

Month End Report

UPM-Kymmene (UK)

Permit Reference PP3936SQ
Installation Shotton Paper

To Alison Soper
Natural Resources Wales
Chester Road
Buckley
Flintshire
CH7 3AJ

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Please find enclosed graphs / reports for Continuously Monitored Emissions to Air A2 to A8 for the period ending 30th September 2015.

As you can see from the trends we had a significant shutdown towards the end of the month this resulted in Solid Fuel being off the Boiler from 22nd September through to 28 September inclusive. During this time you will see a number of Carbon Monoxide (CO) and Total Organic Compounds (TOC) half hour periods in which our limit was exceeded these all occurred whilst solid fuel was off and as a result have not been reported.

If you require any further information please let me know

Best Regards



Kevin Smith
Utilities Manager
UPM (UK) Shotton

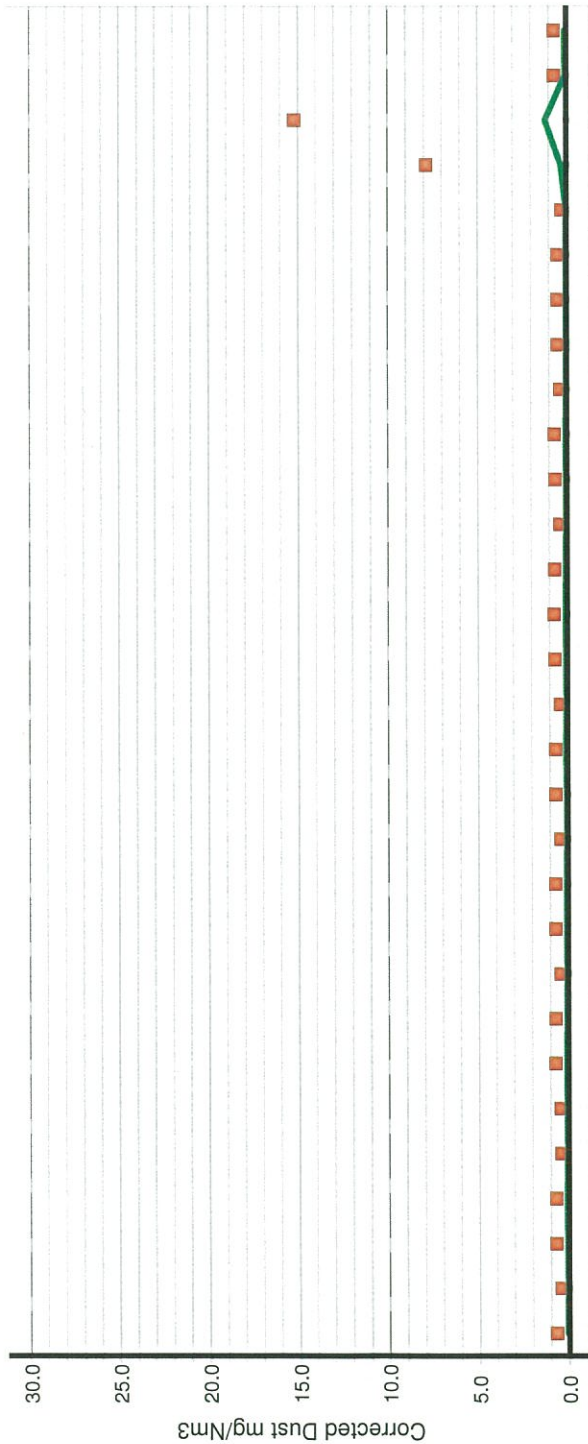
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Operator: UPM-Kymmene (UK) Ltd
Form Number: Agency Form / PP3936SQ /A2 /Form Dated May 06

Daily and 30 min

Average monitoring

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

[illegible]

Signed Date.....

(Authorised to sign as representative of Operator)

