

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 June 2016.

On the 25th June there is indicated a Carbon Monoxide (CO) of 111.5 mg/m3 which exceeds our permitted limit. This occurred during the half hour period 02.00 and 02.30 during a fuel blockage on one of the Day Silo screws. This resulted in the solid fuel being off and the boiler running on gas, so was therefore not reported.

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

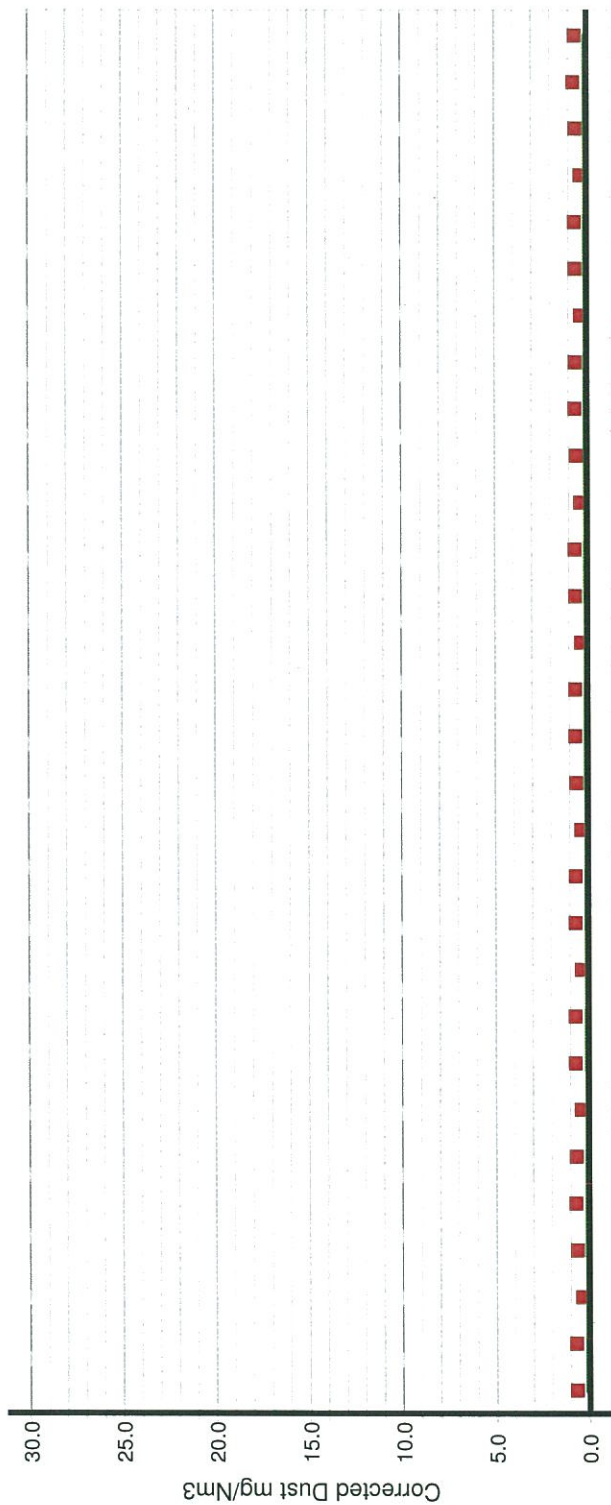
Operator: UPM-Kymmene (UK) Ltd
Form Number: Agency Form / PP3936SQ / A2 / Form Dated May 06

Reporting of Continuously Monitored Emissions to Air for Particulates Emission Point A20 for the month of June 2016

Daily and 30 min

Average monitoring

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



Monthly summary		Date																																	
--		30 min average ELV1																																	
Monthly maximum	0.7	0.7	0.7	0.4	0.5	0.7	0.7	0.4	0.7	0.7	0.4	0.7	0.7	0.4	0.5	0.7	0.7	0.4	0.7	0.7	0.4	0.7	0.7	0.4	0.5	0.7	0.6	0.4	0.5	0.6	0.4	0.6	0.7	0.6	
Monthly mean	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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 minimum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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 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	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
--		Daily average ELV1																																	
Monthly maximum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	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	y	y	y	
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	n	n	n	

17/7/16

Signed
(Authorised to sign as representative of Operator)

