

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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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 November 2015.

During the period we did not have any exceedances of our permitted limits.

You will note that on 16th and 17th November it is reported of being no or invalid data details as follows.

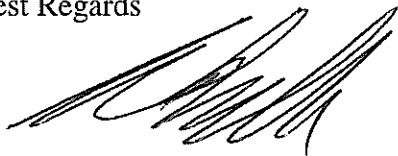
16th November

- i) 11.00-17.00 Maintenance on CEMs unit by the supplier
- ii) Solid Fuel was off the Boiler from 06.00-15.00 to allow fuel feeding system maintenance

Whilst solid fuel was also off the Boiler we carried out the CEMs maintenance. As a result the total the CEMs was actually off line for whilst solid fuel was on was 2 hours. I will add this to the yearly CEMs invalidation log

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

Best Regards



Kevin Smith
Utilities Manager
UPM (UK) Shotton

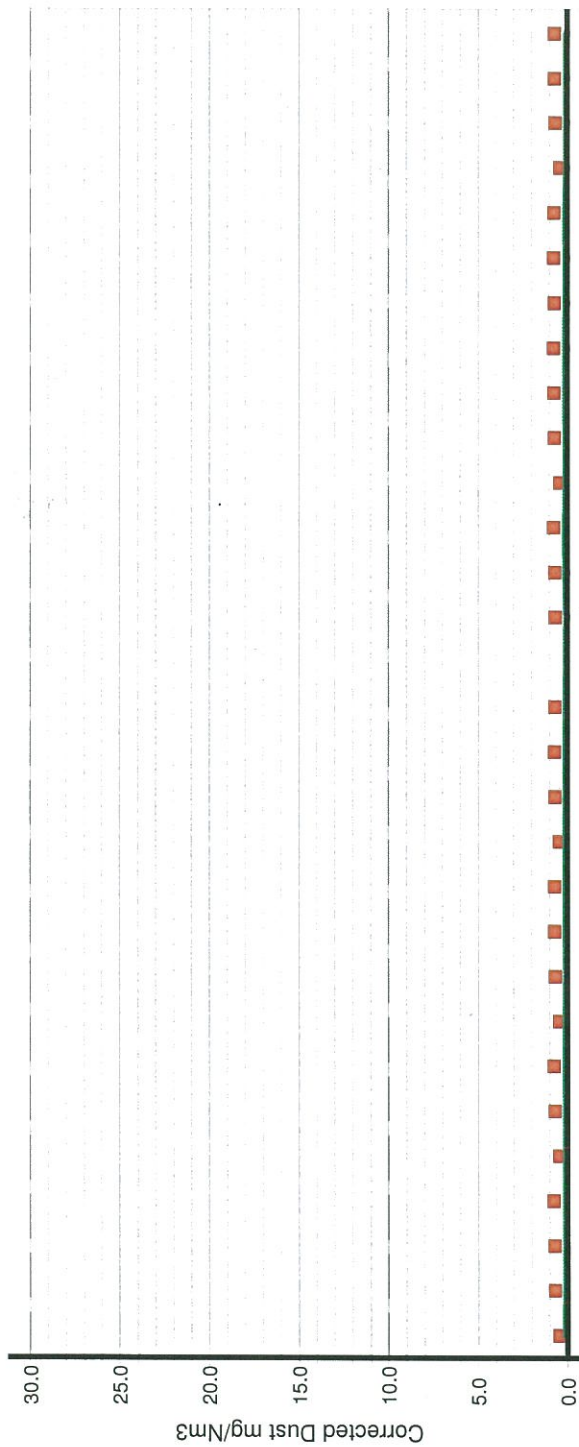
Office +44 (0) 1244284393
Mobile +44 (0) 7736497124

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
(Authorised to sign as representative of Operator)

