

UPM-Kymmene (UK)

Memo
External
12th June 2013
KOS

1 (1)

Month End Report



UPM-Kymmene (UK)

Permit Reference PP3936SQ
Installation Shotton Paper

To Alison Soper
Environment Agency
Chester Road
Buckley
Flintshire
CH7 3AJ

Fax - 01244 548805
Email notif.ppcnwales@environment-agency.gov.uk

Please find enclosed graphs / reports for Continuously Monitored Emissions to Air A2 to A8 for the period ending 31st May 2013.

The Boiler started up after its planned shutdown on Thursday May 2nd hence no data reported for Wednesday 1st May.

Since start-up there are no non conformances to report

If you require any further explanation of the above please let me know.

Best Regards

A handwritten signature in black ink, appearing to be "Kevin Smith".

Kevin Smith
Utilities Manager
UPM-Kymmene (UK) Limited
Shotton Paper

Office 01244284393
Fax 01244285393
Mobile 07736497124

MONITORING RETURNS N. WALES

	INITIALS	DATE
CHECKED Vs AUTHORISATION	AS	17-6-13
TRACING	JB	13.6.13
OK FOR PUBLIC REGISTER		
LOADED TO PUBLIC REGISTER	JB	EDRM

Permit Reference Number: PP3936SQ
Installation: Shotton Paper Mill

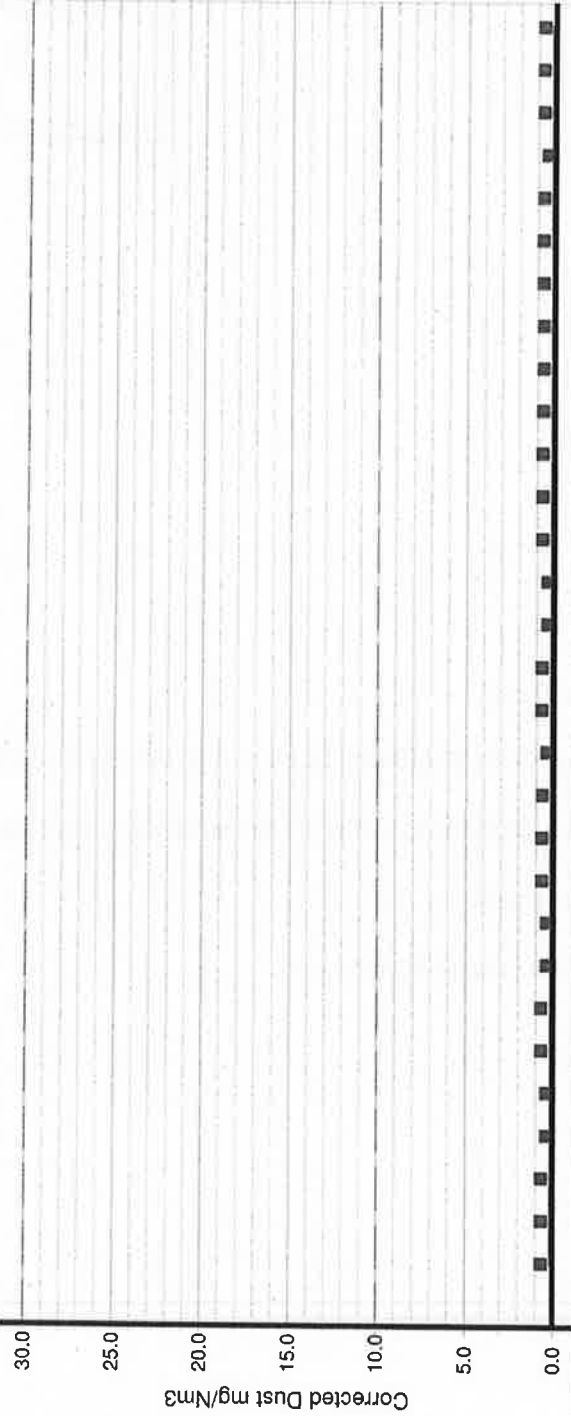
Operator: UPM-Kymmene (UK) Ltd
Form Number: Agency Form / PP3936SQ /A2 /Form Dated May 06