Permit Reference Number: PP3936SQ
Installation: Shotton Paper Mill

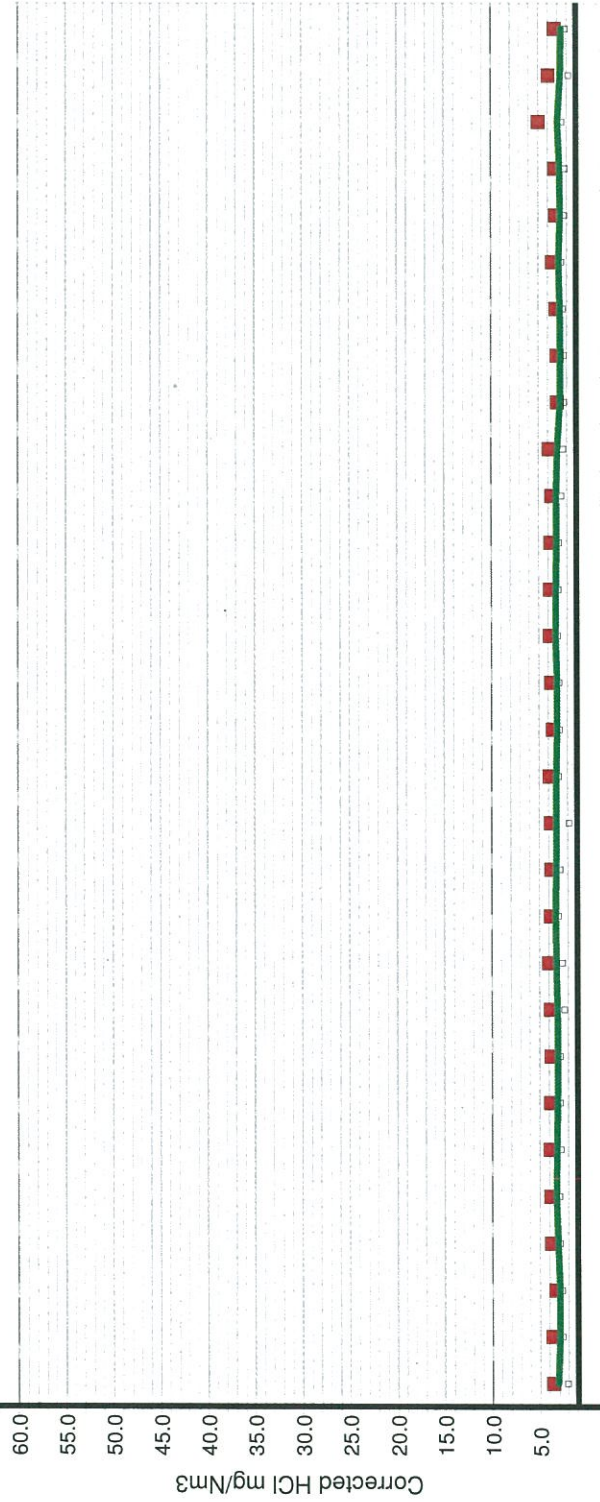
Operator: UPM-Kymmene (UK) Ltd
Form Number: Agency Form / PP3936SQ / A3 / Form Dated May 06

Reporting of Continuously Monitored Emissions to Air for Hydrogen Chloride Emission Point A20 for the month of June 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 average ELV1		Maximum 30 min average		Mean 30 min average		Minimum 30 min average		No. invalid results		No. exceeds ELV1		Daily average ELV1		Daily average		Value valid?		Value exceeds ELV1?	
Monthly maximum	5.0	1	60	3.6	3.7	3.3	3.8	3.9	3.8	3.8	3.8	0	0	0	0	0	0	0	0	0	0	0	0
Monthly mean	3.0	2	60	3.1	3.0	2.9	3.1	3.3	3.2	3.1	3.1	0	0	0	0	0	0	0	0	0	0	0	0
Monthly minimum	1.8	3	60	2.1	2.6	2.7	2.9	2.9	2.8	2.8	2.8	0	0	0	0	0	0	0	0	0	0	0	0
Total invalid results	0	4	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total exceedances	0	5	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Monthly maximum	3.3	6	60	10	10	10	10	10	10	10	10	0	0	0	0	0	0	0	0	0	0	0	0
No. invalid days	0	7	60	3.1	3.0	2.9	3.1	3.3	3.2	3.1	3.1	0	0	0	0	0	0	0	0	0	0	0	0
ELV1 exceedances	0	8	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

17/7/18

Signed (Authorised to sign as representative of Operator)

