

Month End Report

UPM-Kymmene (UK)

Permit Reference PP3936SQ
Installation Shotton Paper

To
Matthew Kelk
Natural Resources Wales
Chester Road
Buckley
Flintshire
CH7 3AJ

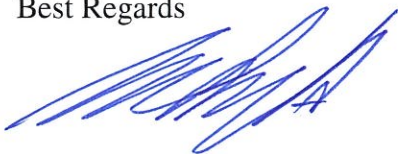
Fax - 01244 548805
Email north.wales.ppc@naturalresourceswales.gov.uk

Please find enclosed graphs / reports for Continuously Monitored Emissions to Air A2 to A8 for the period ending 30th September 2017.

During the period there have not been any reportable exceedances or non conformances to report. You will note that there was a period on 16th September it is indicated 2 invalid results, this occurred between 12.00 and 13.00 and was due to a communication issue on site between CEMs sampler and CEMS PC, this will be added to the annual CEMs downtime report.

If you require any further information or clarification please let me know

Best Regards



Kevin Smith
Utilities Manager
UPM (UK) Shotton

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

Daily and 30 min Average monitoring

Corrected Dust mg/Nm³

30.0
25.0
20.0
15.0
10.0
5.0
0.0

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

Time	Maximum 30 min average	Mean 30 min average	Minimum 30 min average	Daily average ELV1	Daily average
00:00	0.2	0.2	0.1	0.1	0.1
01:00	0.2	0.2	0.1	0.1	0.1
02:00	0.2	0.2	0.1	0.1	0.1
03:00	0.2	0.2	0.1	0.1	0.1
04:00	0.2	0.2	0.1	0.1	0.1
05:00	0.2	0.2	0.1	0.1	0.1
06:00	0.2	0.2	0.1	0.1	0.1
07:00	0.2	0.2	0.1	0.1	0.1
08:00	0.2	0.2	0.1	0.1	0.1
09:00	0.2	0.2	0.1	0.1	0.1
10:00	0.2	0.2	0.1	0.1	0.1
11:00	0.2	0.2	0.1	0.1	0.1
12:00	0.2	0.2	0.1	0.1	0.1
13:00	0.2	0.2	0.1	0.1	0.1
14:00	0.2	0.2	0.1	0.1	0.1
15:00	0.2	0.2	0.1	0.1	0.1
16:00	0.2	0.2	0.1	0.1	0.1
17:00	0.2	0.2	0.1	0.1	0.1
18:00	0.2	0.2	0.1	0.1	0.1
19:00	0.2	0.2	0.1	0.1	0.1
20:00	0.2	0.2	0.1	0.1	0.1
21:00	0.2	0.2	0.1	0.1	0.1
22:00	0.2	0.2	0.1	0.1	0.1
23:00	0.2	0.2	0.1	0.1	0.1

[illegible]

Date..... 11/11/11

Signed
(Authorised to sign as representative of Operator)