Reporting of Continuously Monitored Emissions to Air for Particulates Emission Point A20 for the month of May 2013

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	31
	Monthly maximum	0.7	30 min average ELV1	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
24 hour Average	Monthly mean	0.0	Maximum 30 min average	Maximum 30 min average	--	0.6	0.6	0.7	0.4	0.4	0.7	0.7	0.4	0.4	0.7	0.7	0.6	0.4	0.7	0.7	0.4	0.4	0.7	0.7	0.7	0.6	0.6	0.6	0.7	0.7	0.4	0.4	0.7	0.7	0.7
	Monthly minimum	0.0	Mean 30 min average	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
24 hour Average	Total invalid results	0	Minimum 30 min average	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
	Total exceedances	0	No. invalid averages	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 Average	Monthly maximum	0.0	No. exceedances ELV1	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
	No. invalid days	1	Daily average	Daily average	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
24 hour Average	Value valid?	1	Value valid?	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 exceeds ELV1?	0	Value exceeds ELV1?	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: 11/6/13

(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 2013

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	31	
	Monthly maximum	1.8	30 min average ELV1	--	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	
30 min Average	Monthly mean	1.3	Maximum 30 min average	--	--	1.4	1.6	1.6	1.6	1.5	1.5	1.8	1.5	1.6	1.5	1.5	1.4	1.6	1.7	1.5	1.5	1.7	1.6	1.5	1.6	1.4	1.4	1.7	1.6	1.7	1.5	1.7	1.5	1.7	1.6	
	Monthly minimum	0.6	Mean 30 min average	--	--	1.0	1.3	1.2	1.3	1.3	1.2	1.4	1.2	1.3	1.3	1.3	1.2	1.1	1.4	1.2	1.2	1.4	1.3	1.4	1.3	1.2	1.2	1.3	1.4	1.3	1.3	1.4	1.3	1.4		
	Total invalid results	0	Minimum 30 min average	--	--	0.7	1.1	0.9	1.1	1.2	1.1	1.2	1.1	1.2	1.1	1.2	0.9	0.9	0.8	1.1	1.1	1.2	1.2	1.2	1.1	0.6	1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.0	1.2	
24 hour Average	Total exceedances	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	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	--	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	
24 hour Average	Monthly maximum	1.4	Daily average	--	--	1.0	1.3	1.2	1.3	1.3	1.2	1.4	1.2	1.3	1.3	1.3	1.2	1.1	1.4	1.2	1.2	1.4	1.3	1.4	1.3	1.2	1.2	1.3	1.4	1.3	1.3	1.4	1.3	1.4	1.3	1.4
	No. invalid days	1	Daily average	--	--	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 valid?	--	--	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?	--	--	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)