6/11/15

Permit Reference Number: PP3936SQ
Installation: Shotton Paper Mill

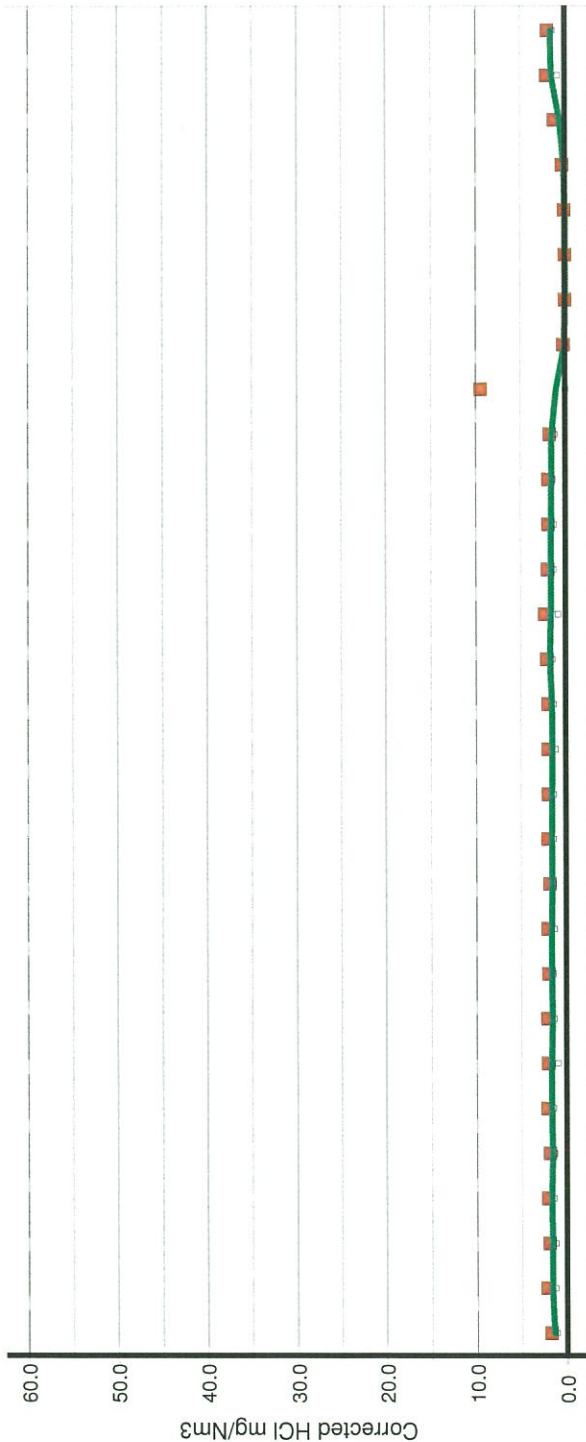
Operator: UPM-Kymmene (UK) Ltd
Form Number: Agency Form / PP3936SQ/A3 /Form Dated May 06

Reporting of Continuously Monitored Emissions to Air for Hydrogen Chloride Emission Point A20 for the month of September 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																																
	--	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	
30 min	Monthly maximum	9.5	Maximum 30 min average		1.8	2.2	1.9	2.1	1.9	2.1	2.0	2.1	2.0	2.0	1.8	2.0	2.0	2.0	2.0	2.1	2.3	2.0	1.9	1.9	1.7	9.5	0.2	0.0	0.0	0.0	0.1	0.3	1.2	2.1	2.0
	Monthly mean	1.3	Mean 30 min average		1.4	1.7	1.6	1.7	1.6	1.7	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.6	1.8	1.7	1.6	1.6	1.6	1.6	1.0	0.1	0.0	0.0	0.0	0.1	0.6	1.5	1.6	
	Monthly minimum	0.0	Minimum 30 min average		1.1	1.3	1.3	1.5	1.3	1.4	0.9	1.4	1.4	1.3	1.4	1.4	1.4	1.1	1.3	1.5	0.8	1.3	1.3	1.4	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.8	1.4	
	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	
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	
	Monthly maximum	1.8	Daily average		1.4	1.7	1.6	1.7	1.6	1.7	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.6	1.8	1.7	1.6	1.6	1.6	1.6	1.0	0.1	0.0	0.0	0.0	0.1	0.6	1.5	1.6	
	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	n

Signed Date: 6/11/15
(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 /A4 /Form Dated May 06