Permit Reference Number: PP3936SQ
Installation: Shotton Paper Mill

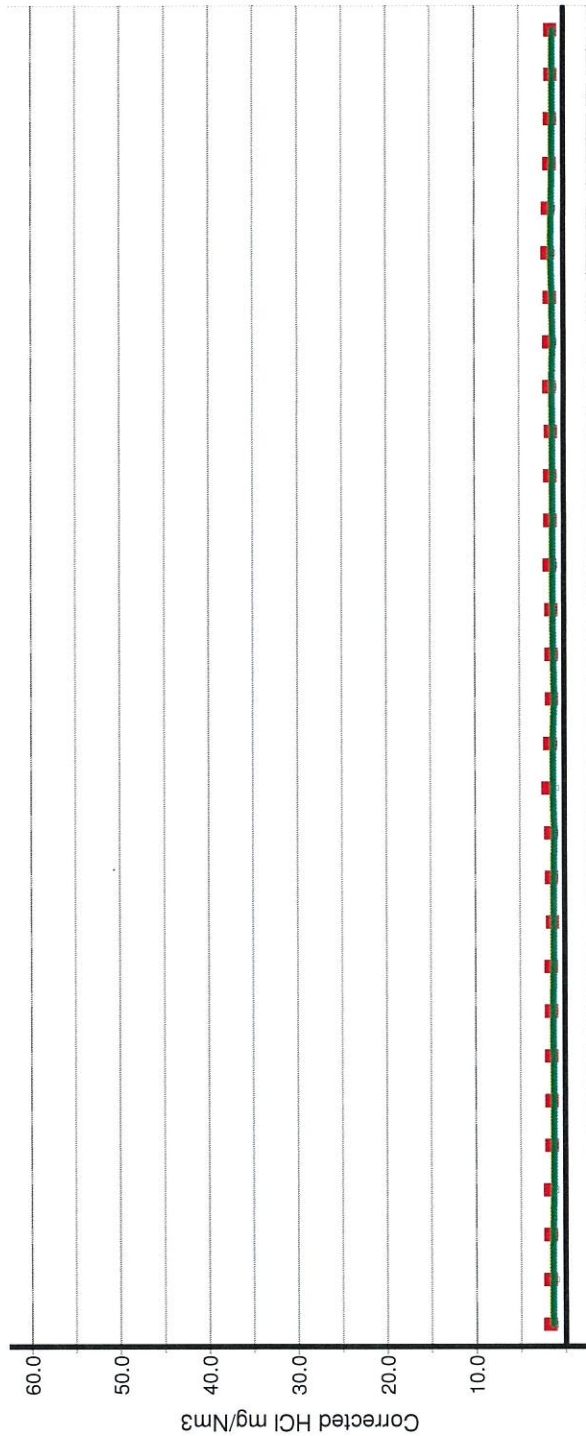
Operator: UPM-Kymmene (UK) Ltd
Form Number: Agency Form / PP3936SQ / A3 / Form Dated May 06

Reporting of Continuously Monitored Emissions to Air for Hydrogen Chloride Emission Point A20 for the month of September 2017

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
Average 30 min	Monthly maximum	1.8	1.7	1.7	1.7	1.5	1.5	1.5	1.5	1.5	1.3	1.5	1.5	1.5	1.8	1.6	1.4	1.4	1.4	1.6	1.5	1.4	1.6	1.6	1.5	1.7	1.7	1.5	1.5	1.4	1.4	
	Monthly mean	1.3	1.4	1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.2	1.2	1.1	1.3	1.3	1.1	1.2	1.3	1.3	1.3	1.3	1.2	1.3	1.2	1.3	1.4	1.3	1.3	1.2	1.2	1.2	
	Monthly minimum	1.0	1.2	1.1	1.2	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.0	1.1	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.1	1.1	1.1	1.1	
	Total invalid results	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	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	0
Average 24 hour	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
	No. invalid days	1.4	1.4	1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.2	1.2	1.1	1.3	1.3	1.1	1.2	1.3	1.3	1.3	1.3	1.2	1.3	1.2	1.3	1.4	1.3	1.3	1.2	1.2	1.2	1.2
	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	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: 1/10/17