Permit Reference Number: PP3936SQ
Installation: Shotton Paper Mill

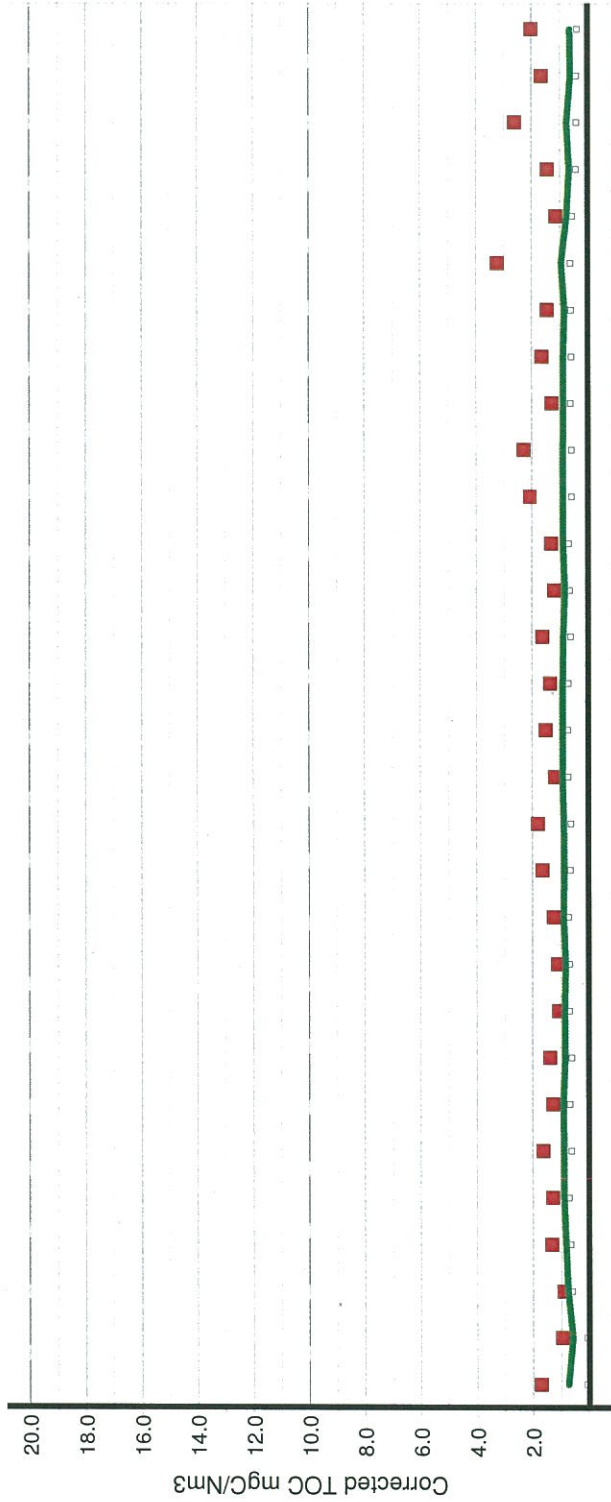
Operator: UPM-Kymmene (UK) Ltd
Form Number: Agency Form / PP3936SQ /A4 /Form Dated May 06

Reporting of Continuously Monitored Emissions to Air for TOC Emission Point A20 for the month of June 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 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?
Monthly maximum	3.2	1.7	1.0	0.9	1.3	1.3	1.6	1.3	1.3	1.3	1.3	1.6
Monthly mean	0.8	0.7	0.6	0.8	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9
Monthly minimum	0.1	0.1	0.1	0.6	0.7	0.7	0.6	0.6	0.7	0.7	0.6	0.6
Total invalid results	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
Monthly maximum	1.0	10	10	10	10	10	10	10	10	10	10	10
No. invalid days	0	0	0	0	0	0	0	0	0	0	0	0
ELV1 exceedances	0	0	0	0	0	0	0	0	0	0	0	0

