

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 31st July 2015.
There was during the period 2 CO exceedances indicated on 1st July and 29th July these have been reported with all relevant paperwork eg Part A and Part B being completed

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

Permit Reference Number: PP3936SQ
Installation: Shotton Paper Mill

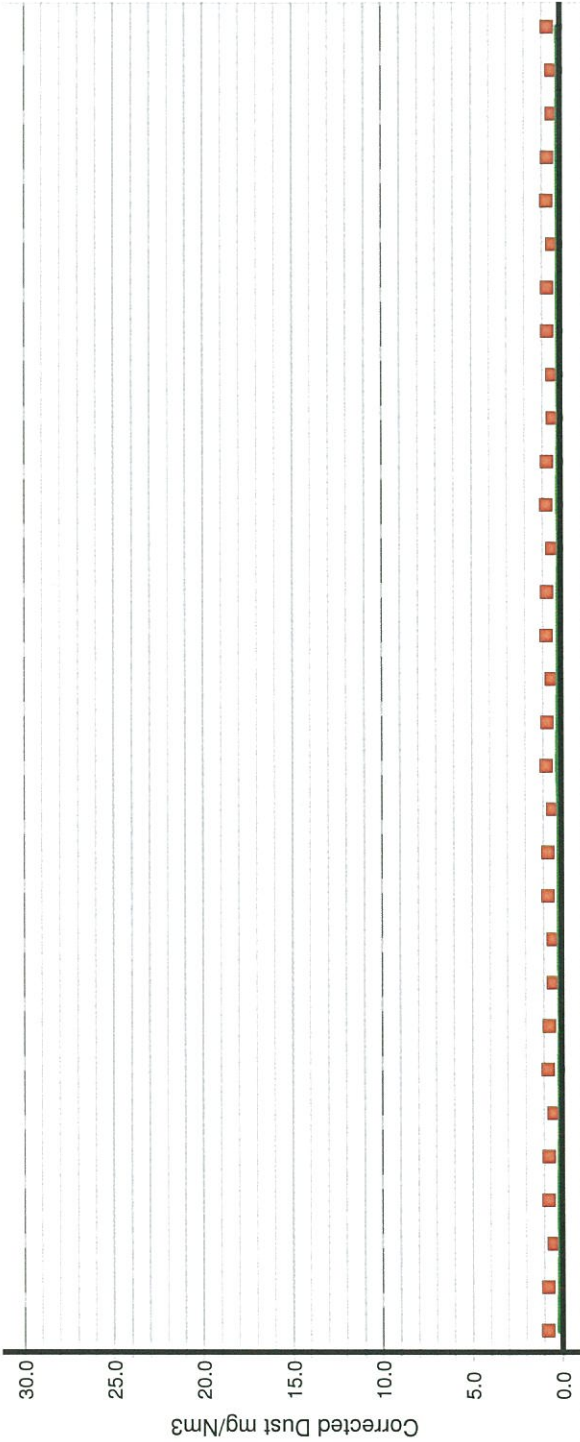
Operator: UPM-Kymmene (UK) Ltd
Form Number: Agency Form / PP3936SQ / A2 / Form Dated May 06

Reporting of Continuously Monitored Emissions to Air for Particulates Emission Point A20 for the month of July 2015

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



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 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	30
30 min	Monthly maximum	0.8	Maximum 30 min average	0.8	0.8	0.5	0.8	0.7	0.4	0.8	0.7	0.5	0.5	0.8	0.8	0.5	0.8	0.8	0.5	0.8	0.8	0.5	0.8	0.8	0.4	0.4	0.7	0.7	0.4	0.8	0.7	0.4	0.7	0.4	0.7
	Monthly mean	0.1	Mean 30 min average	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
	Monthly minimum	0.0	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	0.1	0.0	0.0	0.1	0.0	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	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	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
		--	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
	Monthly maximum	0.2	Daily average	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	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	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

26/8/15

Date.....