Permit Reference Number: PP3936SQ
Installation: Shotton Paper Mill

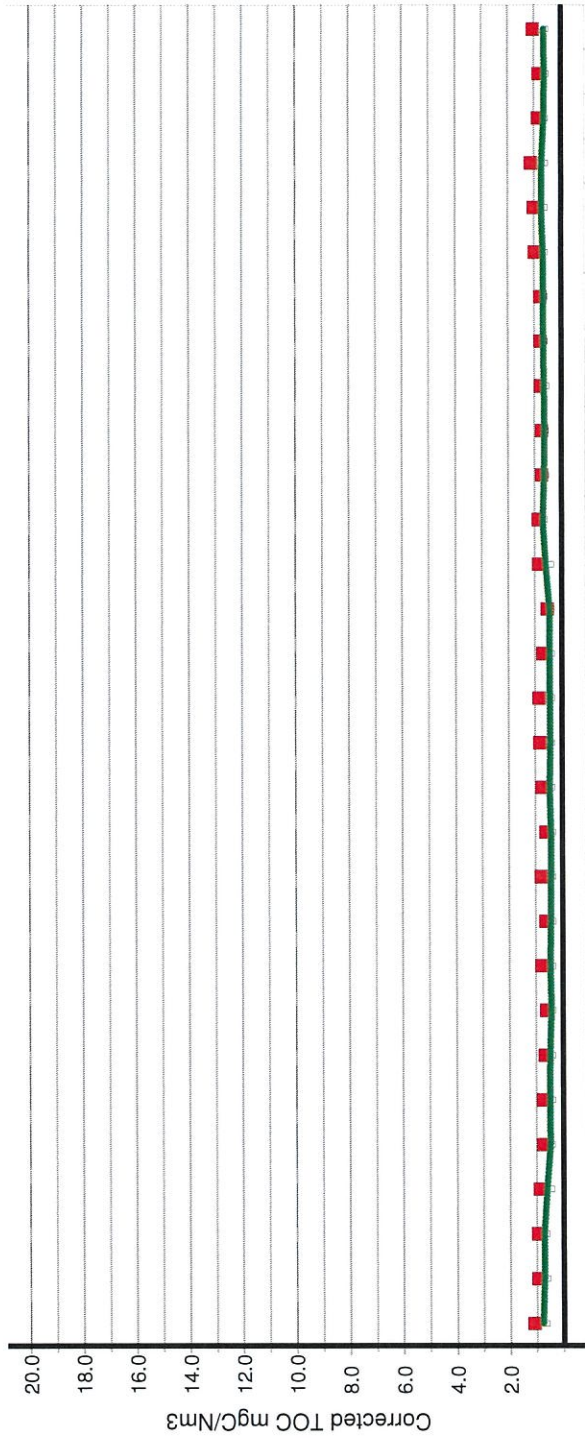
Operator: UPM-Kymmene (UK) Ltd
Form Number: Agency Form / PP3936SQ / A4 / Form Dated May 06

Reporting of Continuously Monitored Emissions to Air for TOC Emission Point A20 for the month of September 2017

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	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		
	Monthly maximum	1.1	1.0	1.0	0.9	0.7	0.8	0.7	0.6	0.8	0.6	0.8	0.6	0.8	0.8	0.9	0.7	0.5	0.8	0.9	0.7	0.7	0.8	0.8	0.8	1.0	1.0	1.1	0.9	0.8	1.0	0.8	1.0		
	Monthly mean	0.6	0.8	0.7	0.7	0.6	0.5	0.5	0.5	0.4	0.5	0.4	0.4	0.4	0.5	0.4	0.5	0.5	0.5	0.6	0.7	0.7	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6		
	Monthly minimum	0.4	0.7	0.6	0.6	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	
	Total invalid results	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	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	
		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
	Monthly maximum	0.8	0.7	0.7	0.6	0.5	0.5	0.5	0.4	0.5	0.4	0.5	0.4	0.4	0.5	0.4	0.5	0.5	0.5	0.6	0.7	0.7	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.6	
	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	
		Value valid?																																	
		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	n	n

