

UPM-Kymmene (UK)

Memo
External
18th October 2016
KOS

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Month End Report

UPM-Kymmene (UK)

Permit Reference PP3936SQ
Installation Shotton Paper

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

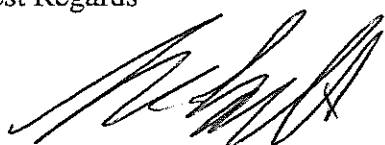
Fax - 01244 548805
Email north.wales.ppc@naturalresourceswales.gov.uk

Please find enclosed graphs / reports for Continuously Monitored Emissions to Air A2 to A8 for the period ending 30th September 2016.

You will note that during 26th September there is indicated invalid results, this occurred when there was a requirement for CEMs unit to be off line for one half period to carry out a software update of the SAMs configuration. This will be added to the allowed CEMs downtime for the year.

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

Best Regards



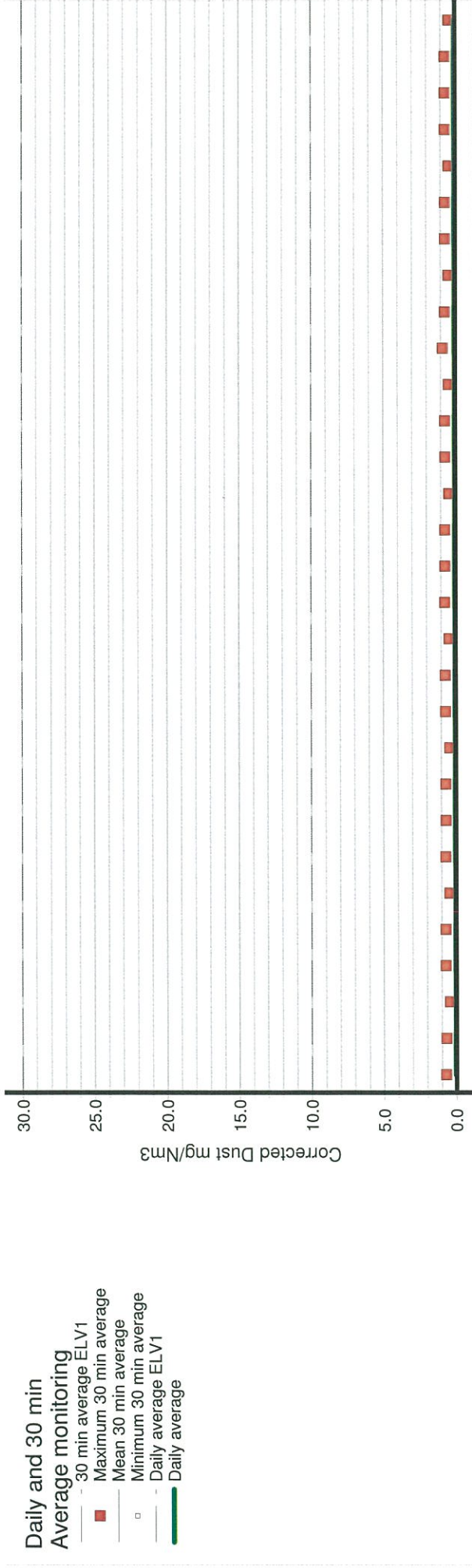
Kevin Smith
Utilities Manager
UPM (UK) Shotton

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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 September 2016