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 July 2015

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	2.6	2.0	1.9	2.0	2.0	1.8	1.6	2.0	1.8	1.9	2.1	2.0	2.3	2.3	2.2	2.6	2.0	2.1	2.1	1.9	2.1	2.0	2.1	2.2	2.0	2.2	2.2	2.3	2.1	1.8	2.3	1.8	2.1
	Monthly mean	1.7	1.5	1.6	1.7	1.6	1.5	1.6	1.5	1.6	1.6	1.7	1.7	1.8	1.9	2.0	1.9	1.8	1.8	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.9	1.8	1.6	1.6	1.5	1.5	
	Monthly minimum	1.0	1.4	1.4	1.4	1.4	1.3	1.2	1.2	1.3	1.3	1.3	1.5	1.5	1.3	1.9	1.7	1.2	1.6	1.5	1.5	1.2	1.4	1.3	1.4	1.4	1.6	1.6	1.5	1.3	1.3	1.3	1.3	
	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
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	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
	Daily average	2.0	1.7	1.5	1.6	1.7	1.6	1.5	1.6	1.6	1.7	1.7	1.7	1.8	1.9	2.0	1.9	1.8	1.8	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.9	1.9	1.8	1.6	1.5	1.5	
	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	y	y
	ELV1 exceeds	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
	Value exceeds ELV1?																																	

[Signature]

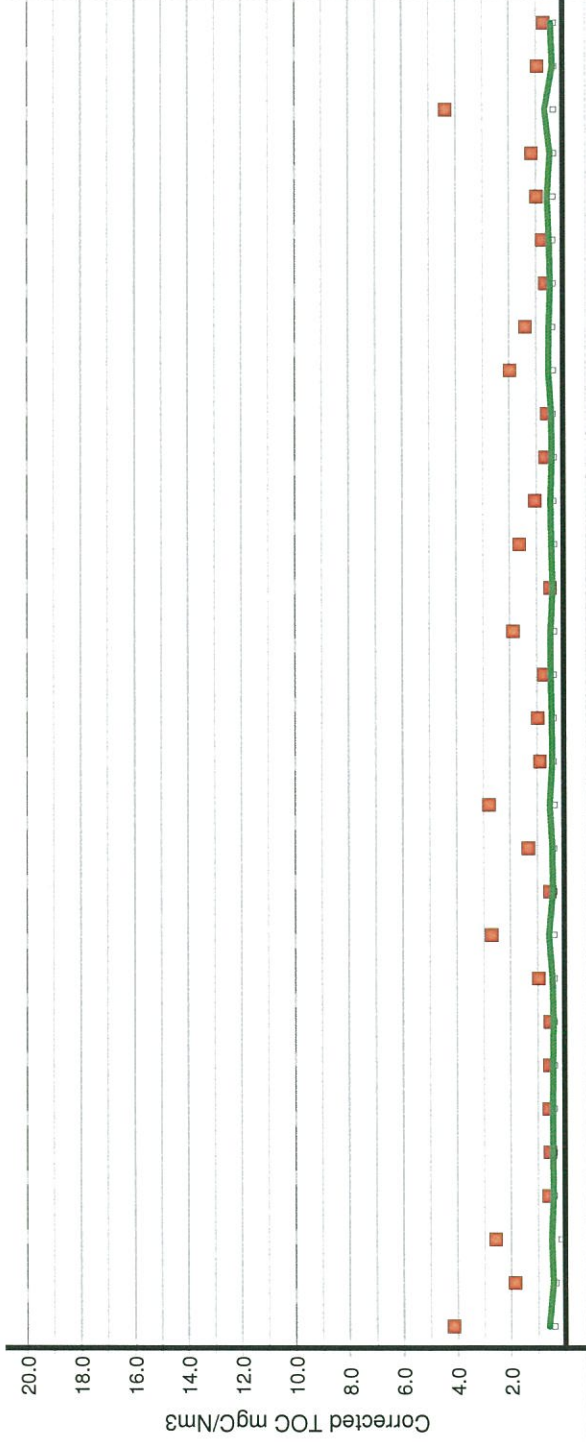
Date: 26/8/15

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(Authorised to sign as representative of Operator)