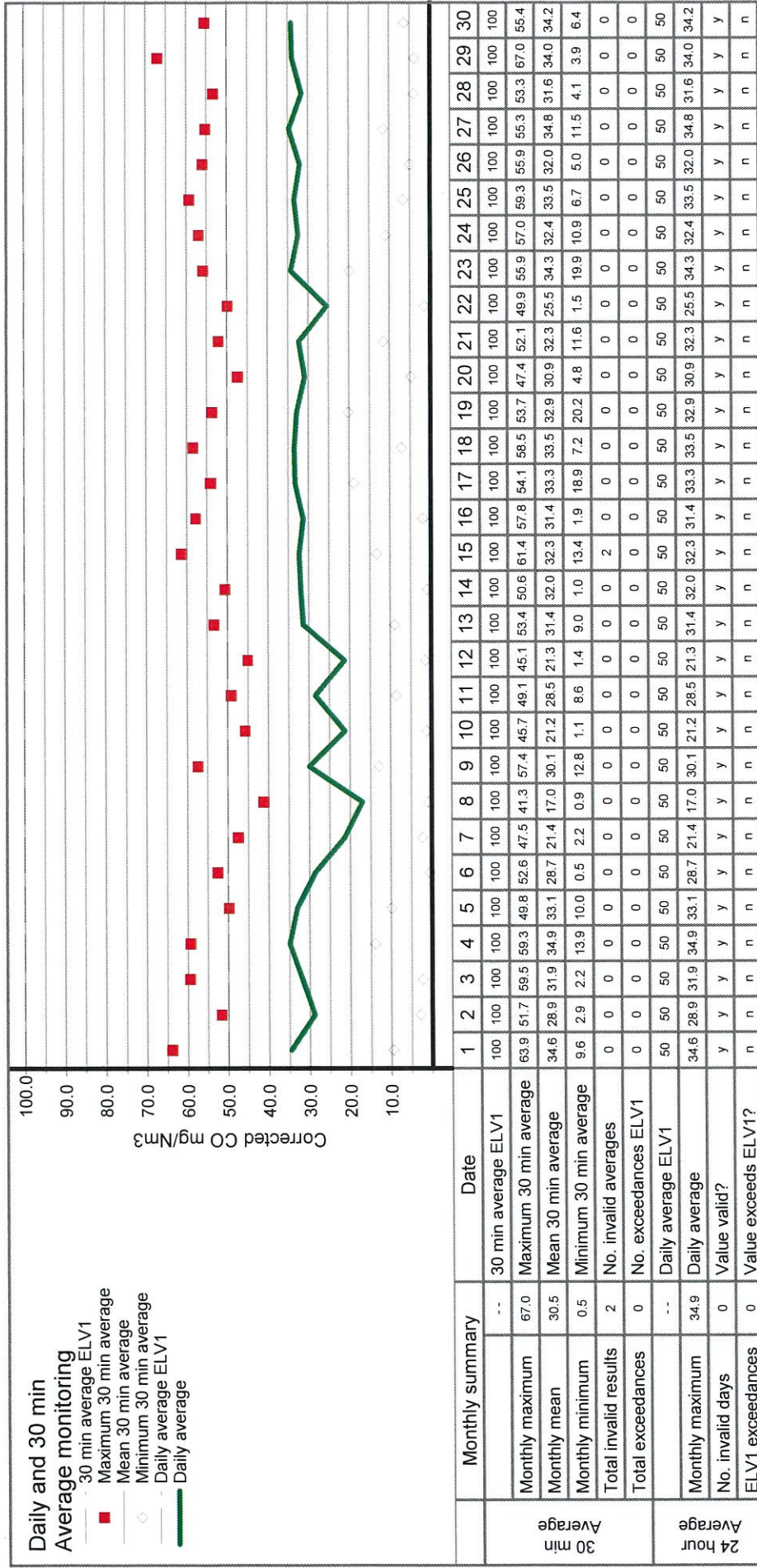
Signed..... Date.....

(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 September 2017



Signed  (Authorised to sign as representative of Operator)

