

Month End Report

UPM-Kymmene (UK)

Permit Reference PP3936SQ
Installation Shotton Paper

To Alison Soper
Natural Resources Wales
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Buckley
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CH7 3AJ

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Please find enclosed graphs / reports for Continuously Monitored Emissions to Air A2 to A8 for the period ending 31st August 2015.

During the period there were no actual exceedances to report.

If you require any further information please let me know

Best Regards



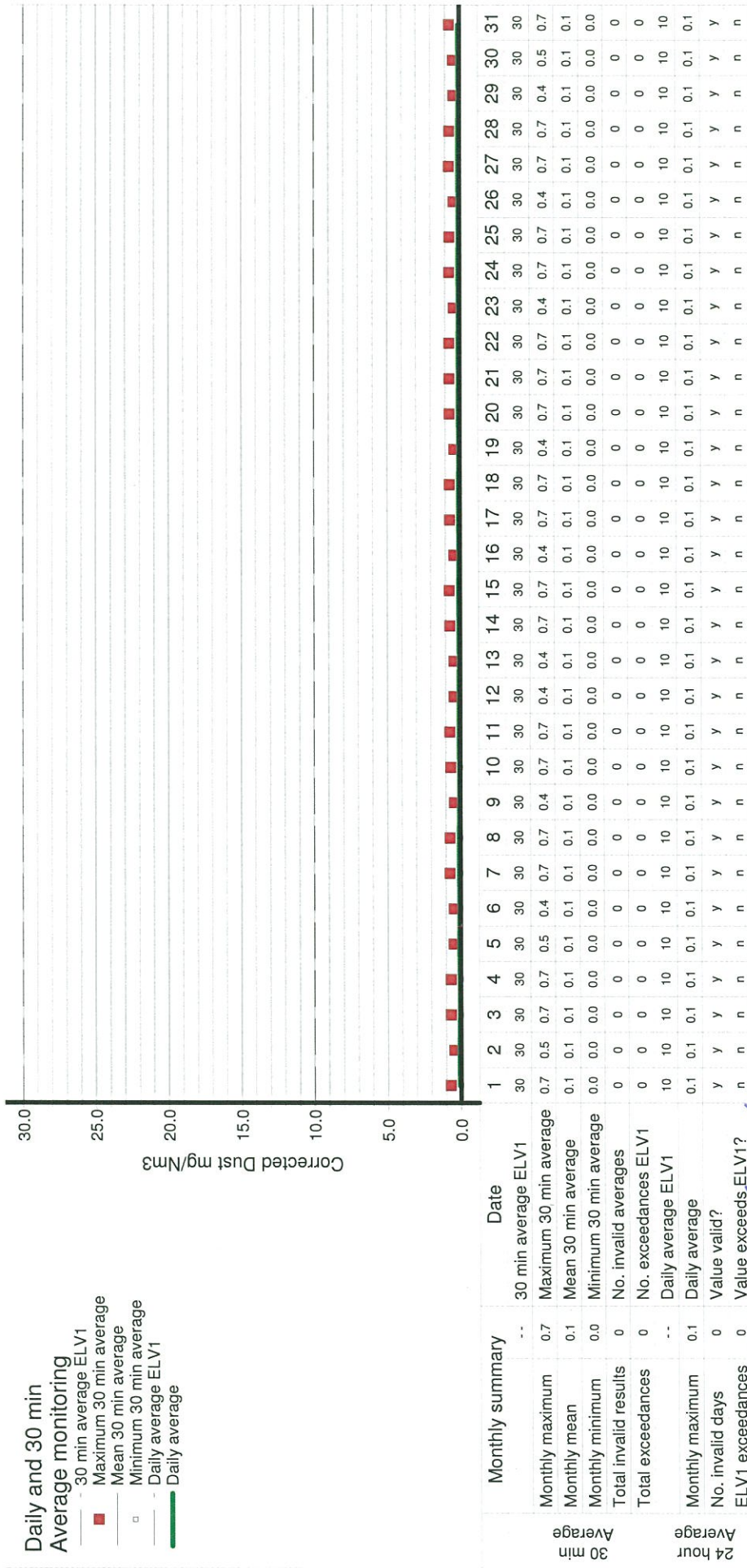
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Permit Reference Number: PP3936SQ
Installation: Shotton Paper Mill

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 August 2015



Signed Date: 8/9/15
(Authorised to sign as representative of Operator)