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

Daily and 30 min
Average monitoring

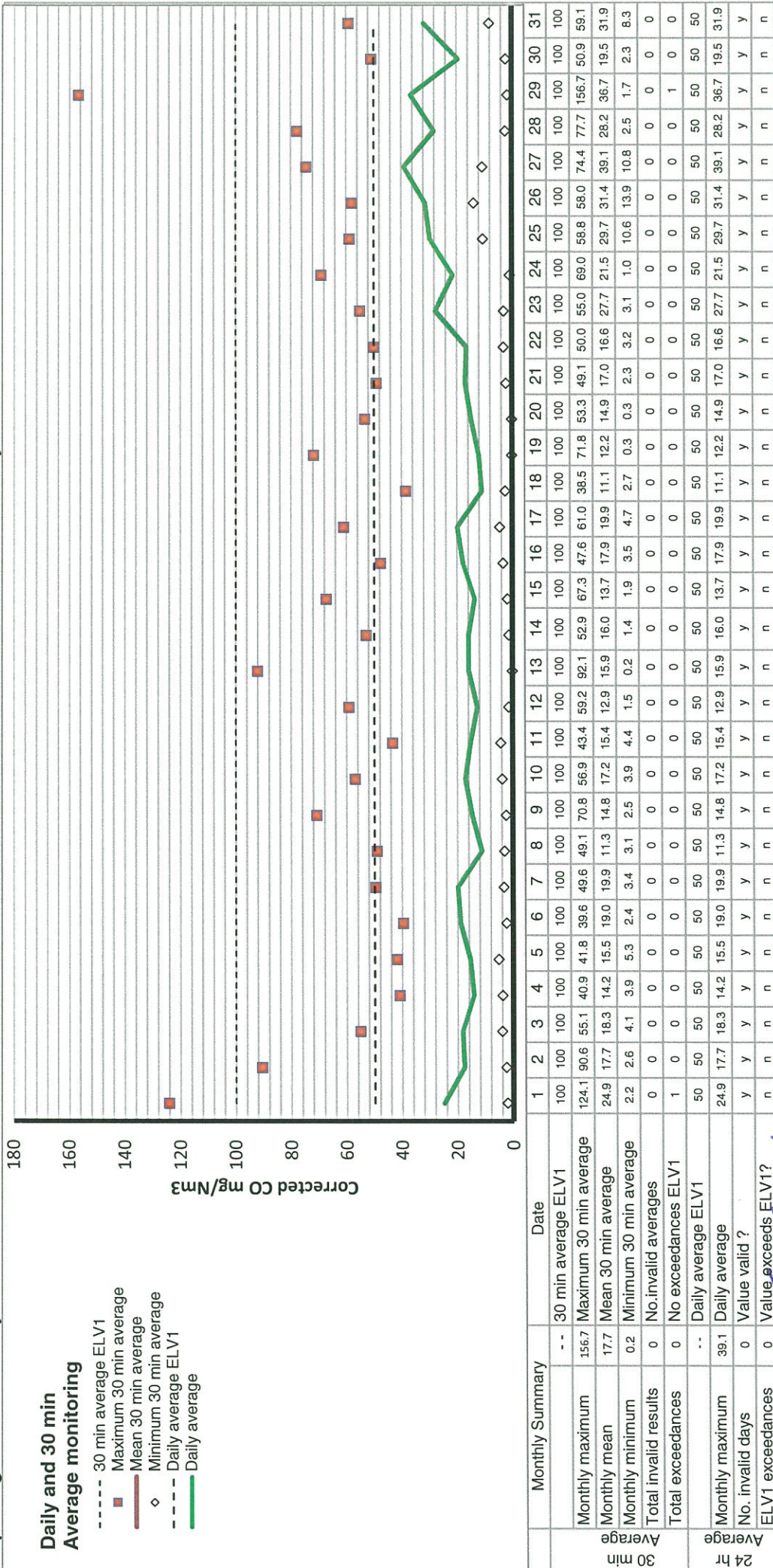
—	—	30 min average ELV1
■	■	Maximum 30 min average
—	—	Mean 30 min average
□	□	Minimum 30 min average
—	—	Daily average ELV1
—	—	Daily average