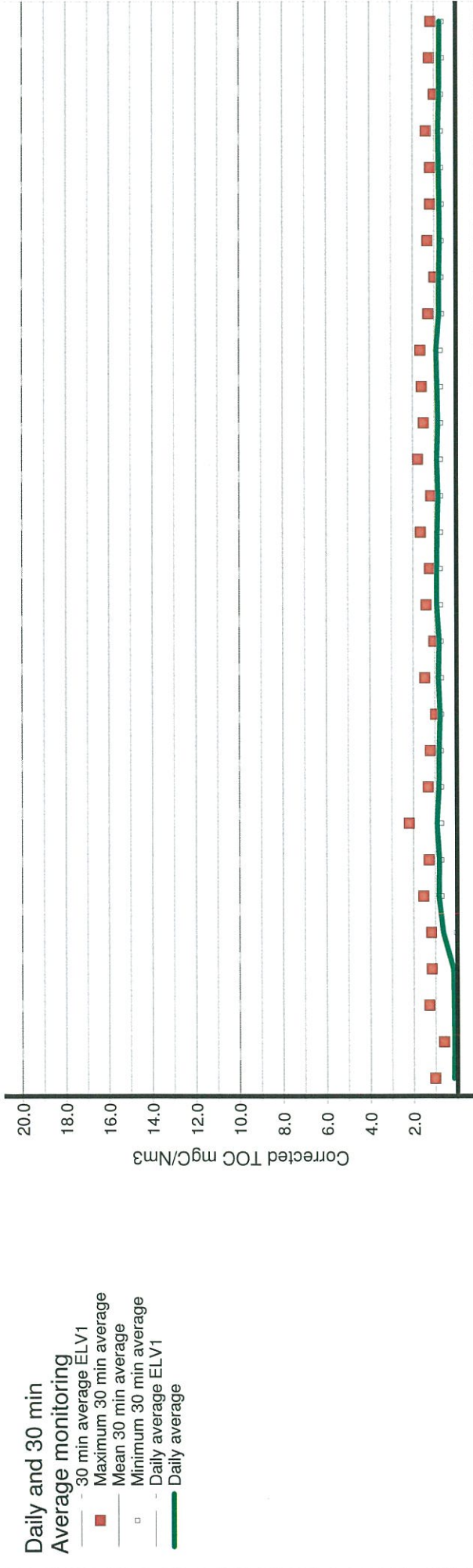
30 Min Average	24 hour Average	Monthly summary	Date																															
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		
0.9	0.0	30 min average ELV1	0.7	0.7	0.4	0.7	0.4	0.7	0.7	0.4	0.7	0.4	0.7	0.7	0.4	0.7	0.7	0.4	0.7	0.4	0.7	0.4	0.9	0.7	0.4	0.7	0.4	0.7	0.4	0.7	0.7	0.4	0.7	0.4
0.0	0.0	Maximum 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	0.0	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	0.0
0.0	0.0	Mean 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	0.0	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	0.0
0.0	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	0.0	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	0.0
1	0	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	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	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
0	0	Daily 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	0.0	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	0.0
0	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
0	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

[Handwritten Signature]

Date: 17/10/16

Signed:
 (Authorised to sign as representative of Operator)