Permit Reference Number: PP3936SQ
Installation: Shotton Paper Mill

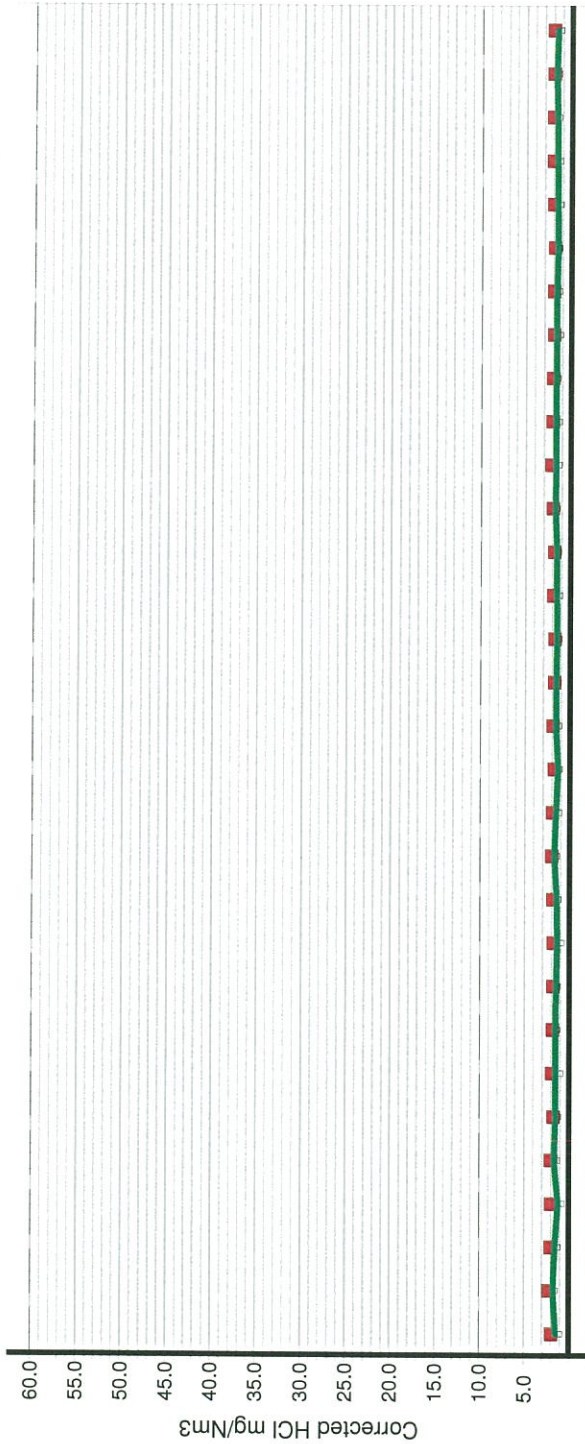
Operator: UPM-Kymmene (UK) Ltd
Form Number: Agency Form / PP3936SQ / A3 / Form Dated May 06

Reporting of Continuously Monitored Emissions to Air for Hydrogen Chloride Emission Point A20 for the month of August 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																																	
	Monthly maximum	2.2	30 min average ELV1	60	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	2.2	Maximum 30 min average	2.0	2.2	2.0	2.0	2.0	1.8	1.9	1.9	1.8	1.8	1.9	2.0	1.9	1.8	1.9	1.8	1.7	1.9	1.8	1.9	2.1	2.0	2.0	1.9	1.9	1.9	1.9	2.0	2.0	2.0	2.0	2.0	
	Monthly mean	1.6	Mean 30 min average	1.5	1.8	1.6	1.2	1.7	1.5	1.5	1.5	1.5	1.4	1.5	1.7	1.6	1.3	1.6	1.5	1.5	1.5	1.7	1.7	1.7	1.7	1.7	1.6	1.5	1.6	1.5	1.6	1.6	1.7	1.6		
	Monthly minimum	0.8	Minimum 30 min average	1.0	1.6	1.2	0.8	1.3	1.2	1.0	1.4	1.3	0.9	1.3	1.4	1.2	1.2	1.2	1.3	1.2	1.2	1.4	1.5	1.3	1.3	1.5	1.2	1.3	1.3	1.2	1.3	1.4	1.5	1.2		
	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	1.8	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		
	No. invalid days	0	Daily average	1.5	1.8	1.6	1.2	1.7	1.5	1.5	1.5	1.5	1.4	1.5	1.7	1.6	1.3	1.6	1.5	1.5	1.5	1.7	1.7	1.7	1.7	1.7	1.6	1.5	1.6	1.6	1.6	1.7	1.6			
	ELV1 exceedances	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		
			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		