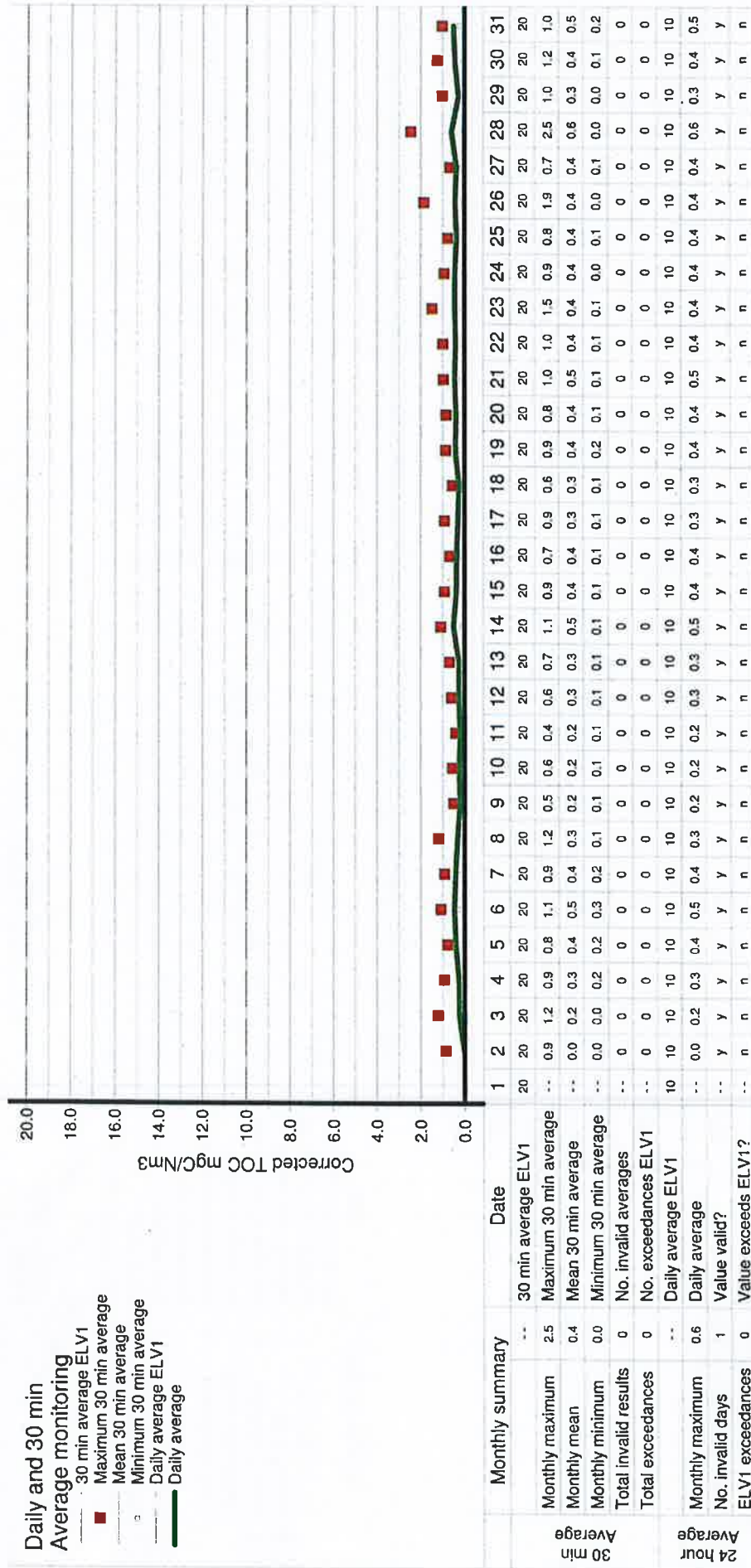
Date 11/6/13

Permit Reference Number: PP3936SQ
Installation: Shotton Paper Mill

Form Number: Agency Form / PP3936SQ /A4 /Form Dated May 06

Operator: UPM-Kymmene (UK) Ltd

Reporting of Continuously Monitored Emissions to Air for TOC Emission Point A20 for the month of May 2013