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



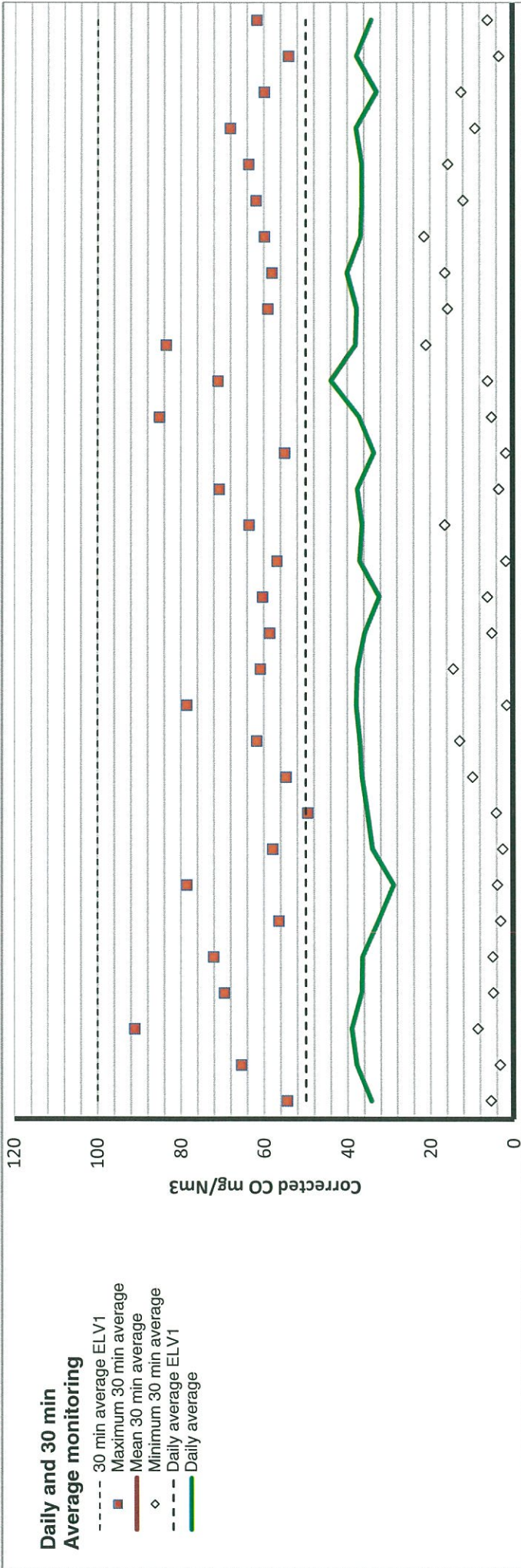
Monthly summary	Date	30 min average ELV1	Maximum 30 min average	Mean 30 min average	Minimum 30 min average	No. invalid averages	No. exceedances ELV1	Daily average ELV1	Daily average	Value valid?	Value exceeds ELV1?
30 min Average	--	2.2	0.7	0.0	1	0	--	0.9	0	0	0
24 hour Average	1	20	1.0	0.2	0.0	0	10	0.2	0.2	y	n
	2	20	1.3	0.2	0.0	0	10	1.0	1.0	y	n
	3	20	1.3	0.2	0.0	0	10	1.0	1.0	y	n
	4	20	1.2	0.2	0.0	0	10	1.0	1.0	y	n
	5	20	1.5	0.8	0.7	0	10	1.0	1.0	y	n
	6	20	1.5	0.8	0.7	0	10	1.0	1.0	y	n
	7	20	2.2	0.9	0.7	0	10	1.0	1.0	y	n
	8	20	2.2	0.9	0.7	0	10	1.0	1.0	y	n
	9	20	1.2	0.8	0.7	0	10	1.0	1.0	y	n
	10	20	1.2	0.8	0.7	0	10	1.0	1.0	y	n
	11	20	1.0	0.8	0.7	0	10	1.0	1.0	y	n
	12	20	1.5	0.8	0.7	0	10	1.0	1.0	y	n
	13	20	1.0	0.8	0.7	0	10	1.0	1.0	y	n
	14	20	1.4	0.9	0.7	0	10	1.0	1.0	y	n
	15	20	1.2	0.9	0.7	0	10	1.0	1.0	y	n
	16	20	1.6	0.9	0.7	0	10	1.0	1.0	y	n
	17	20	1.2	0.8	0.7	0	10	1.0	1.0	y	n
	18	20	1.5	0.9	0.7	0	10	1.0	1.0	y	n
	19	20	1.6	0.9	0.7	0	10	1.0	1.0	y	n
	20	20	1.6	0.9	0.7	0	10	1.0	1.0	y	n
	21	20	1.3	0.8	0.7	0	10	1.0	1.0	y	n
	22	20	1.3	0.8	0.7	0	10	1.0	1.0	y	n
	23	20	1.0	0.8	0.7	0	10	1.0	1.0	y	n
	24	20	1.3	0.7	0.7	0	10	1.0	1.0	y	n
	25	20	1.2	0.8	0.7	0	10	1.0	1.0	y	n
	26	20	1.2	0.8	0.7	0	10	1.0	1.0	y	n
	27	20	1.4	0.8	0.7	0	10	1.0	1.0	y	n
	28	20	1.0	0.8	0.7	0	10	1.0	1.0	y	n
	29	20	1.2	0.7	0.6	0	10	1.0	1.0	y	n
	30	20	1.2	0.6	0.6	0	10	1.0	1.0	y	n

[Handwritten Signature]

Date: 17/10/16

Signed:
 (Authorised to sign as representative of Operator)

Reporting of Continuously Monitored Emissions to Air for Carbon Monoxide Emission Point A20 for the month of September 2016