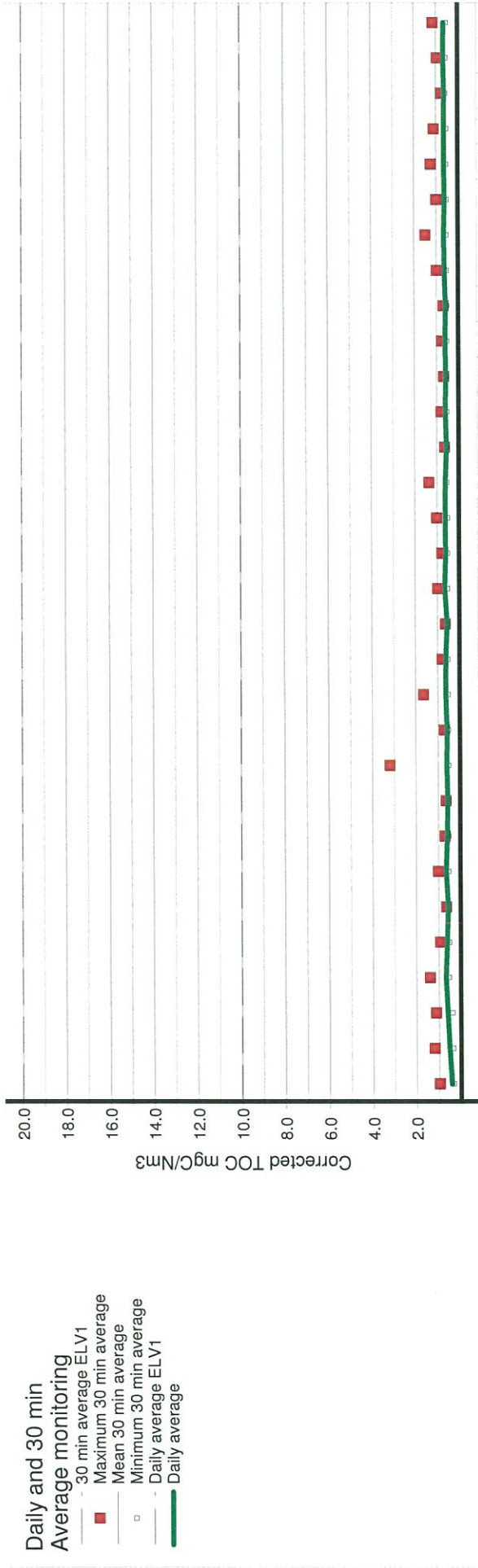
Signed
(Authorised to sign as representative of Operator)