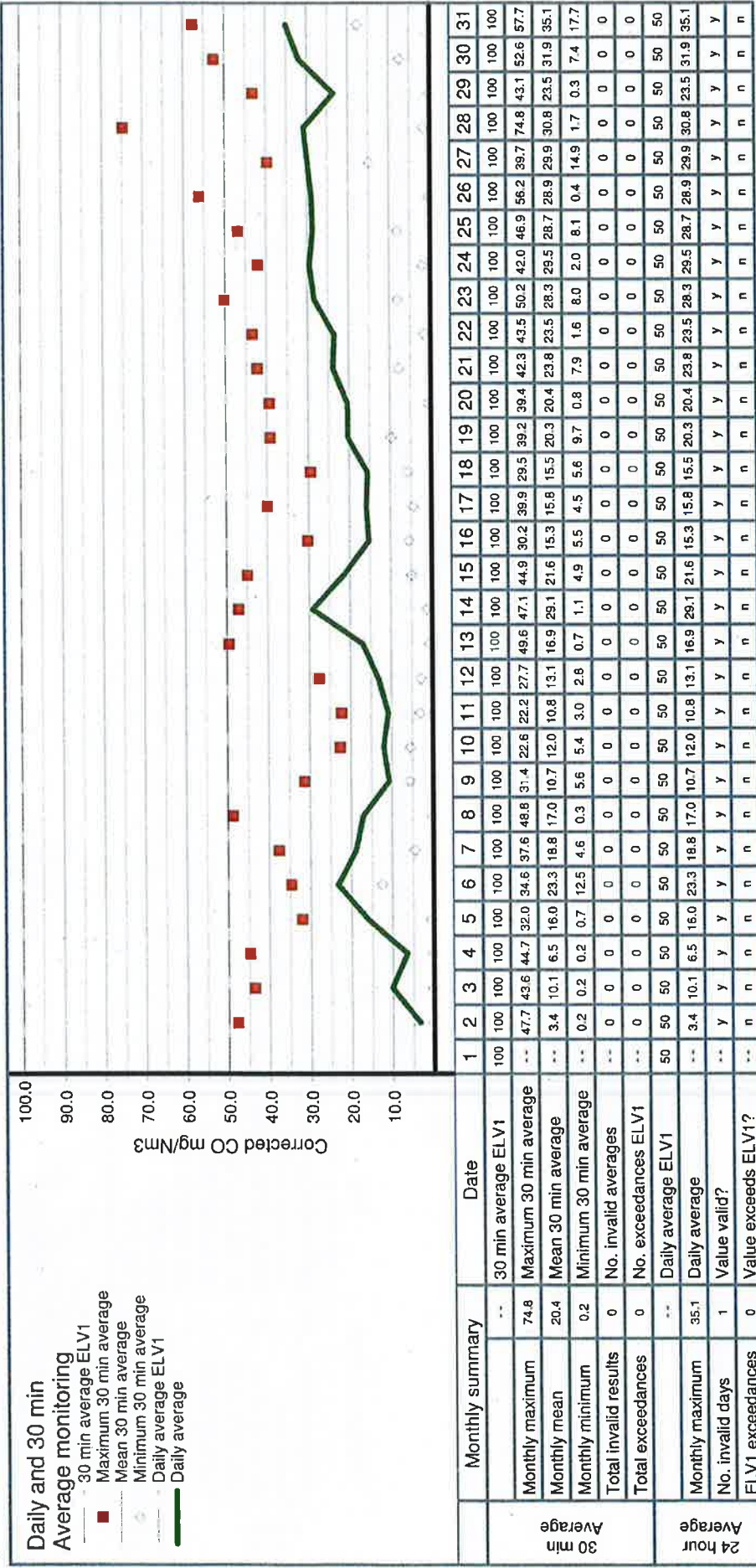
Signed 
(Authorised to sign as representative of Operator)