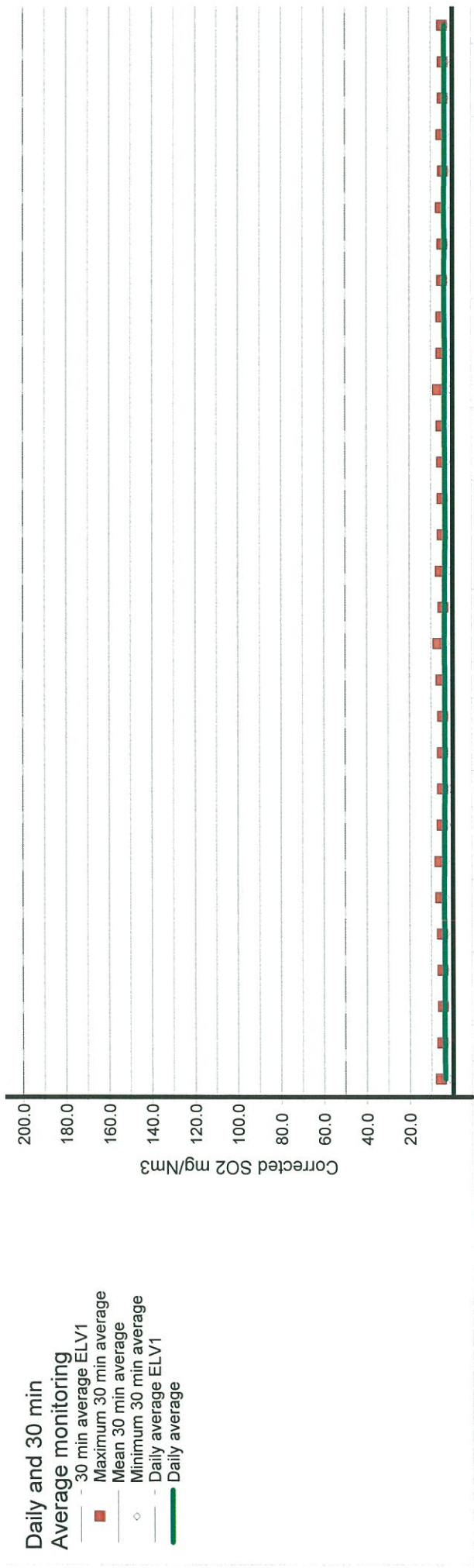
30 min Average	24 hr Average	Monthly Summary	Date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
		30 min average ELV1		100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
54.5	65.4	Monthly maximum	91.1	69.5	72.1	56.4	78.6	57.9	49.5	54.7	61.7	78.6	60.8	58.6	60.3	56.8	63.5	70.7	55.0	85.2	71.0	83.5	59.0	58.0	59.8	61.8	63.6	68.0	59.8	54.0	54.0	54.0	54.0
34.3	37.8	Monthly mean	36.7	39.0	36.6	36.4	32.6	28.9	34.0	35.2	36.5	37.0	37.9	37.6	35.8	32.3	37.0	36.4	37.6	33.6	37.1	43.9	38.0	37.7	40.0	36.7	36.4	36.4	37.8	32.9	37.7	37.7	37.7
5.5	3.3	Monthly minimum	1.6	8.6	4.9	5.0	3.1	3.9	2.6	4.1	9.8	12.9	1.6	14.4	5.1	6.2	1.8	16.5	3.5	1.8	5.2	6.1	21.0	15.8	16.4	21.5	12.0	15.7	9.1	12.5	3.4	3.4	
0	0	Total invalid results	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	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
50	50	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
34.3	37.8	Monthly maximum	43.9	39.0	36.6	36.4	32.6	28.9	34.0	35.2	36.5	37.0	37.9	37.6	35.8	32.3	37.0	36.4	37.6	33.6	37.1	43.9	38.0	37.7	40.0	36.7	36.4	36.4	37.8	32.9	37.7	37.7	37.7
y	y	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
n	n	ELV1 exceedances	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: 17/10/16