Date: 8/9/15

Permit Reference Number: PP3936SQ
Installation: Shotton Paper Mill

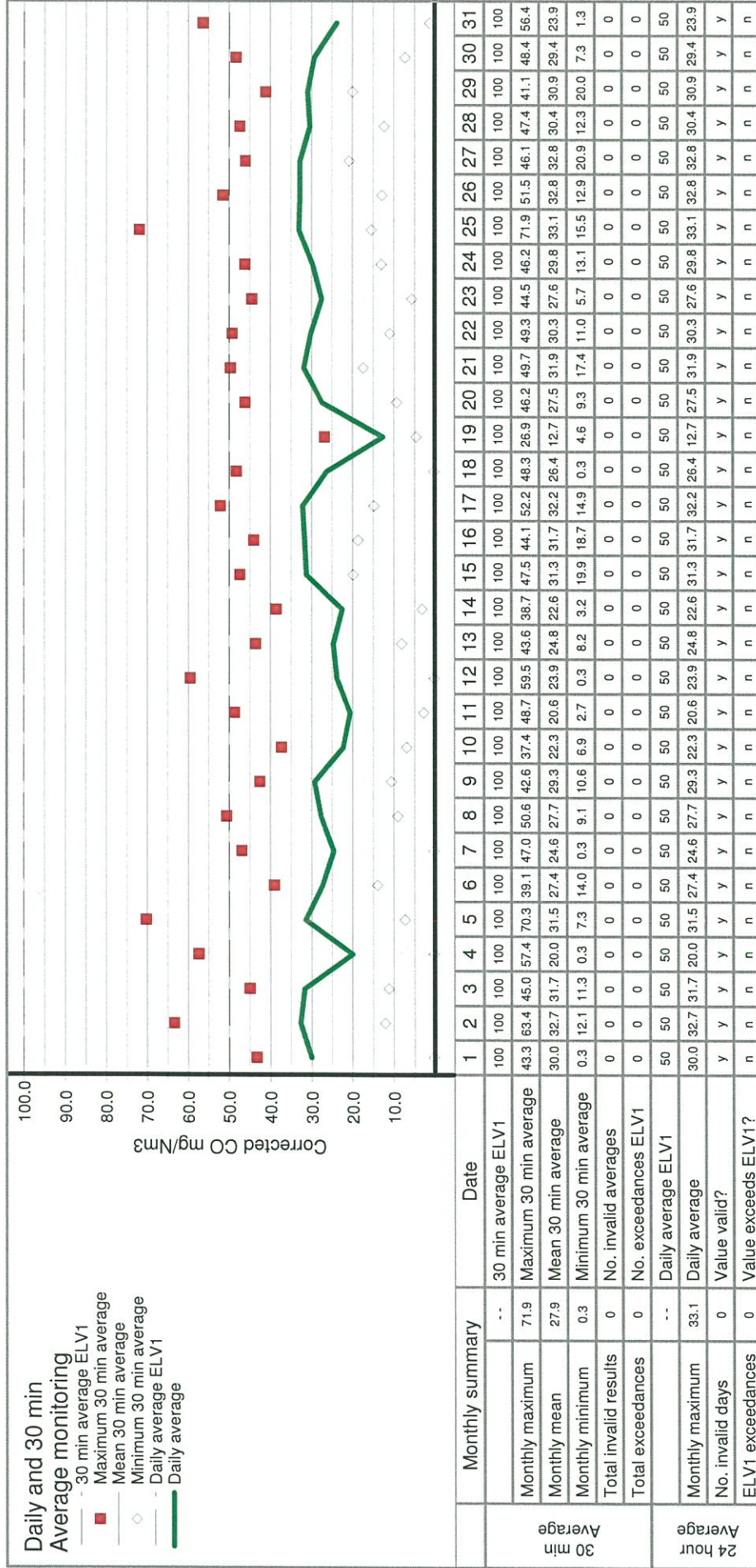
Operator: UPM-Kymmene (UK) Ltd
Form Number: Agency Form / PP3936SQ /A4 /Form Dated May 06

Reporting of Continuously Monitored Emissions to Air for TOC Emission Point A20 for the month of August 2015



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	Monthly maximum	3.2	Maximum 30 min average	1.0	1.2	1.1	1.4	0.9	0.6	1.0	0.7	0.6	3.2	0.7	1.7	0.8	0.6	1.0	0.8	1.0	1.4	0.6	0.8	0.7	0.8	0.7	1.0	1.5	1.0	1.2	1.1	0.8	0.9	1.1
	Monthly mean	0.6	Mean 30 min average	0.4	0.5	0.6	0.7	0.6	0.6	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.6	0.6	0.6	0.6	0.7	0.7	
	Monthly minimum	0.3	Minimum 30 min average	0.3	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.5	0.6	0.5	0.6	0.6	0.5
	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	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	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
	No. invalid days	0.7	Daily average	0.4	0.5	0.6	0.7	0.6	0.6	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.6	0.6	0.6	0.6	0.7	0.7	
	ELV1 exceedances	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
		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

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



Signed  Date: 28/9/15

(Authorised to sign as representative of Operator)

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

Daily and 30 min Average monitoring

Corrected SO₂ mg/Nm³

Legend:

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

Hour	30 min average ELV1	Maximum 30 min average	Mean 30 min average	Minimum 30 min average	Daily average ELV1
0	25.0	25.0	25.0	25.0	25.0
1	25.0	25.0	25.0	25.0	25.0
2	25.0	25.0	25.0	25.0	25.0
3	25.0	25.0	25.0	25.0	25.0
4	25.0	25.0	25.0	25.0	25.0
5	25.0	25.0	25.0	25.0	25.0
6	25.0	25.0	25.0	25.0	25.0
7	25.0	25.0	25.0	25.0	25.0
8	25.0	25.0	25.0	25.0	25.0
9	25.0	25.0	25.0	25.0	25.0
10	25.0	25.0	25.0	25.0	25.0
11	25.0	25.0	25.0	25.0	25.0
12	25.0	25.0	25.0	25.0	25.0
13	25.0	25.0	25.0	25.0	25.0
14	25.0	25.0	25.0	25.0	25.0
15	25.0	25.0	25.0	25.0	25.0
16	25.0	25.0	25.0	25.0	25.0
17	25.0	25.0	25.0	25.0	25.0
18	25.0	25.0	25.0	25.0	25.0
19	25.0	25.0	25.0	25.0	25.0
20	25.0	25.0	25.0	25.0	25.0
21	25.0	25.0	25.0	25.0	25.0
22	25.0	25.0	25.0	25.0	25.0
23	25.0	25.0	25.0	25.0	25.0
24	25.0	25.0	25.0	25.0	25.0