17/7/18

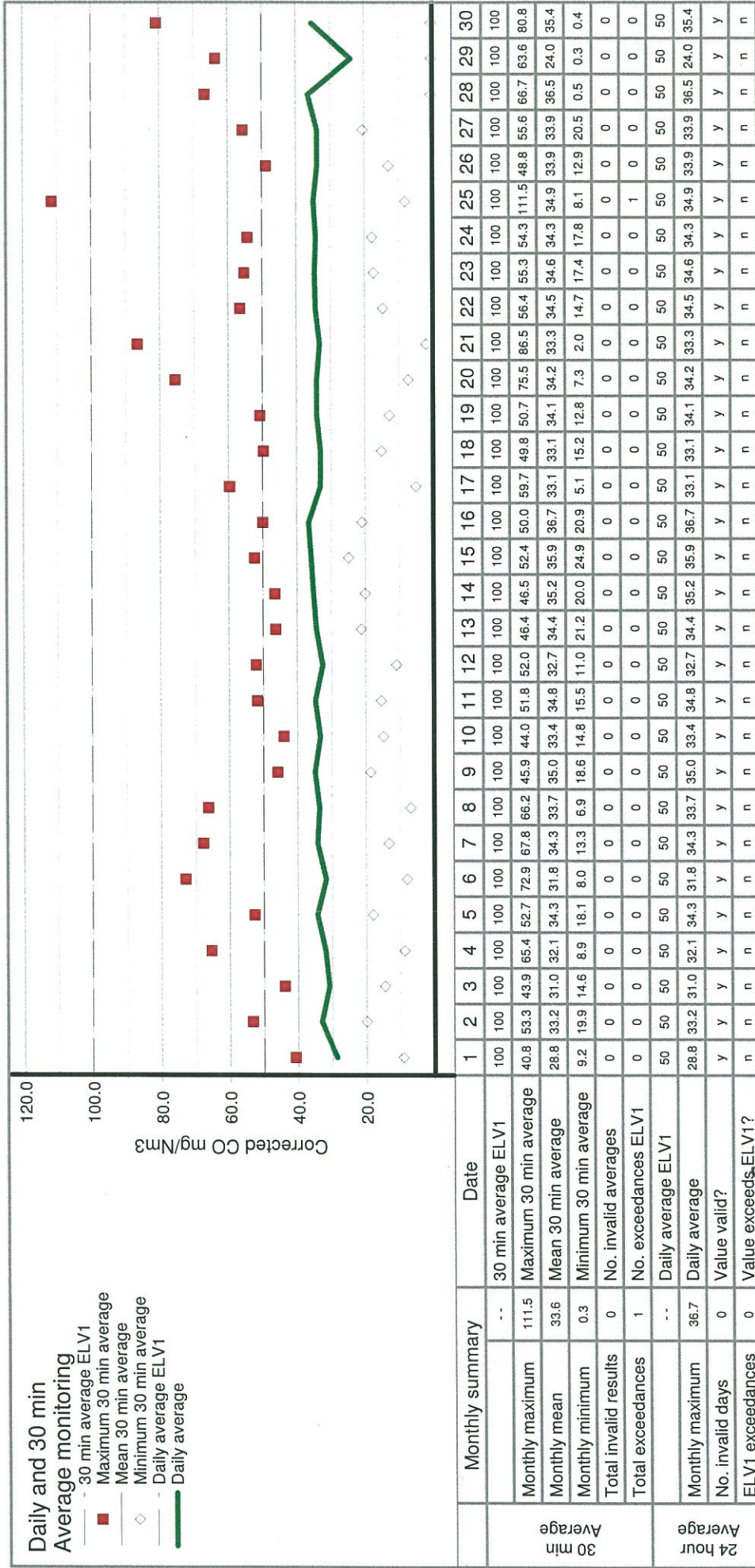
Signed
(Authorised to sign as representative of Operator)

Date.....

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 June 2016



Signed Date: 12/7/16
(Authorised to sign as representative of Operator)