[illegible]

Signed
(Authorised to sign as representative of Operator)

Date: 26/8/15

Reporting of Continuously Monitored Emissions to Air for Carbon Monoxide Emission Point A20 for the month of July 2015

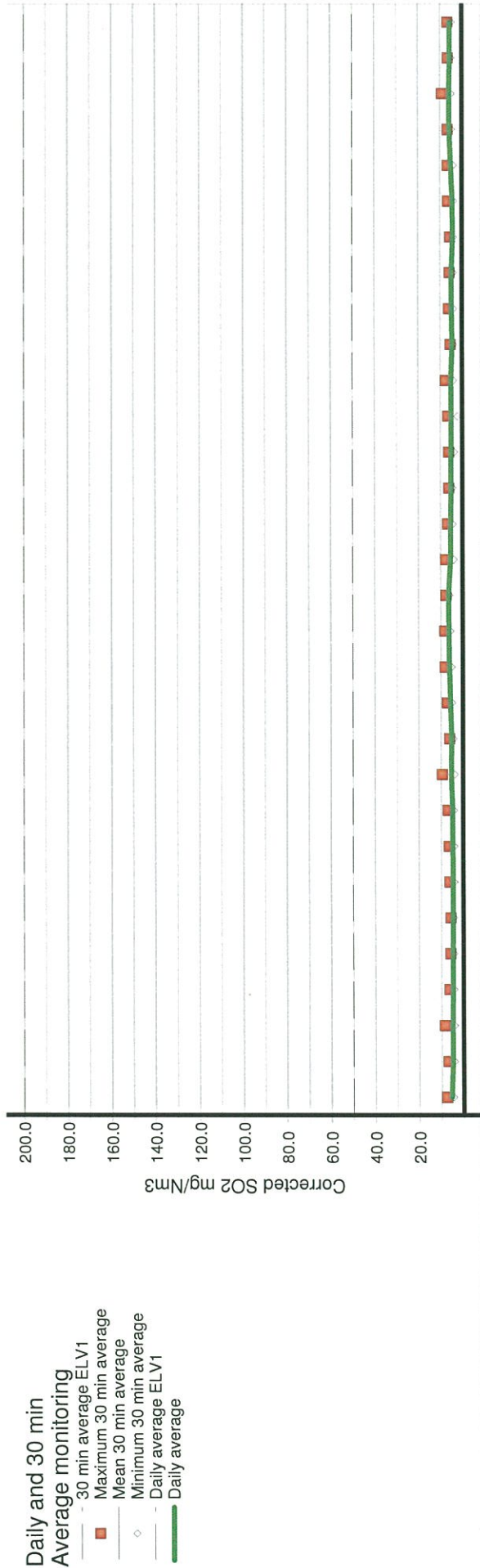


Signed Date 26/8/15
(Authorised to sign as representative of Operator)

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 July 2015



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	31
	Monthly maximum	--	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	200
30 min Average	Monthly maximum	9.5	Maximum 30 min average	7.6	6.9	8.6	6.3	5.8	5.7	6.3	6.4	6.9	9.5	6.1	7.1	8.1	8.2	7.5	7.7	6.8	6.2	6.2	6.5	7.5	5.4	6.0	5.8	5.5	6.4	6.6	6.6	9.1	6.4	6.5	
	Monthly mean	5.2	Mean 30 min average	5.5	5.0	5.1	4.9	4.8	4.7	4.8	4.8	4.9	5.4	5.3	5.6	6.1	6.3	6.5	5.6	5.4	5.3	5.2	5.0	5.2	4.6	4.9	4.8	4.3	4.3	5.1	5.8	5.9	5.6	5.5	
	Monthly minimum	2.2	Minimum 30 min average	4.8	4.3	4.2	4.4	4.3	4.4	4.2	4.1	4.3	3.9	4.4	4.9	5.1	5.7	6.1	4.0	4.5	4.5	3.7	2.2	4.1	4.1	4.1	4.0	3.9	4.0	4.8	4.9	5.1	4.9		
	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	
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	
	Monthly maximum	--	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	
		6.5	Daily average	5.5	5.0	5.1	4.9	4.8	4.7	4.8	4.8	4.8	4.9	5.4	5.3	5.6	6.1	6.3	6.5	5.6	5.4	5.3	5.2	5.0	5.2	4.6	4.9	4.8	4.3	4.3	5.1	5.8	5.9	5.6	5.5
	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
24 hour Average	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	

[Signature]

26/8/15

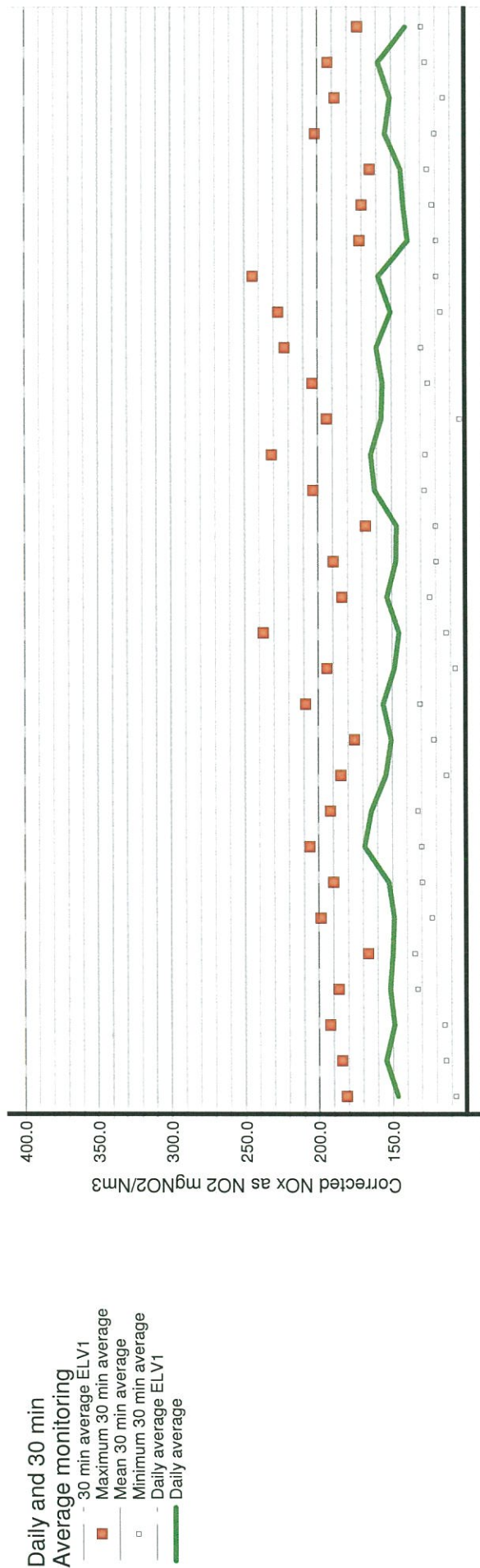
Date.....

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 /A7 /Form Dated May 06

Reporting of Continuously Monitored Emissions to Air for Oxides of Nitrogen Emission Point A20 for the month of July 2015



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	Monthly maximum	244.4	Maximum 30 min average																														
	Monthly mean	152.4	Mean 30 min average																														
	Monthly minimum	103.8	Minimum 30 min average																														
	Total invalid results	0	No. invalid averages																														
Average	Total exceedances	0	No. exceedances ELV1																														
	Daily average ELV1	--	Daily average ELV1																														
	Monthly maximum	168.9	Daily average																														
	No. invalid days	0	Value valid?																														
24 hour	Value exceeds ELV1?	0	Value exceeds ELV1?																														

Signed.....
(Authorised to sign as representative of Operator)

Date..... 26/8/15

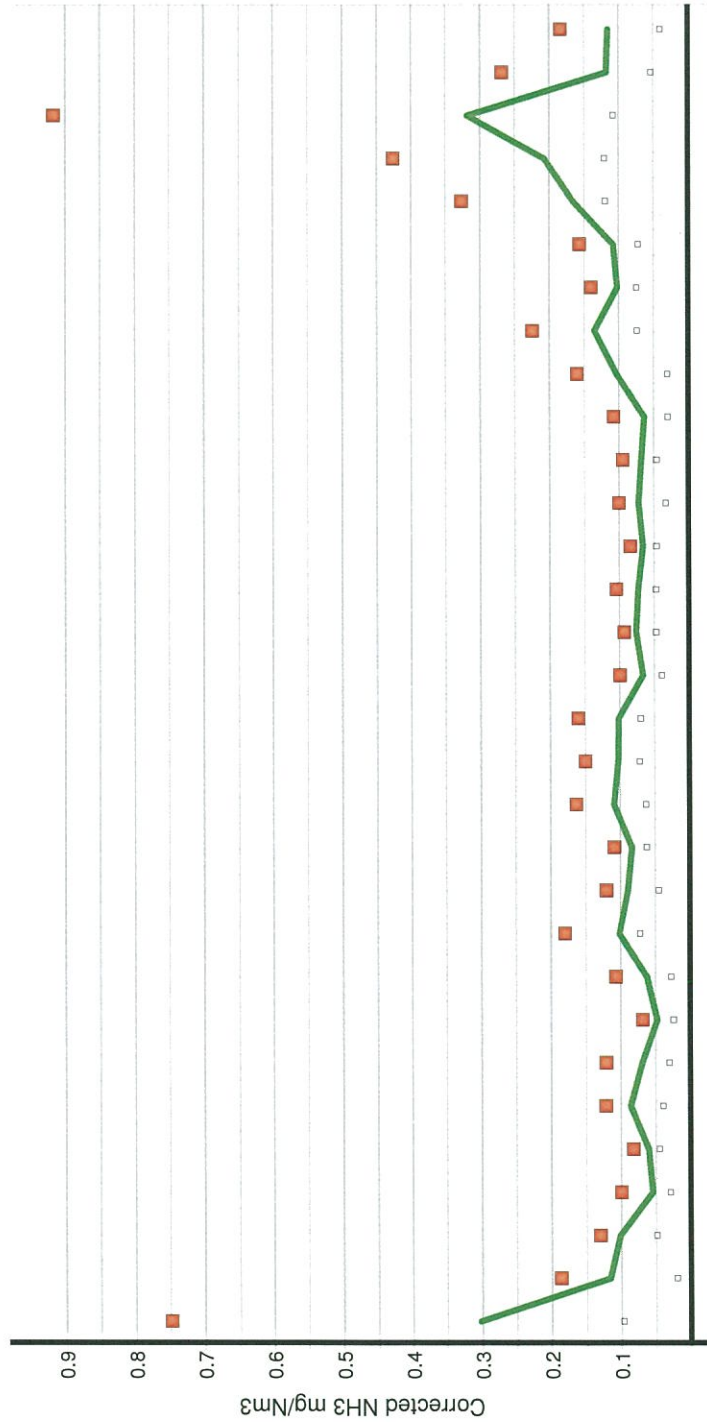
Permit Reference Number: PP3936SQ
Installation: Shotton Paper Mill

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 July 2015

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	0.9	Maximum 30 min average	0.7	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 mean	0.1	Mean 30 min average	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.2	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.3	0.4	0.9	0.3	0.2	
	Monthly minimum	0.0	Minimum 30 min average	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.3	0.1	0.1	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	0	0	0	0	0		
	Monthly maximum	0.3	Daily average	0.3	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.1	0.1		
24 hour average	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	Y		

26/8/15

Date.....

Signed
(Authorised to sign as representative of Operator)