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



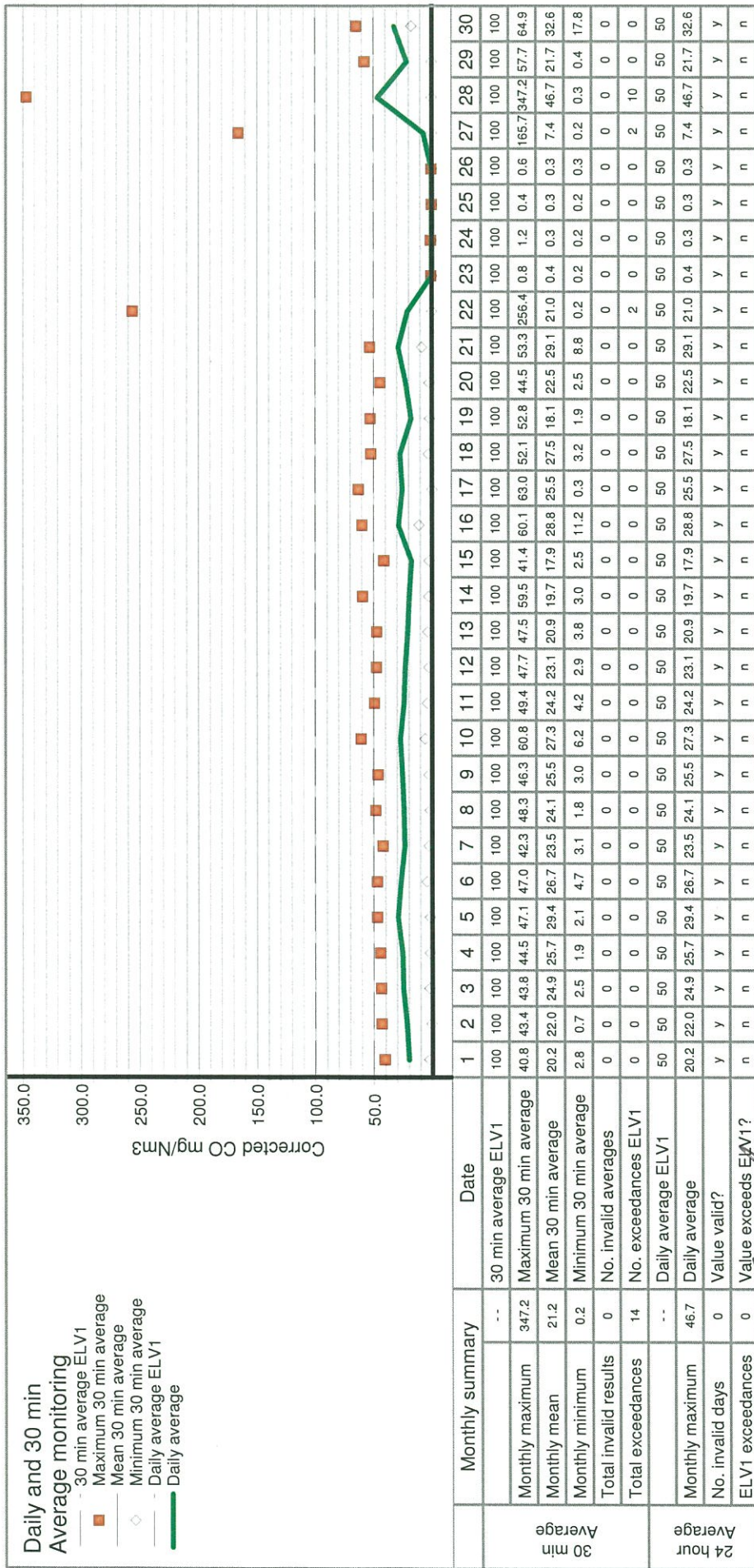
Average	Monthly summary		Date																													
	--	30 min average ELV1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
30 min	Monthly maximum	61.5	Maximum 30 min average	1.4	0.6	0.7	0.9	0.7	0.8	1.5	0.8	1.4	1.1	1.0	1.0	1.1	1.0	1.4	1.7	1.4	1.0	0.8	1.7	12.2	6.0	1.7	3.3	2.1	61.5	49.8	7.4	1.4
	Monthly mean	1.4	Mean 30 min average	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.7	0.8	0.7	0.7	0.7	0.7	1.6	1.7	1.5	1.6	1.7	5.1	12.3	1.2	0.8
	Monthly minimum	0.5	Minimum 30 min average	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.6	0.6	0.6	0.6	0.5	0.6	1.4	1.4	1.4	1.5	1.6	0.9	0.6	0.7	
	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
24 hour	Total exceedances	14	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	3	11	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
	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
	ELV1 exceedances	1	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 Date 6/11/15
(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 / A5 / Form Dated May 06

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



Signed Date: 6/11/15
(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 September 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