[illegible]

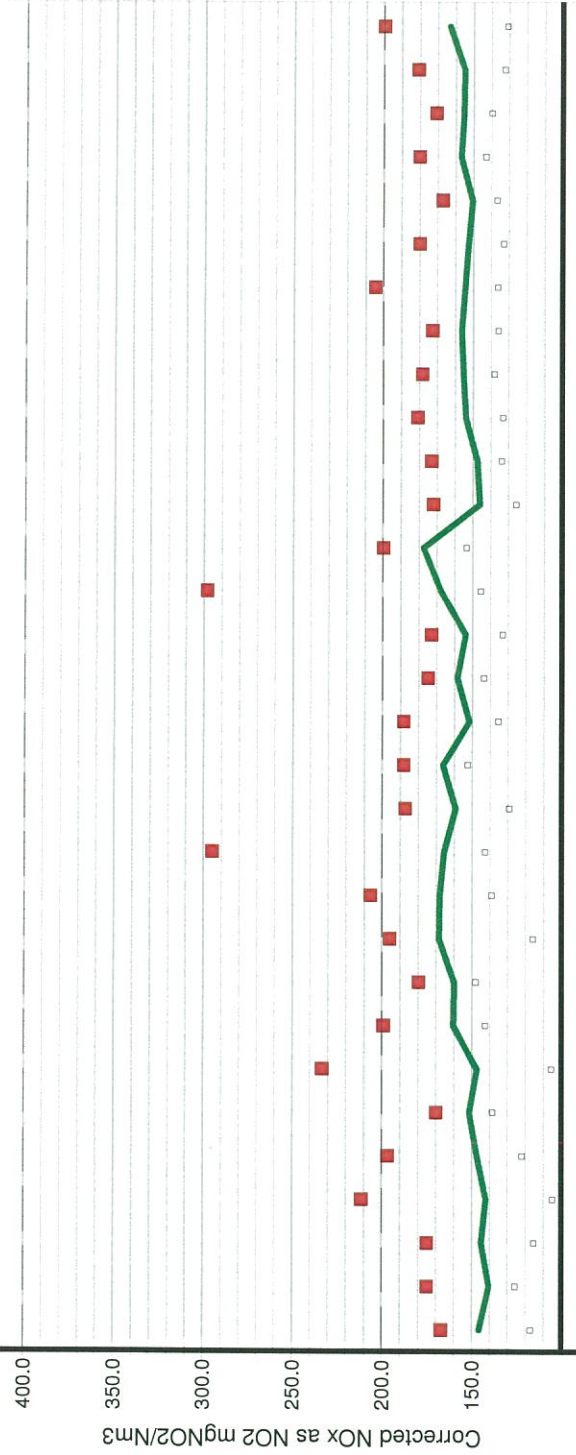
Date 8/9/15

Reporting of Continuously Monitored Emissions to Air for Oxides of Nitrogen Emission Point A20 for the month of August 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																																
	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	Date																																
	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	400	400	
	298.3	Maximum 30 min average																															
	167.2	175.0	211.4	196.9	189.9	233.3	193.2	179.6	195.9	206.4	295.3	187.4	188.1	188.2	174.7	172.8	298.3	199.8	172.0	173.1	180.8	178.2	172.6	204.5	179.8	167.0	179.9	170.7	180.8	199.7			
	155.6	Mean 30 min average																															
	145.0	140.6	144.8	142.3	147.1	151.4	147.1	160.3	160.1	168.3	168.0	165.6	159.4	166.3	151.6	158.4	153.7	167.7	177.3	146.1	147.6	154.1	155.4	156.4	154.6	152.7	150.5	156.9	155.5	155.1	163.3		
	105.0	Minimum 30 min average																															
	117.3	126.0	115.5	105.0	122.0	138.4	105.7	142.5	147.8	116.0	139.2	142.7	129.3	152.5	135.3	143.7	133.2	145.5	153.6	125.9	133.9	133.2	138.0	135.9	136.3	133.1	136.8	143.2	139.7	132.5	131.0		
	0	No. invalid averages																															
	0	No. exceedances ELV1																															
	--	Daily average ELV1																															
	177.3	Monthly maximum																															
	145.0	140.6	144.8	142.3	147.1	151.4	147.1	160.3	160.1	168.3	168.0	165.6	159.4	166.3	151.6	158.4	153.7	167.7	177.3	146.1	147.6	154.1	155.4	156.4	154.6	152.7	150.5	156.9	155.5	155.1	163.3		
	0	Value valid?																															
	0	Value exceeds ELV1?																															
24 hour																																	