Date: 1/11/17

Permit Reference Number: PP3936SQ
Installation: Shotton Paper Mill

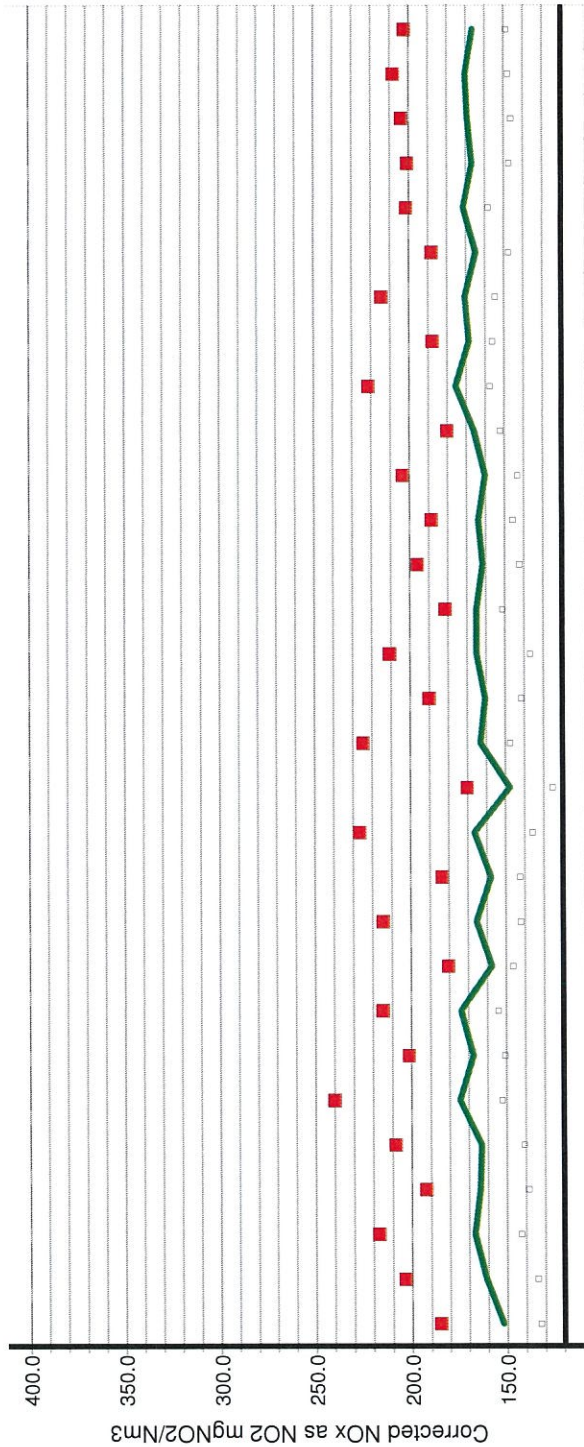
Operator: UPM-Kymmene (UK) Ltd
Form Number: Agency Form / PP3936SQ / A7 / Form Dated May 06

Reporting of Continuously Monitored Emissions to Air for Oxides of Nitrogen Emission Point A20 for the month of September 2017

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	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
	Monthly mean	239.9	Maximum 30 min average	185.0	203.5	217.1	192.4	208.4	239.9	201.2	214.8	180.4	214.5	183.7	226.5	170.3	224.6	190.0	210.6	181.5	195.9	188.6	203.7	180.3	221.4	187.7	214.4	188.2	201.5	200.7	204.0	208.2	202.4
	Monthly minimum	164.8	Mean 30 min average	151.9	160.8	166.8	163.9	163.1	174.4	167.3	173.7	157.3	165.3	157.7	166.3	147.6	163.0	160.4	164.9	164.9	161.4	163.7	160.1	165.8	175.4	168.4	170.5	164.6	171.3	166.6	169.0	170.2	166.4
	Monthly minimum	125.3	Minimum 30 min average	132.4	133.8	142.4	138.5	140.8	152.4	150.6	154.2	146.3	142.2	142.6	135.8	125.3	147.5	141.7	136.8	151.5	142.3	146.0	143.2	152.1	157.6	156.3	154.8	147.4	158.5	147.4	146.2	147.8	148.8
Average 30 min	Total invalid results	2	No. invalid averages	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	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
Average 24 hour	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
	No. invalid days	175.4	Daily average	151.9	160.8	166.8	163.9	163.1	174.4	167.3	173.7	157.3	165.3	157.7	166.3	147.6	163.0	160.4	164.9	164.9	161.4	163.7	160.1	165.8	175.4	168.4	170.5	164.6	171.3	166.6	169.0	170.2	166.4
Average 24 hour	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
	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

Signed
(Authorised to sign as representative of Operator)