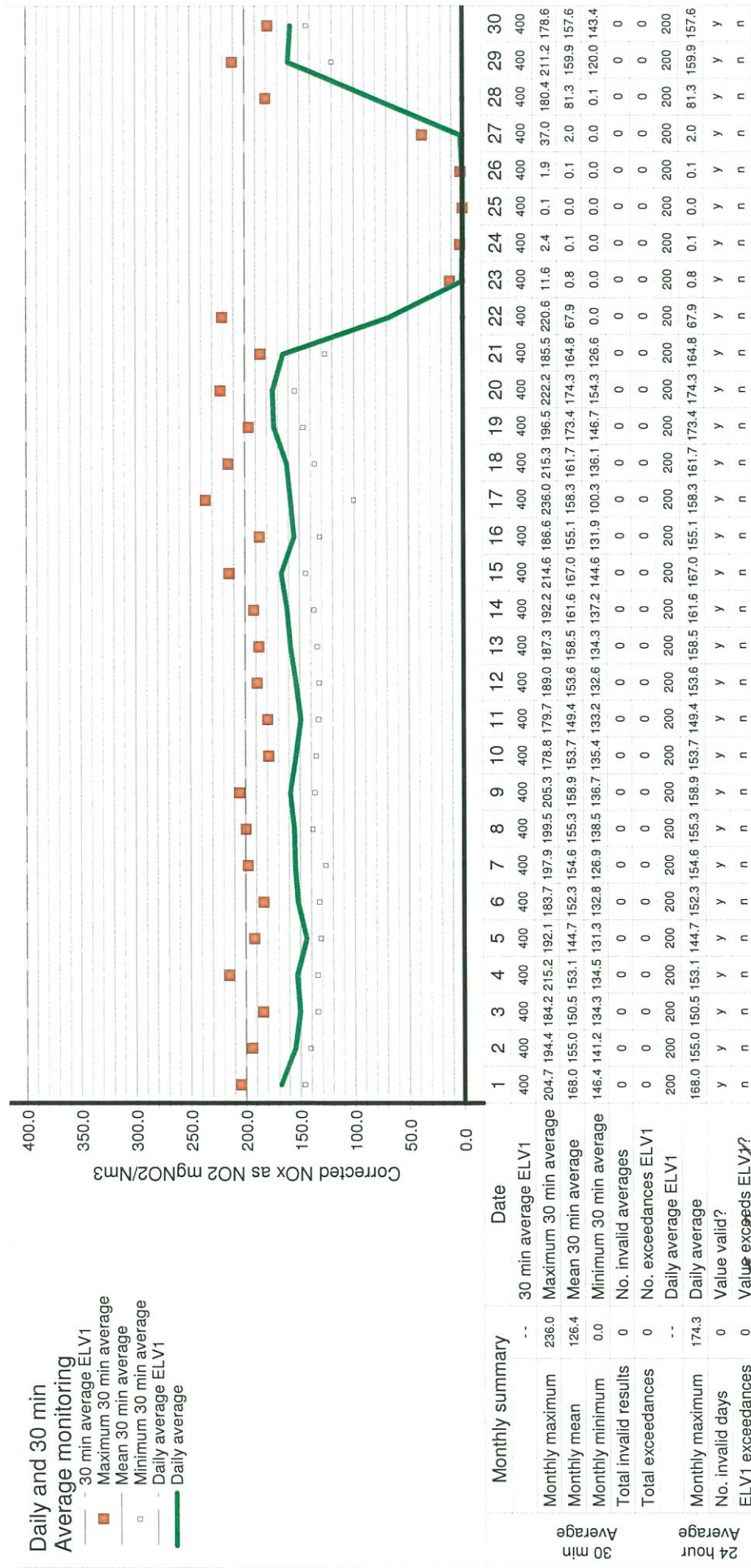


30 min Average	Monthly summary		Date		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
	30 min average ELV1	--	30 min average ELV1	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200
30 min Average	Monthly maximum	180.5	Maximum 30 min average	8.1	6.5	6.3	6.0	5.3	5.6	7.8	5.0	5.0	5.0	5.6	4.7	5.3	5.3	5.5	5.1	5.1	6.0	5.8	5.3	5.2	7.2	180.5	1.9	0.8	0.1	0.1	2.1	4.4	5.6	5.1
	Monthly mean	3.7	Mean 30 min average	4.8	5.1	4.7	4.9	4.7	4.9	4.7	4.4	4.3	4.3	4.3	4.3	4.3	4.3	4.2	4.2	4.5	4.2	4.5	4.2	4.4	4.7	5.9	0.3	0.1	0.0	0.0	0.1	0.8	3.9	4.6
	Monthly minimum	0.0	Minimum 30 min average	3.8	4.5	4.1	4.3	4.2	4.3	4.2	3.9	3.5	3.6	3.7	3.7	3.9	3.7	3.7	3.7	4.0	1.8	4.0	3.8	4.0	4.2	0.4	0.2	0.0	0.0	0.0	0.0	0.2	0.4	4.1
	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
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
		--	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
	Monthly maximum	5.9	Daily average	4.8	5.1	4.7	4.9	4.7	4.9	4.7	4.4	4.3	4.3	4.3	4.3	4.3	4.3	4.2	4.2	4.5	4.2	4.5	4.2	4.4	4.7	5.9	0.3	0.1	0.0	0.0	0.1	0.8	3.9	4.6
	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
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

