Date 5/12/14
(Authorised to sign as representative of Operator)

Permit Reference Number: PP3936SQ
Installation: Shotton Paper Mill

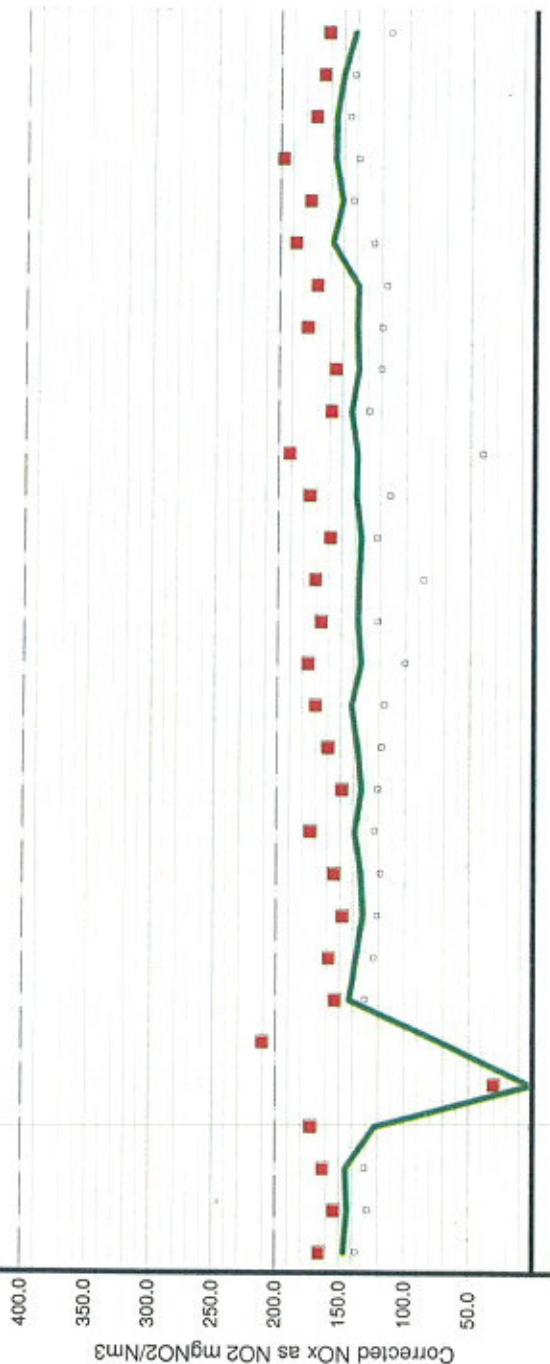
Operator: UPM-Kymmene (UK) Ltd
Form Number: Agency Form / PP3936SQ / A7 / Form Dated May 06

Reporting of Continuously Monitored Emissions to Air for Oxides of Nitrogen Emission Point A20 for the month of November 2014

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	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	
	Maximum 30 min average	210.3	164.8	153.4	162.3	172.1	30.0	210.3	153.2	158.4	147.0	154.4	173.3	148.7	159.8	169.5	175.8	165.9	170.4	158.9	175.4	191.5	158.6	155.7	177.9	170.4	187.3	176.0	197.8	172.0	165.5	162.1
	Mean 30 min average	133.8	145.8	143.2	144.5	122.3	1.2	70.5	142.1	137.2	132.0	133.7	138.5	133.5	136.7	141.7	134.5	137.1	136.4	134.8	139.0	138.3	143.1	137.6	139.0	138.3	158.2	150.9	156.4	156.0	150.8	141.7
	Minimum 30 min average	0.0	137.3	128.1	130.6	0.9	0.0	0.3	130.6	124.2	121.3	118.7	123.7	121.3	118.2	116.4	100.8	122.1	86.2	122.8	113.1	40.4	129.5	119.7	119.1	115.9	126.5	142.6	138.2	145.0	142.0	114.1
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	
24 hour Average	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	
	Daily average	158.2	145.8	143.2	144.5	122.3	1.2	70.5	142.1	137.2	132.0	133.7	138.5	133.5	136.7	141.7	134.5	137.1	136.4	134.8	139.0	138.3	143.1	137.6	139.0	138.3	158.2	150.9	156.4	156.0	150.8	141.7
	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	
	Value 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	