Date: 11/6/13

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 2013

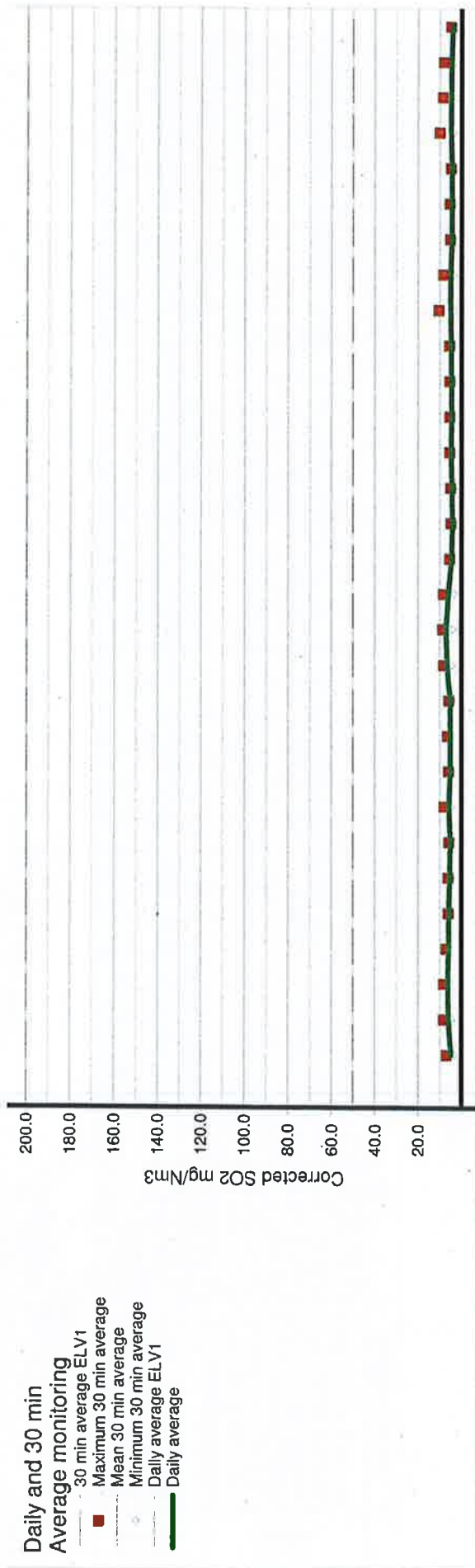


Signed  Date 11/6/13
(Authorised to sign as representative of Operator)

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 May 2013



Monthly summary		Date																															
30 min Average	Monthly maximum	--	10.4	7.0	8.2	8.2	7.1	6.1	6.1	5.7	7.9	5.9	6.4	5.7	8.1	8.7	8.2	5.4	4.8	4.9	5.3	5.4	5.3	5.5	10.4	8.3	5.2	5.4	4.8	10.1	8.6	8.1	4.9
	Monthly mean	--	5.1	4.8	6.0	6.2	5.9	5.7	5.4	5.1	5.7	5.1	5.1	5.1	6.6	7.1	6.0	4.5	4.2	4.4	4.7	4.6	4.6	4.7	5.0	4.9	4.4	4.5	4.3	4.8	4.6	4.6	4.1
	Monthly minimum	2.4	3.6	4.9	5.2	5.3	5.0	5.0	5.0	3.5	4.7	4.6	4.6	4.3	4.4	4.1	3.3	3.1	3.6	3.8	3.0	3.7	3.6	3.9	3.6	3.7	3.7	3.0	2.9	3.8	2.4	2.8	3.3
	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
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
	Monthly maximum	--	7.1	4.8	6.0	6.2	5.9	5.7	5.4	5.1	5.7	5.1	5.1	5.1	6.6	7.1	6.0	4.5	4.2	4.4	4.7	4.6	4.6	4.7	5.0	4.9	4.4	4.5	4.3	4.8	4.6	4.6	4.1
	No. invalid days	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	Value exceeds 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

Signed
(Authorised to sign as representative of Operator)

Date 11/6/13

Permit Reference Number: PP3936SQ
Installation: Shotton Paper Mill

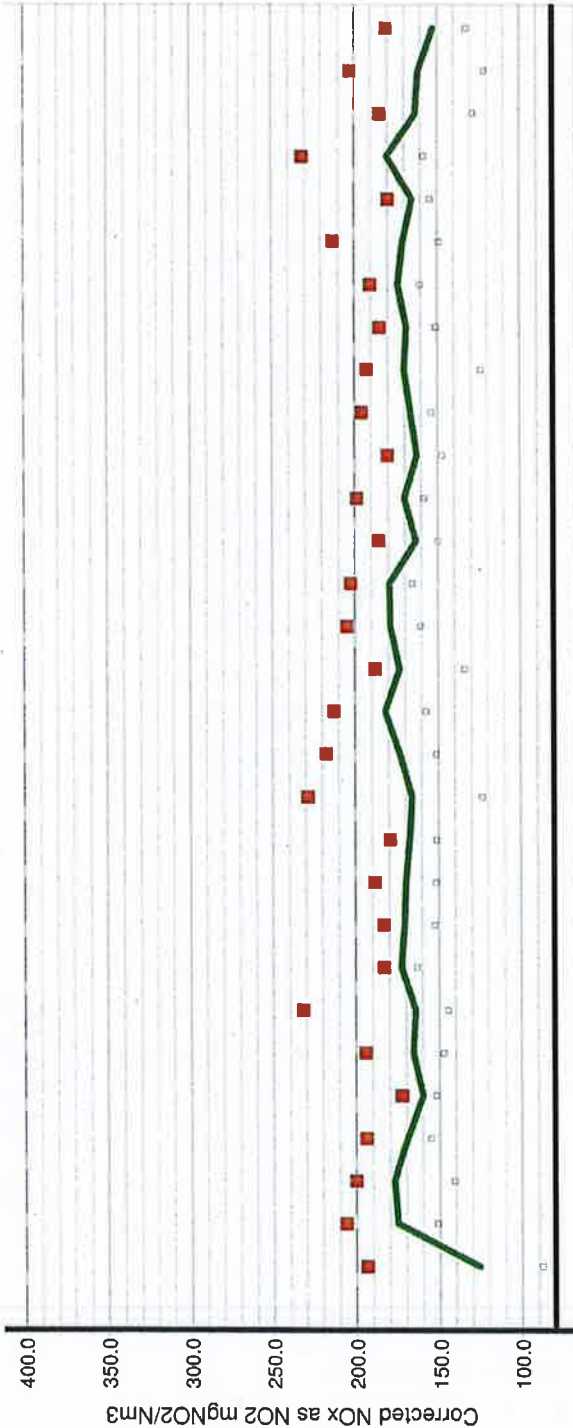
Operator: UPM-Kymmene (UK) Ltd
Form Number: Agency Form / PP3936SQ / A7 / Form Dated May 06