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 September 2016

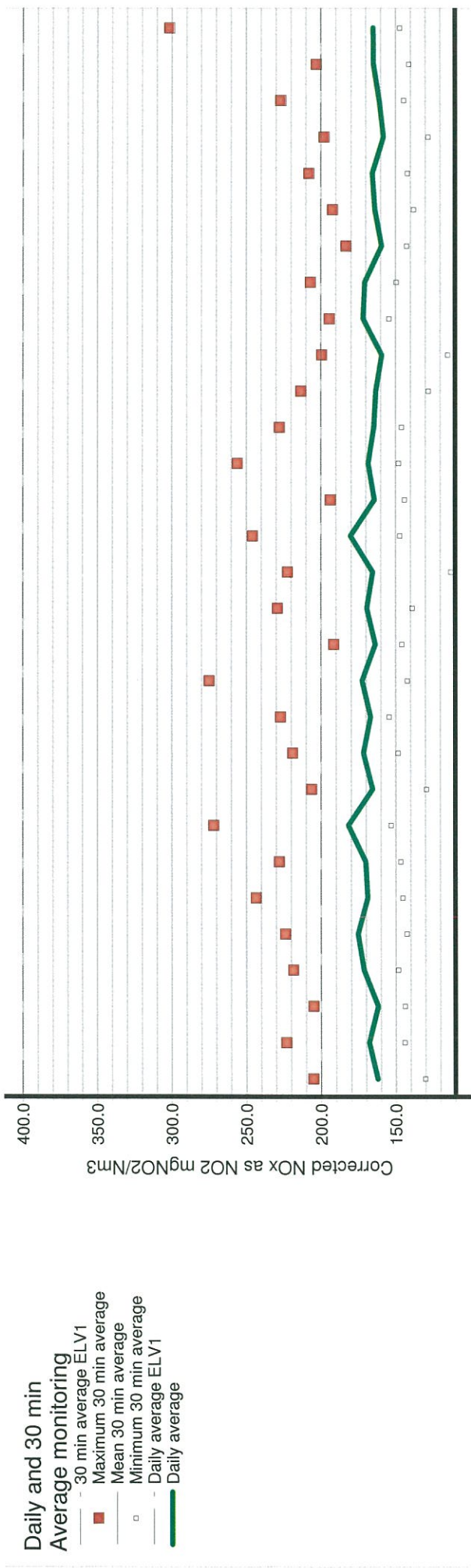


	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
30 min average ELV1	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200
30 min average	5.6	4.9	4.5	4.8	5.0	5.7	5.9	5.0	4.7	4.7	4.6	5.3	6.6	4.4	5.6	4.6	4.7	4.8	5.1	6.7	5.1	5.1	4.8	4.7	5.2	4.3	4.9	4.3	4.4	4.6
Maximum 30 min average	3.7	3.9	3.9	3.8	4.0	4.1	3.9	3.9	3.8	3.7	3.8	3.8	3.9	3.8	3.8	3.5	3.6	3.6	3.8	3.7	3.6	3.8	3.9	3.7	3.9	3.7	3.6	3.6	3.7	3.8
Mean 30 min average	1.7	3.4	3.4	3.3	3.2	3.5	3.4	2.7	1.3	3.2	3.2	2.8	3.1	2.8	1.4	2.3	3.0	2.8	3.2	1.1	1.1	3.4	3.1	3.3	3.3	3.0	3.1	3.2	2.9	3.1
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	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
Total 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	3.7	3.9	3.9	3.8	4.0	4.1	3.9	3.9	3.8	3.7	3.8	3.8	3.9	3.8	3.8	3.5	3.6	3.6	3.8	3.7	3.6	3.8	3.9	3.7	3.9	3.7	3.6	3.6	3.7	3.8
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: 17/10/16

Signed (Authorised to sign as representative of Operator)

Reporting of Continuously Monitored Emissions to Air for Oxides of Nitrogen Emission Point A20 for the month of September 2016



	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
Monthly summary																														
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 maximum	205.2	223.2	205.0	218.4	223.9	243.4	227.9	271.8	206.3	219.0	227.1	274.9	191.5	229.1	222.4	245.7	193.7	255.9	227.8	213.4	199.5	194.3	207.0	183.3	192.2	208.1	197.9	226.8	203.1	301.5
Monthly mean	162.2	168.0	161.9	171.4	175.5	168.9	170.2	181.9	165.6	171.8	166.9	172.6	163.7	169.3	165.5	180.4	164.3	168.5	164.6	163.2	159.4	171.8	170.6	159.2	163.7	165.5	157.9	160.8	164.6	164.8
Monthly minimum	130.2	144.0	143.8	148.4	142.5	145.3	146.7	153.2	129.4	148.3	154.3	142.1	145.8	138.8	112.8	147.2	144.1	148.1	145.9	127.9	114.8	154.2	149.5	142.5	137.7	142.1	128.0	144.5	141.1	147.2
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
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
24 hour Average	162.2	168.0	161.9	171.4	175.5	168.9	170.2	181.9	165.6	171.8	166.9	172.6	163.7	169.3	165.5	180.4	164.3	168.5	164.6	163.2	159.4	171.8	170.6	159.2	163.7	165.5	157.9	160.8	164.6	164.8
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
ELV1 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

Signed  (Authorised to sign as representative of Operator)

Date: 17/10/16