Signed Date: 8/11/15
(Authorised to sign as representative of Operator)

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 2015



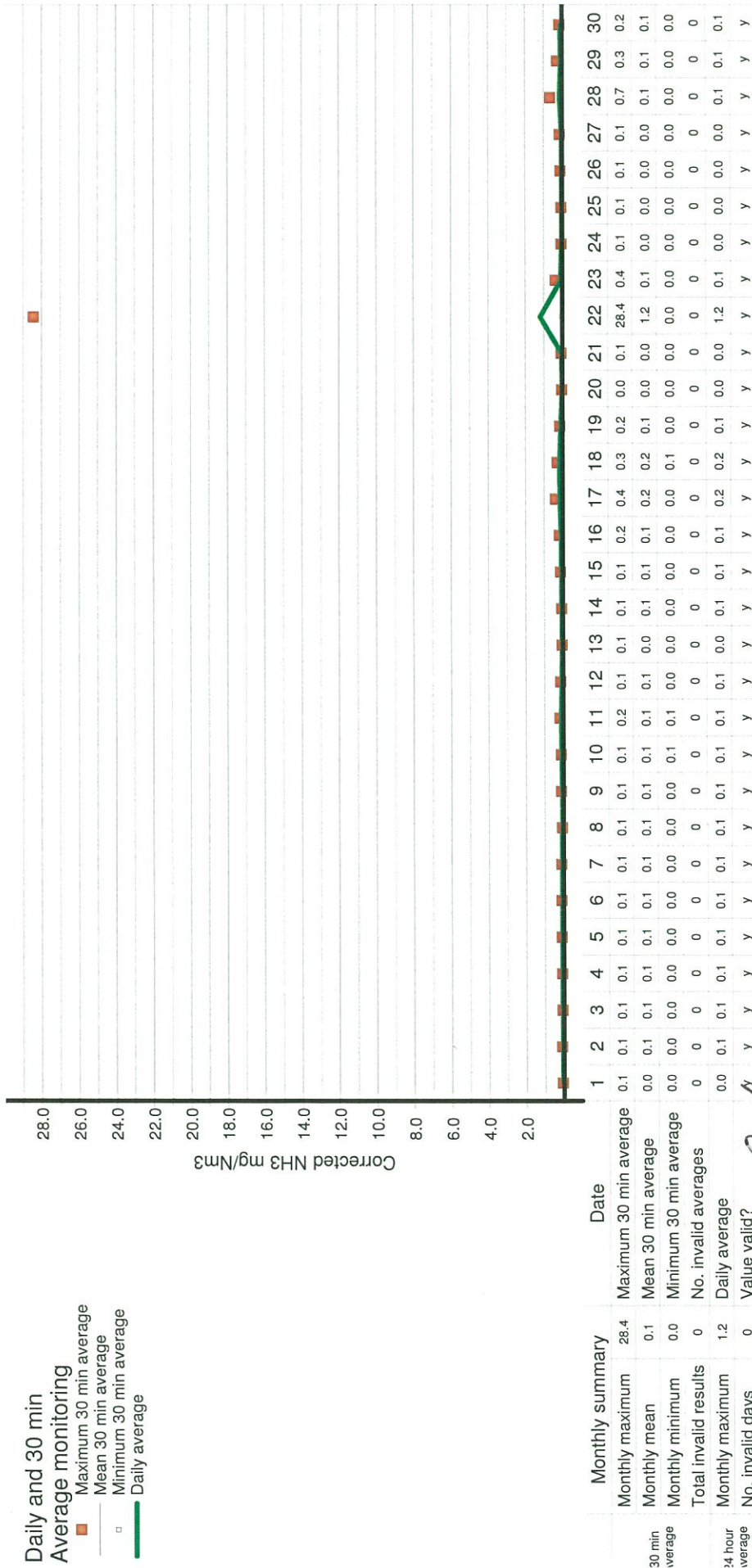
Signed.....
(Authorised to sign as representative of Operator)

6/11/15

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 September 2015



Signed
(Authorised to sign as representative of Operator)

Date: 6/11/15