Permit Reference Number: PP3936SQ
Installation: Shotton Paper Mill

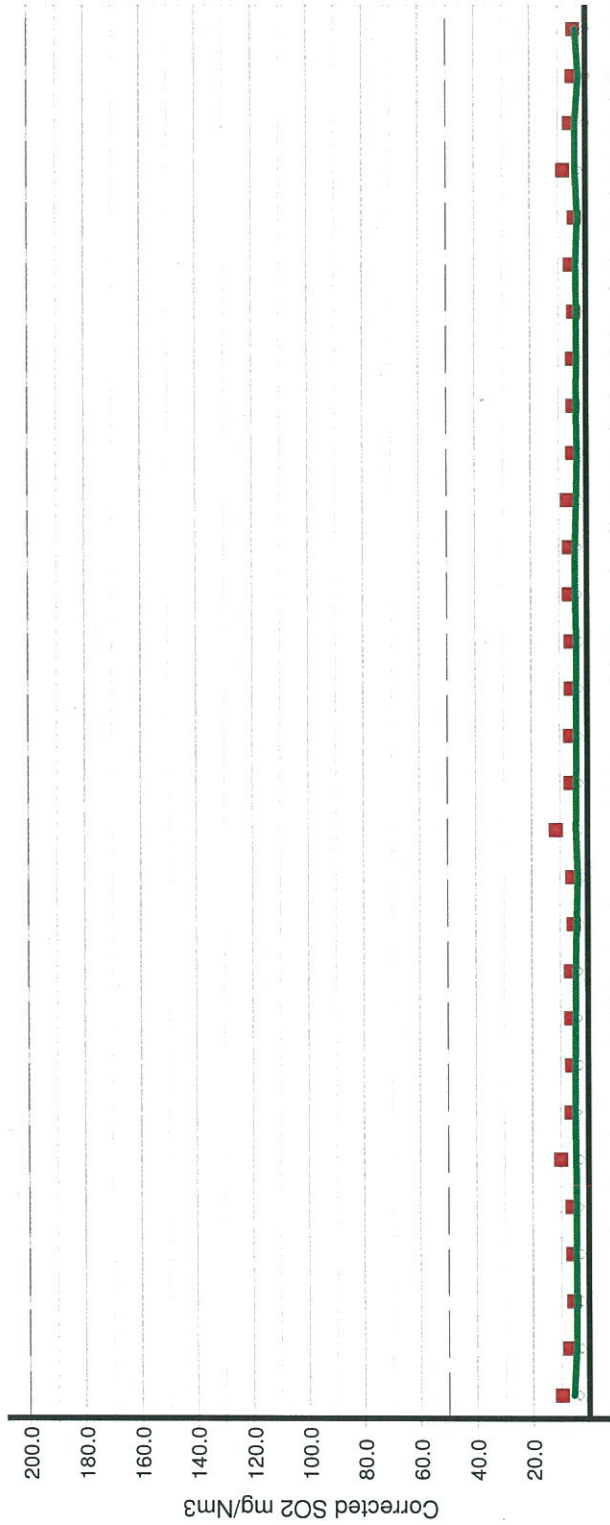
Operator: UPM-Kymmene (UK) Ltd
Form Number: Agency Form / PP3936SQ / A6 / Form Dated May 06

Reporting of Continuously Monitored Emissions to Air for Sulphur Dioxide Emission Point A20 for the month of June 2016

Daily and 30 min

Average monitoring

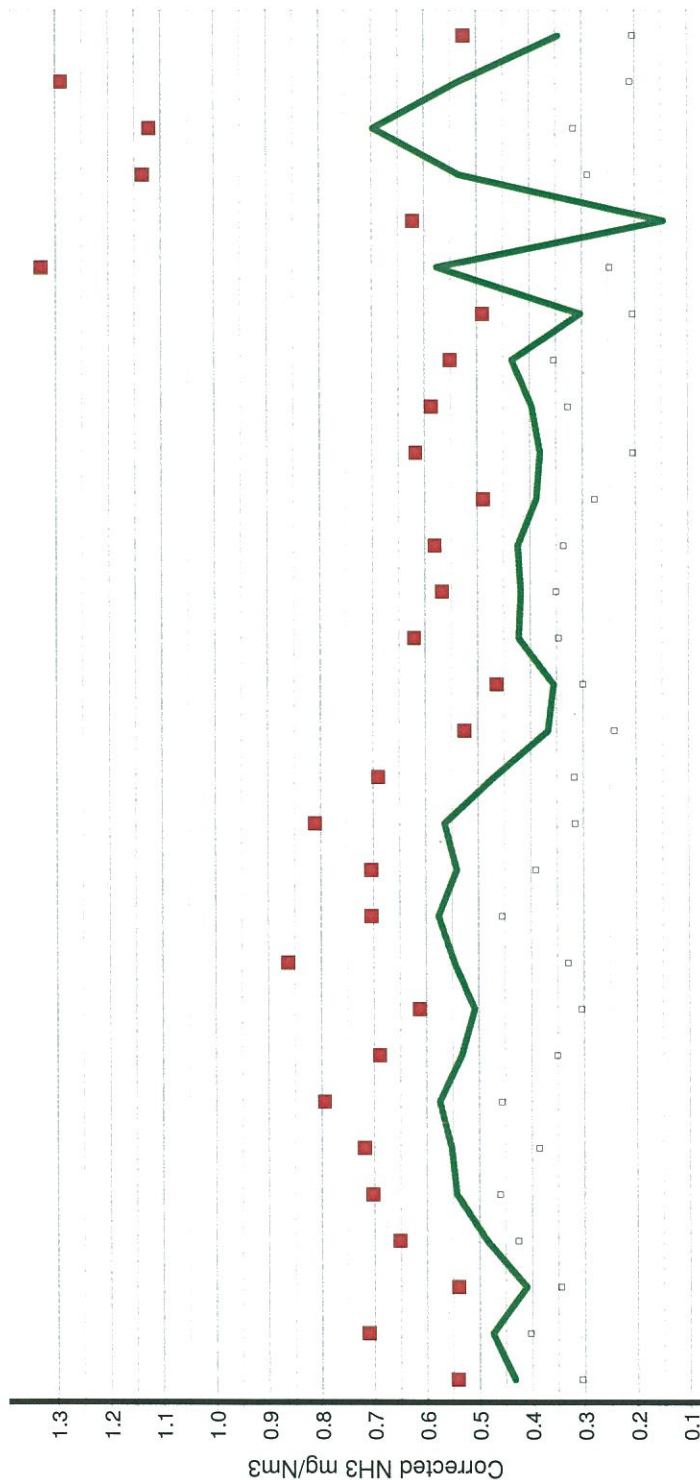
- 30 min average ELV1
- Maximum 30 min average
- Mean 30 min average
- Minimum 30 min average
- Daily average ELV1
- Daily average