Reporting of Continuously Monitored Emissions to Air for Oxides of Nitrogen Emission Point A20 for the month of May 2013

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	31
	Monthly maximum	231.7	Maximum 30 min average	--	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
Average	Monthly mean	167.9	Mean 30 min average	--	193.3	206.1	200.0	194.0	172.4	194.0	231.7	183.1	183.2	188.4	179.3	228.6	217.5	212.8	188.2	204.9	202.6	185.7	198.8	180.1	195.7	192.9	184.8	190.4	213.3	179.6	231.4	184.8	202.7	181.0	
	Monthly minimum	87.4	Minimum 30 min average	--	125.5	175.0	177.1	169.2	159.8	165.6	164.3	172.6	170.6	169.9	167.5	166.0	172.9	181.8	173.1	178.6	179.1	163.3	170.3	162.6	166.3	170.2	168.7	173.8	170.8	165.4	180.2	163.0	161.6	152.3	
	Total invalid results	0	No. invalid averages	--	87.4	151.4	140.9	154.9	151.8	147.4	144.3	163.3	152.3	151.5	151.2	123.2	151.4	157.4	133.8	160.6	165.5	149.9	158.2	147.2	153.9	123.7	151.2	160.6	149.2	154.3	158.3	128.3	121.4	132.4	
	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	
24 hour Average	Monthly maximum	181.8	Daily 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	
	No. invalid days	1	Daily average	--	125.5	175.0	177.1	169.2	159.8	165.6	164.3	172.6	170.6	169.9	167.5	166.0	172.9	181.8	173.1	178.6	179.1	163.3	170.3	162.6	166.3	170.2	168.7	173.8	170.8	165.4	180.2	163.0	161.6	152.3	
	No. invalid days	1	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 exceeds	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	

Signed  (Authorised to sign as representative of Operator)