Signed: *[Signature]*
(Authorised to sign as representative of Operator)

Date: 5/12/14

Permit Reference Number: PP3936SQ
Installation: Shotton Paper Mill

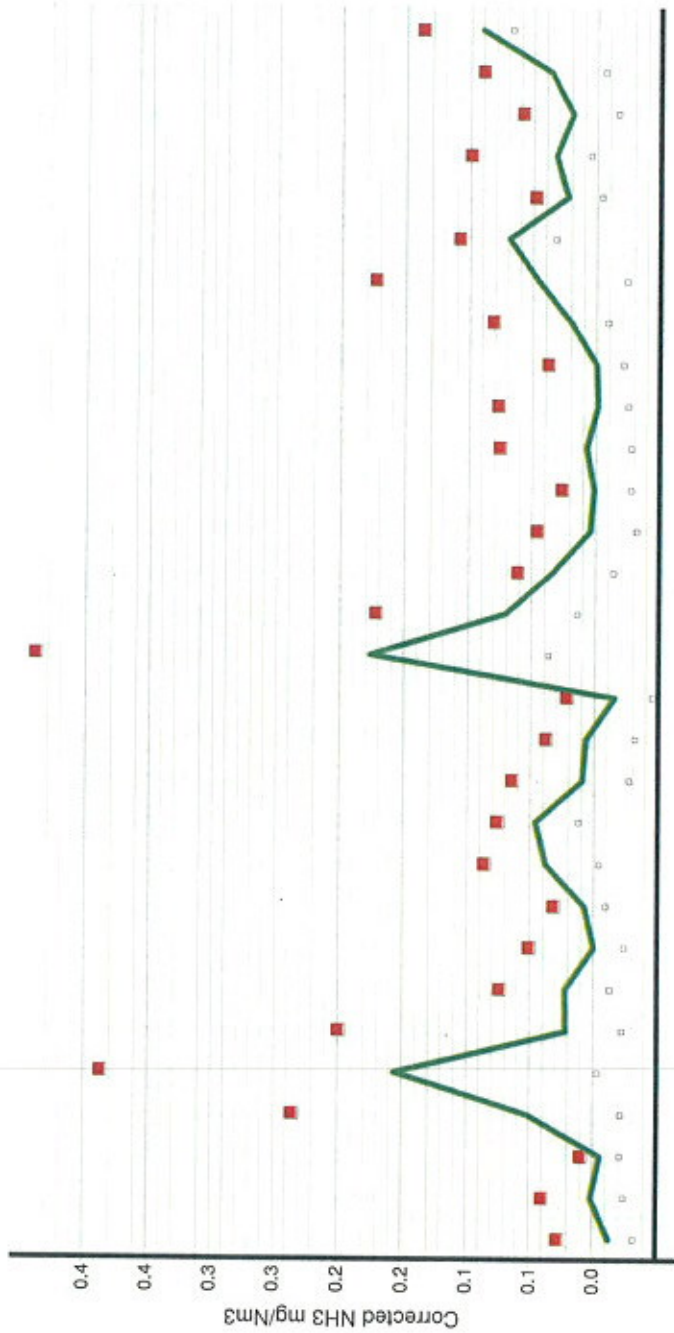
Operator: UPM-Kymmene (UK) Ltd
Form Number: Agency Form / PP3936SQ / A8 / Form Dated May 06

Reporting of Continuously Monitored Emissions to Air for Ammonia Emission Point A20 for the month of November 2014

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	0.5	Maximum 30 min average
Monthly mean	0.1	Mean 30 min average
Monthly minimum	0.0	Minimum 30 min average
Total invalid results	0	No. invalid averages
Monthly maximum	0.2	Daily average
No. invalid days	0	Value valid?

Signed  (Authorised to sign as representative of Operator)

Date 5/12/14