Monthly summary		Date																															
--		30 min 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	Monthly maximum	11.4	Maximum 30 min average	9.6	7.0	5.4	5.7	5.9	9.8	6.0	5.8	6.1	6.0	5.1	5.5	11.4	5.9	6.1	5.7	5.8	6.3	6.2	6.9	5.0	4.7	4.8	4.3	5.5	4.0	8.2	5.7	4.8	4.4
	Monthly mean	4.0	Mean 30 min average	5.4	4.5	4.3	4.5	4.4	4.5	4.7	4.6	4.6	4.3	4.0	3.6	4.2	4.0	3.9	3.9	3.9	4.1	4.2	3.7	3.3	3.6	3.5	3.7	3.0	3.9	3.9	2.6	3.7	
	Monthly minimum	0.0	Minimum 30 min average	3.5	2.6	2.5	2.8	3.3	2.9	4.1	3.0	3.7	3.3	3.0	1.6	2.9	3.1	3.1	2.9	2.5	3.3	3.3	2.4	2.2	3.1	3.0	2.9	2.8	2.5	2.8	0.4	0.0	0.2
	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
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
	Monthly maximum	5.4	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
	No. invalid days	0	Daily average	5.4	4.5	4.3	4.5	4.4	4.5	4.7	4.6	4.6	4.3	4.0	3.6	4.2	4.0	3.9	3.9	3.9	4.1	4.2	3.7	3.3	3.6	3.5	3.7	3.0	3.9	3.9	2.6	3.7	
	Value exceeds ELV12	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

Signed _____ Date 17/12/16
(Authorised to sign as representative of Operator)

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



Monthly summary		Date																													
Monthly maximum	1.3	0.5	0.7	0.5	0.7	0.7	0.8	0.7	0.8	0.7	0.8	0.7	0.5	0.5	0.5	0.6	0.6	0.5	0.6	0.6	0.6	0.6	0.5	1.3	0.6	1.1	1.1	1.3	0.5		
Monthly mean	0.5	0.4	0.5	0.4	0.5	0.6	0.6	0.5	0.5	0.6	0.5	0.6	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.5	0.1	0.5	0.7	0.5	0.3		
Monthly minimum	0.1	0.3	0.4	0.3	0.4	0.5	0.4	0.3	0.3	0.5	0.4	0.3	0.3	0.2	0.3	0.4	0.3	0.4	0.2	0.3	0.2	0.3	0.4	0.2	0.2	0.1	0.3	0.3	0.2	0.2	
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	
Monthly maximum	0.7	0.4	0.5	0.5	0.6	0.6	0.5	0.5	0.6	0.5	0.6	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.5	0.1	0.5	0.7	0.5	0.3		
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	

Signed  Date: 17/7/16

(Authorised to sign as representative of Operator)