Date: 1/11/17

Permit Reference Number: PP3936SQ
Installation: Shotton Paper Mill

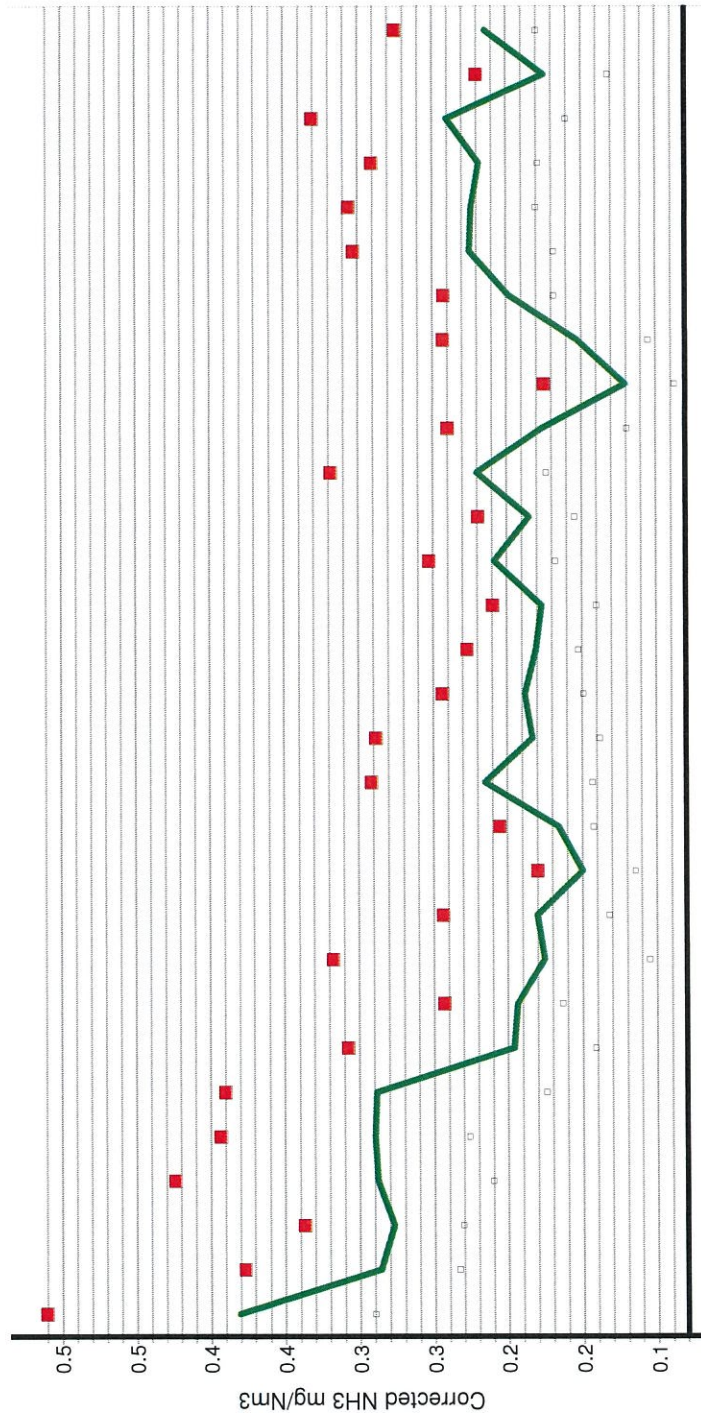
Operator: UPM-Kymmene (UK) Ltd
Form Number: Agency Form / PP3936SQ / A7 / Form Dated May 06

Reporting of Continuously Monitored Emissions to Air for Ammonia Emission Point A20 for the month of September 2017

Daily and 30 min

Average monitoring

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



Monthly summary		Date																														
30 min Average	Monthly maximum	0.6																														
	Monthly mean	0.4																														
	Monthly minimum	0.3																														
	Total invalid results	2																														
24 hour Average	Monthly maximum	0.4	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
	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

[Signature]

11/10

Signed
(Authorised to sign as representative of Operator)

Date: