

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
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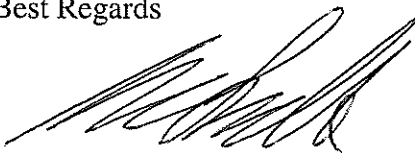
Please find enclosed graphs / reports for Continuously Monitored Emissions to Air A2 to A8 for the period ending 31st May 2016.

On the 5th May there is indicated a CO exceedance, this occurred during Day Silo screw inspections whilst the Boiler was on gas, so was not reported

In addition during this period we had our annual planned Boiler shutdown which commenced on 10th May and was completed successfully on 25th May, within this period you will note that there are a number of either invalid data or exceedances indicated of various reportable parameters these have not been reported as non compliances

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

Best Regards



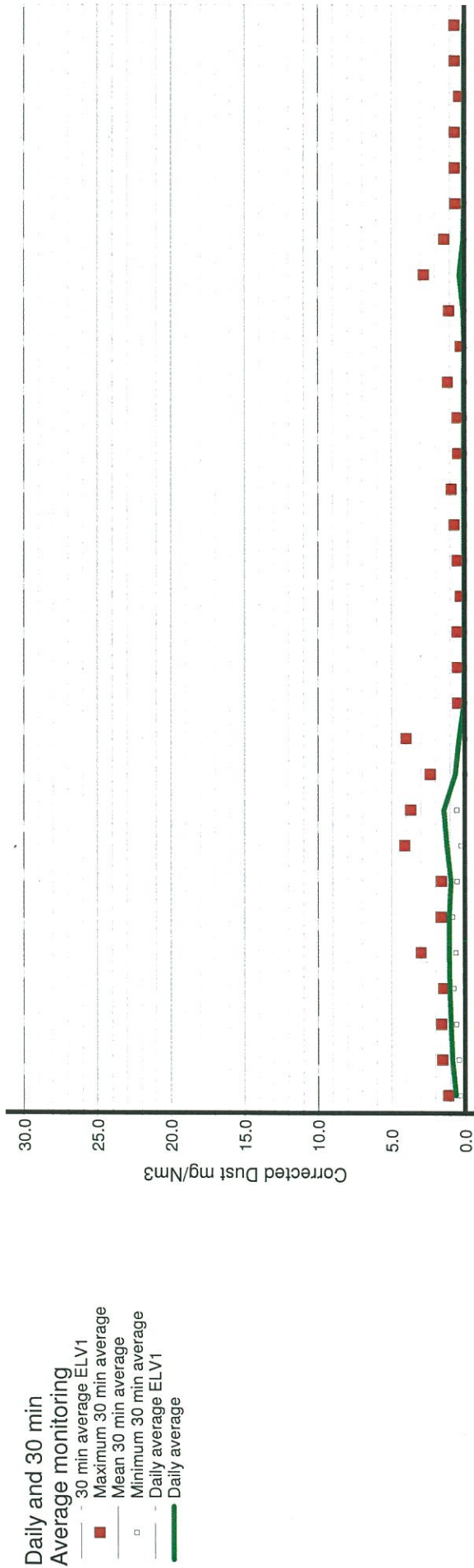
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Permit Reference Number: PP3936SQ
Installation: Shotton Paper Mill

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 May 2016



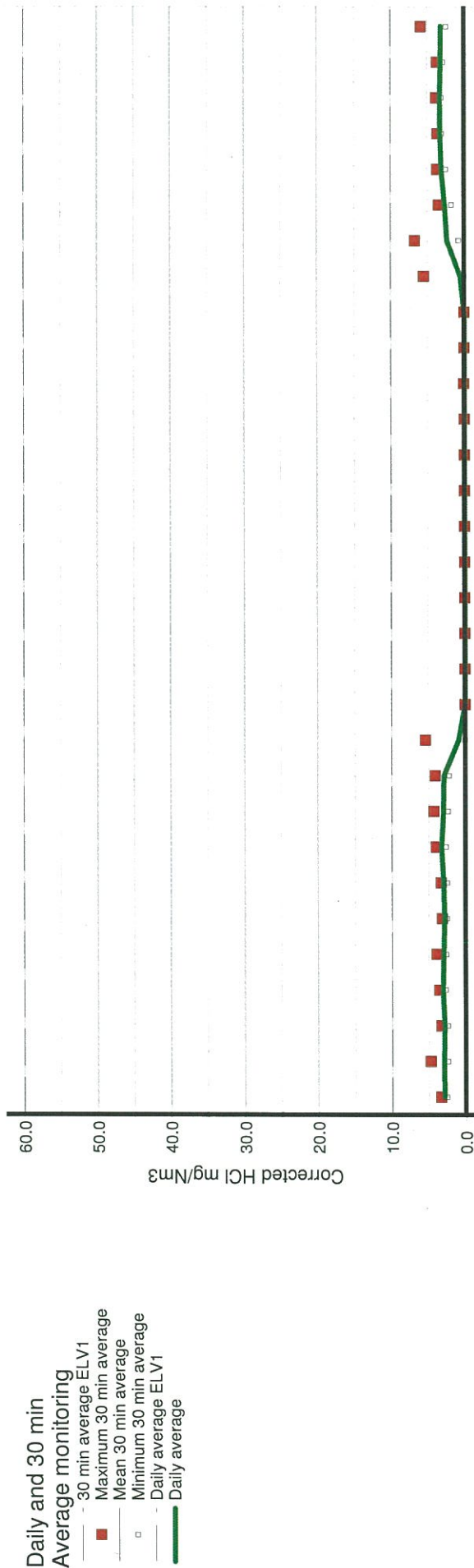
Monthly summary		Date																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
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Signed Date 9/10/16
(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 May 2016



Monthly summary		Date	30 min average ELV1	Maximum 30 min average	Mean 30 min average	Minimum 30 min average	No. invalid averages	No. exceedances ELV1	Daily average ELV1	Daily average	Value valid?	Value exceeds ELV1?
30 min Average	Monthly maximum	--	6.7	3.4	2.9	2.4	0	0	0	0	0	0
	Monthly mean	1.7	3.0	2.9	2.9	2.4	0	0	0	0	0	0
	Monthly minimum	0.0	2.6	2.5	2.4	2.7	0	0	0	0	0	0
	Total invalid results	1	No. invalid results	0	0	0	0	0	0	0	0	0
24 hour Average	Total exceedances	0	No. exceedances	0	0	0	0	0	0	0	0	0
	Monthly maximum	--	10	10	10	10	0	0	0	0	0	0
	No. invalid days	3.3	2.9	3.0	2.9	3.0	0	0	0	0	0	0
	ELV1 exceedances	0	Value valid?	Value exceeds ELV1?	Value valid?	Value exceeds ELV1?	Value valid?	Value exceeds ELV1?	Value valid?	Value exceeds ELV1?	Value valid?	Value exceeds ELV1?

[Signature]

Signed
(Authorised to sign as representative of Operator)

Date 9/10/16

Permit Reference Number: PP3936SQ
Installation: Shotton Paper Mill

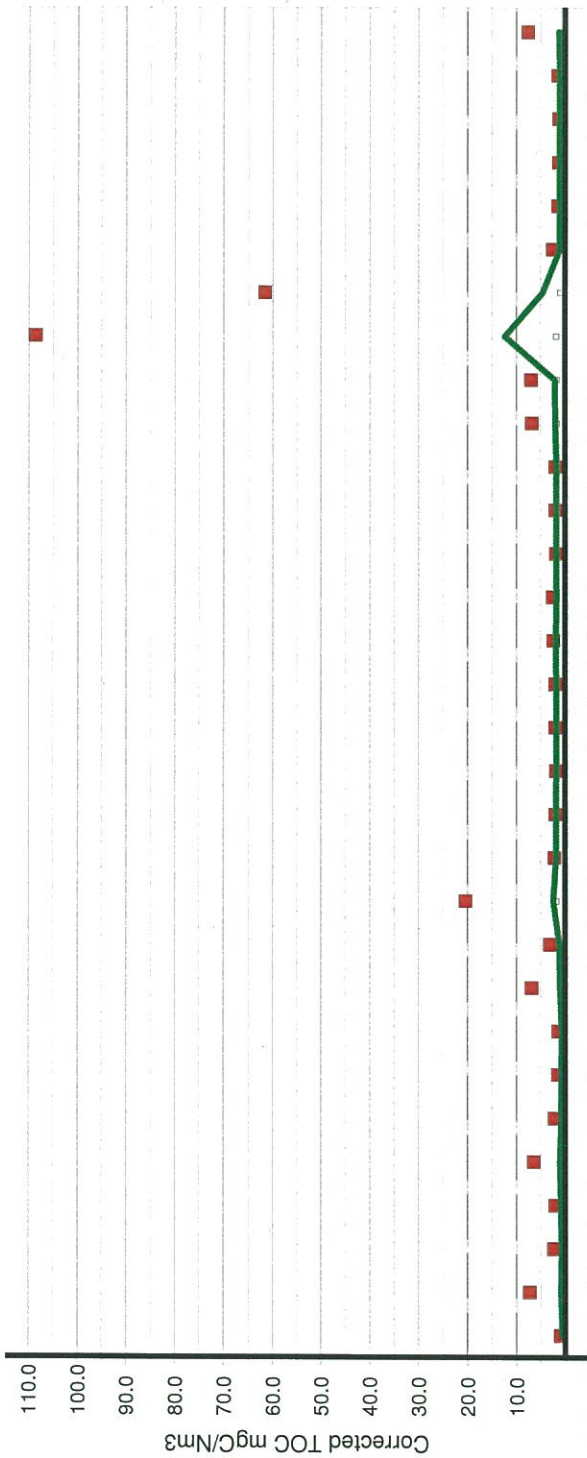
Operator: UPM-Kymmene (UK) Ltd
Form Number: Agency Form / PP3936SQ /A4 /Form Dated May 06

Reporting of Continuously Monitored Emissions to Air for TOC Emission Point A20 for the month of May 2016

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	Monthly maximum	--	30 min average ELV1
24 hour	Monthly mean	108.6	Maximum 30 min average
	Monthly minimum	1.9	Mean 30 min average
	Total invalid results	0.4	Minimum 30 min average
	Total exceedances	1	No. invalid averages
	Monthly maximum	8	No. exceedances ELV1
	No. invalid days	--	Daily average ELV1
	ELV1 exceedances	12.4	Daily average
		0	Value valid?
		1	Value exceeds ELV1?

[Signature]

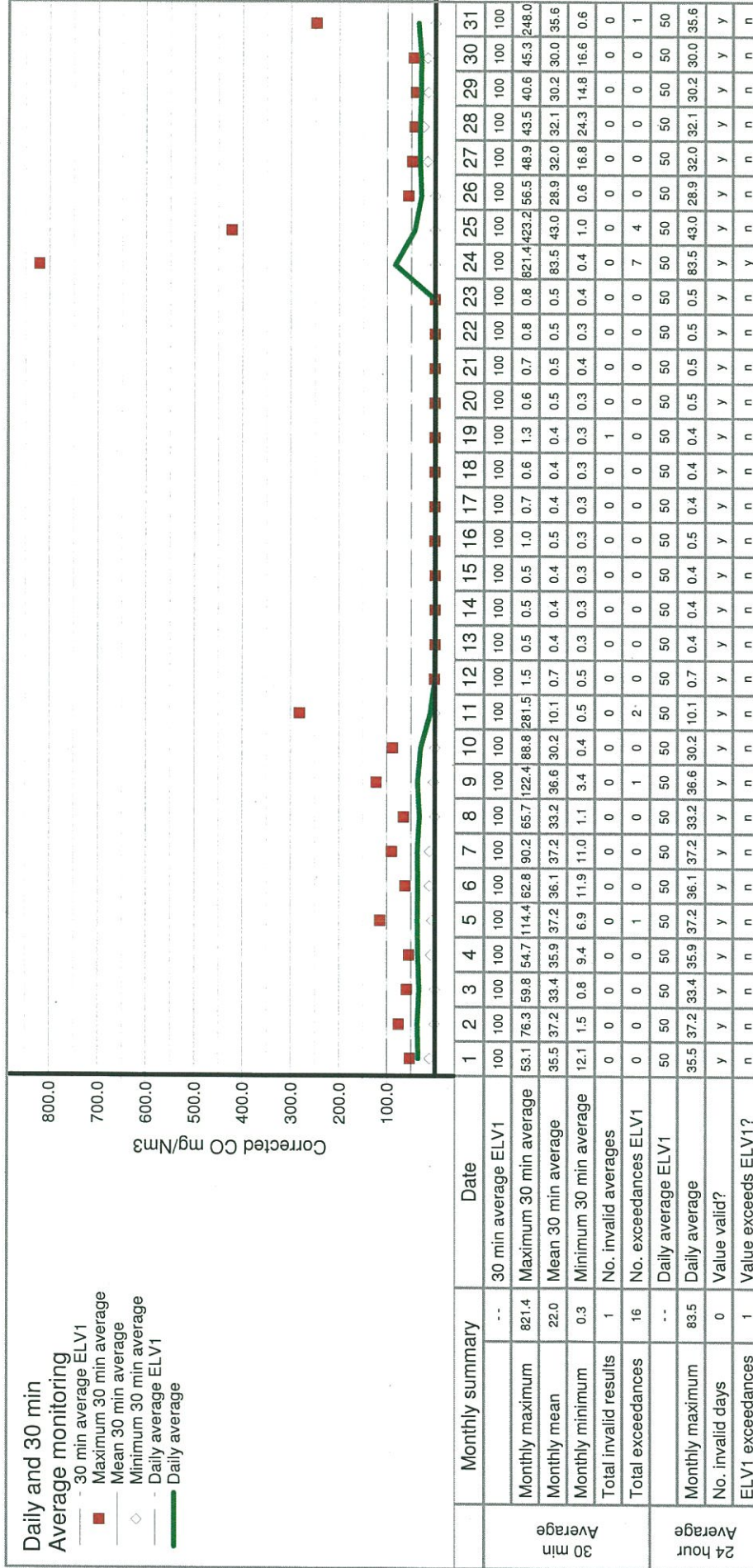
Signed Date 9/6/16

(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 May 2016



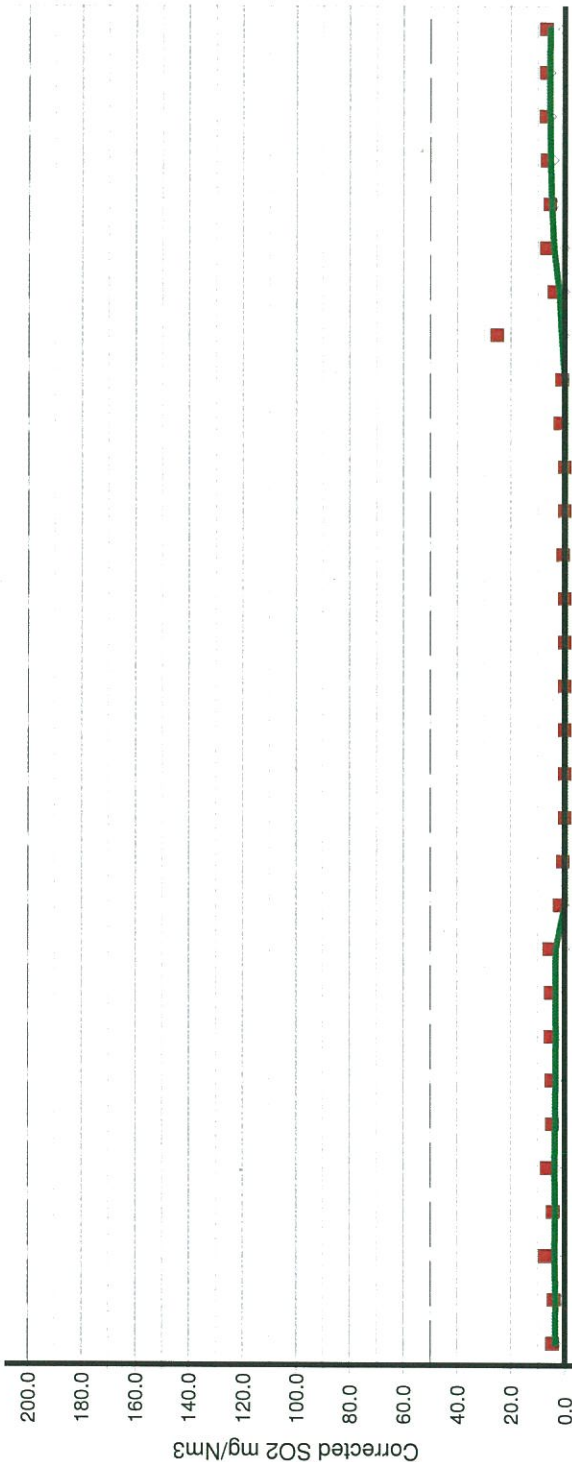
Signed  (Authorised to sign as representative of Operator)

Date: 9/6/16

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 May 2016



Monthly summary		Date
30 min	30 min average ELV1	200
Average	Maximum 30 min average	4.6
	Mean 30 min average	3.6
	Minimum 30 min average	3.2
	Total invalid results	1
	Total exceedances	0
24 hour	Monthly maximum	5.6
	No. invalid days	0
	ELV1 exceedances	0

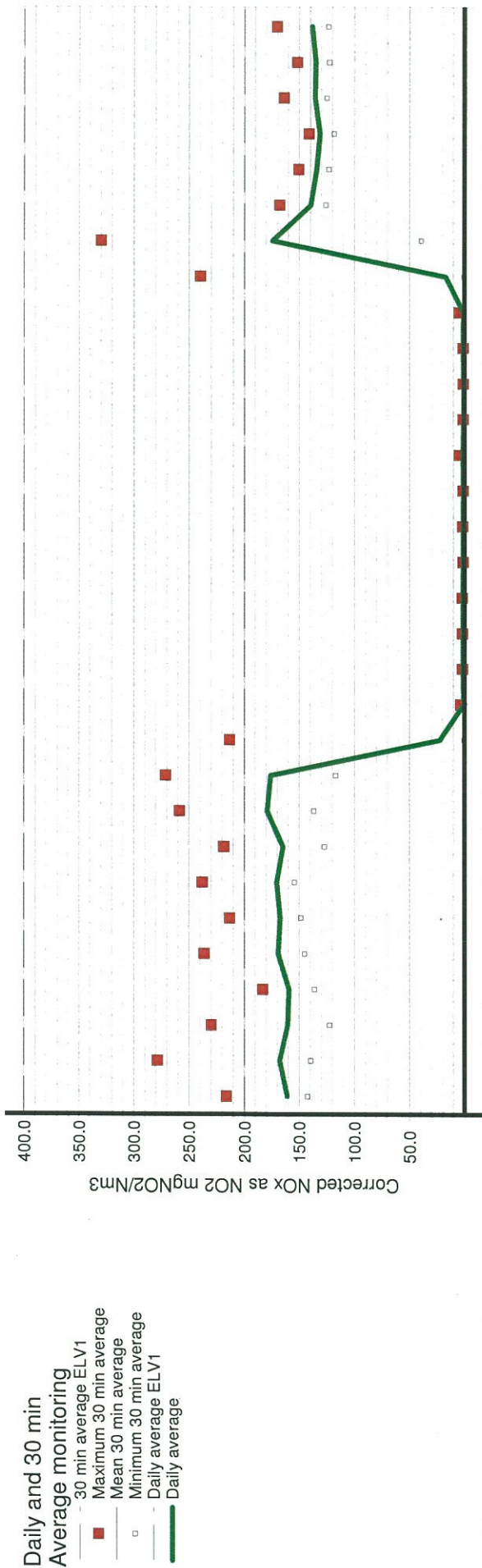
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200
4.6	4.0	7.3	4.4	6.6	4.7	4.9	5.3	5.1	5.8	1.8	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.0	1.6	1.0	25.3	3.9	6.7	5.6	6.6	7.0	6.9	6.9
3.6	3.5	3.8	3.6	3.8	3.6	3.5	3.3	3.5	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.2	4.0	4.8	5.3	5.6	5.6	5.4
3.2	1.5	3.0	3.0	3.0	3.1	2.8	2.5	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	3.5	4.0	4.9	5.2	0.9	0.9
No. invalid averages	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
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
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
Daily average	3.6	3.5	3.8	3.6	3.8	3.6	3.5	3.3	3.5	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	2.2	4.0	4.8	5.3	5.6	5.6	5.4
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

Signed  Date 9/6/16 (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 May 2016



Monthly summary		Date
30 min	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
Monthly maximum	329.7	400 400
Monthly mean	87.7	216.3 278.6 230.0 183.2 236.5 213.3 238.1 218.6 258.7 271.1 213.4 3.4 1.9 1.9 2.1 1.6 1.7 1.6 4.5 1.4 1.3 1.6 5.0 240.0 329.7 168.0 150.8 141.3 163.9 152.0 170.2
Monthly minimum	0.2	161.0 167.7 160.5 159.3 169.1 167.4 170.5 164.8 179.3 176.1 22.6 0.9 1.5 1.5 1.2 1.1 1.1 1.1 0.9 0.8 1.2 1.1 17.2 174.4 139.5 134.4 131.5 135.9 135.0 138.4
Monthly maximum	0.2	142.6 139.5 122.5 136.2 145.2 148.5 154.4 127.2 136.7 116.7 0.4 0.2 0.8 1.1 0.8 0.8 0.8 0.9 0.4 0.3 0.7 0.6 0.6 39.2 126.0 123.3 118.5 125.1 122.7 123.5
Total invalid results	1	No. invalid averages
Total exceedances	0	No. exceedances ELV1
24 hour	179.3	Daily average ELV1
Monthly maximum	179.3	Daily average
No. invalid days	0	Value valid?
ELV1 exceedances	0	Value exceeds ELV1?

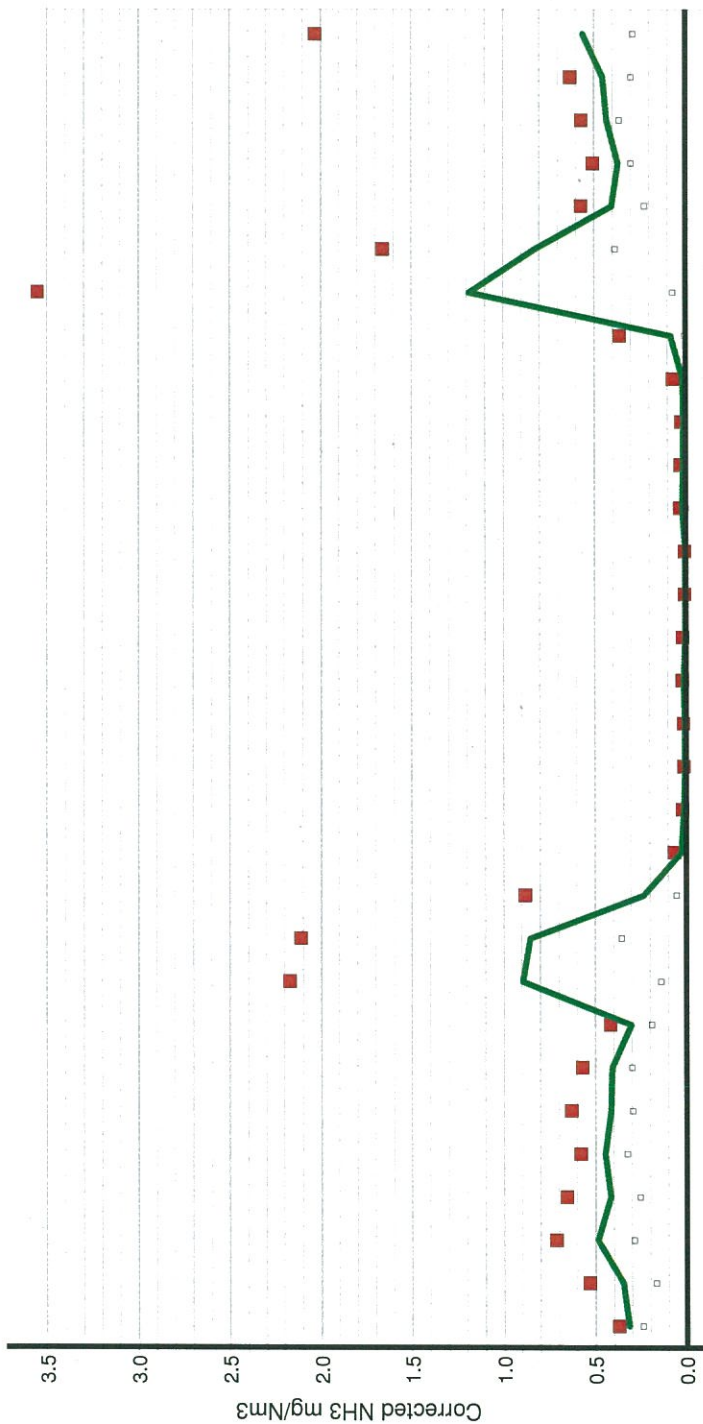
Signed Date 09/06/16
(Authorised to sign as representative of Operator)

Permit Reference Number: PP3936SQ
Installation: Shotton Paper Mill

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

Reporting of Continuously Monitored Emissions to Air for Ammonia Emission Point A20 for the month of May 2016

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	3.6	Maximum 30 min average	0.4
Monthly mean	0.3	Mean 30 min average	0.3
Monthly minimum	0.0	Minimum 30 min average	0.2
Total invalid results	1	No. invalid averages	0
Monthly maximum	1.2	Daily average	0.3
No. invalid days	0	Value valid?	y

[Signature]

Date: 9/6/16

Signed: (Authorised to sign as representative of Operator)