Date: 11/6/13

Unit Reference Number: PP3936SQ
Location: Shotton Paper Mill

Form Number: Agency Form / PP3936SQ / A8 / Form Dated May 06

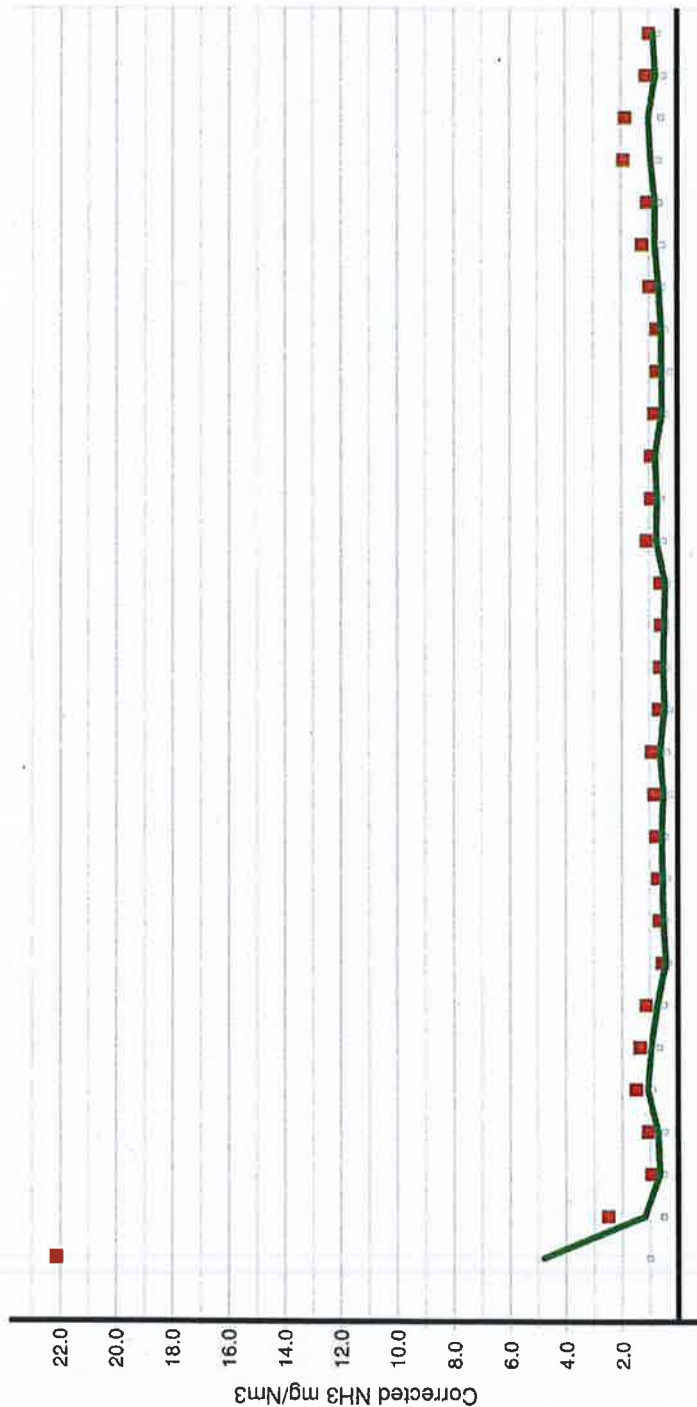
Operator: UPM-Kymmene (UK) Ltd

Reporting of Continuously Monitored Emissions to Air for Ammonia Emission Point A20 for the month of May 2013

Daily and 30 min

average monitoring

- Maximum 30 min average
- Mean 30 min average
- Minimum 30 min average
- Daily 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	22.1	Maximum 30 min average	--	22.1	2.5	1.0	1.1	1.5	1.3	1.1	0.6	0.7	0.7	0.8	0.8	0.9	0.7	0.6	0.6	1.1	0.9	0.9	0.8	0.7	0.7	1.0	1.3	1.0	1.3	1.1	1.9	1.9	1.1	1.0
Monthly mean	0.8	Mean 30 min average	--	4.8	1.2	0.6	0.7	1.1	0.9	0.7	0.4	0.5	0.5	0.6	0.5	0.6	0.5	0.5	0.5	0.4	0.8	0.7	0.8	0.6	0.6	0.6	0.6	0.8	0.8	0.9	1.0	0.8	0.9	0.9
Monthly minimum	0.2	Minimum 30 min average	--	1.0	0.5	0.5	0.5	0.9	0.7	0.5	0.3	0.4	0.4	0.5	0.2	0.4	0.3	0.4	0.4	0.3	0.5	0.6	0.7	0.4	0.2	0.4	0.5	0.5	0.6	0.6	0.6	0.5	0.7	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	0	0
Monthly maximum	4.8	Daily average	--	4.8	1.2	0.6	0.7	1.1	0.9	0.7	0.4	0.5	0.5	0.6	0.5	0.6	0.5	0.5	0.5	0.4	0.8	0.7	0.8	0.6	0.6	0.6	0.6	0.8	0.8	0.9	1.0	0.8	0.9	0.9
No. invalid days	1	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

[Signature]

Signed (Authorised to sign as representative of Operator)

Date: 11/6/13