Signed
(Authorised to sign as representative of Operator)

Date 2/9/15

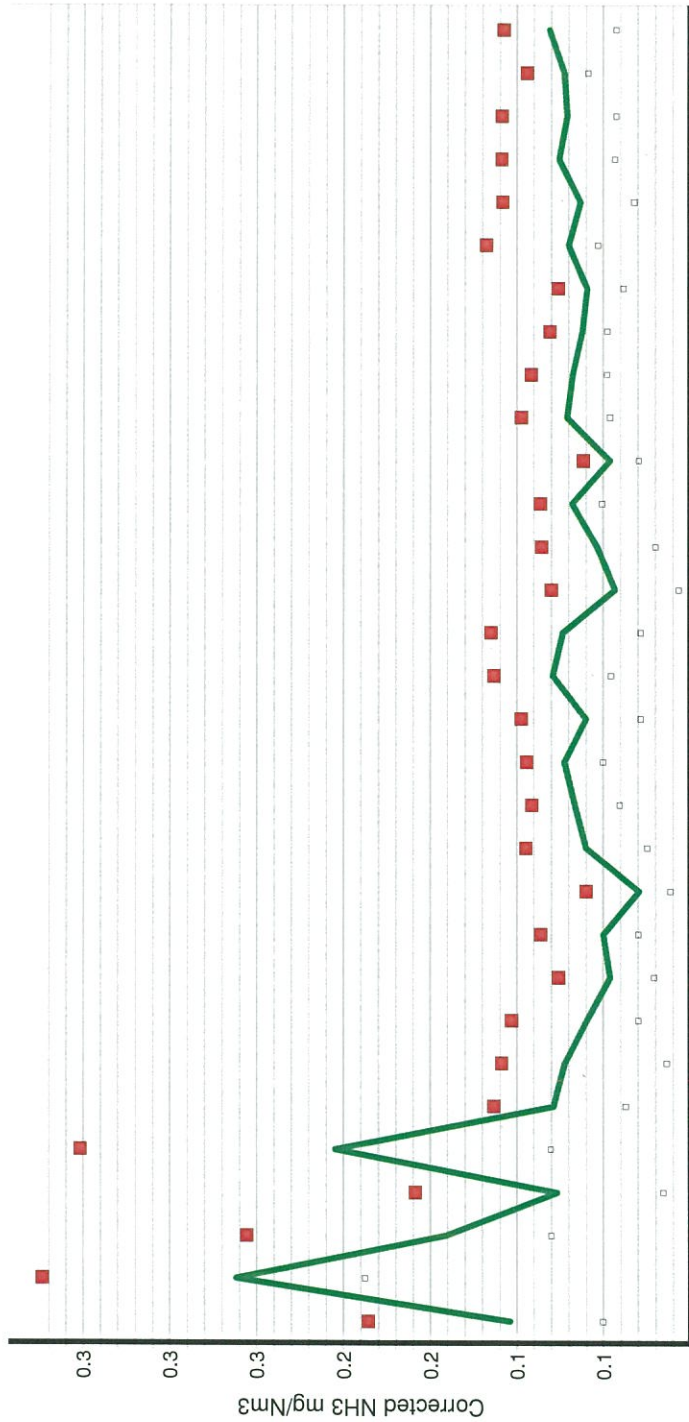
Permit Reference Number: PP3936SQ
Installation: Shotton Paper Mill

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 August 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	0.4	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	0.3	Daily average	
No. invalid days	0	Value valid?	

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
0.2	0.4	0.3	0.2	0.4	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	0.1	0.1	0.1	0.1	0.1	0.1	0.1
0.1	0.3	0.1	0.1	0.2	0.1	0.1	0.1	0.0	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0	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	0.2	0.1	0.0	0.1	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	0.1	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	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	0.3	0.1	0.1	0.2	0.1	0.1	0.1	0.0	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0	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
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

[Signature]

Signed
(Authorised to sign as representative of Operator)

8/9/15
Date.....