Date: 8/12/15

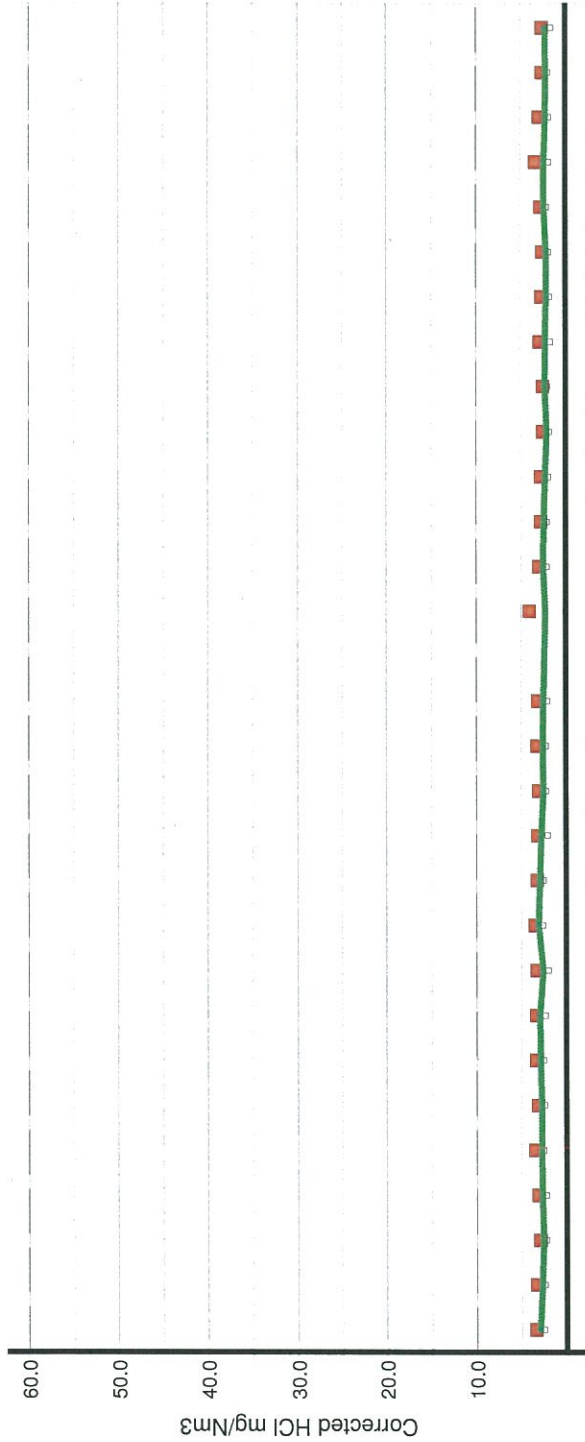
Permit Reference Number: PP3936SQ
Installation: Shotton Paper Mill

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 November 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



Monthly summary		Date		30 min average ELV1		Maximum 30 min average		Mean 30 min average		Minimum 30 min average		No. invalid results		Total exceedances		No. exceeds ELV1		Daily average ELV1		Daily average		Value valid?		Value exceeds ELV1?	
30 min	Average	Monthly maximum	4.1	--	30 min average ELV1	60	60	3.4	3.4	2.9	3.1	3.5	3.2	3.4	3.4	3.3	3.5	3.3	3.3	3.2	3.0	3.3	3.2	2.5	2.6
30 min	Average	Monthly mean	2.6	4.1	Maximum 30 min average	3.4	3.4	2.7	2.6	2.7	2.8	2.8	2.8	2.9	3.0	2.6	3.1	3.0	2.8	2.6	2.6	2.5	2.3	2.1	2.7
30 min	Average	Monthly minimum	0.0	2.6	Mean 30 min average	3.0	2.7	2.5	2.3	2.3	2.6	2.6	2.5	2.3	2.0	2.6	2.6	2.6	2.1	2.3	2.3	2.1	1.7	1.9	2.0
24 hour	Average	Total invalid results	2	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
24 hour	Average	Total exceedances	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
24 hour	Average	Monthly maximum	3.1	--	No. exceeds ELV1	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
24 hour	Average	No. invalid days	1	3.0	Daily average ELV1	3.0	2.7	2.6	2.7	2.8	2.8	2.9	2.9	3.0	2.6	3.1	3.0	2.8	2.6	2.6	2.5	2.3	2.1	2.3	2.2
24 hour	Average	ELV1 exceedances	0	y	Daily average	y	y	y	y	y	y	y	y	y	y	y	y	y	y	y	y	y	y	y	y

Signed
(Authorised to sign as representative of Operator)

Date: 8/12/15

Permit Reference Number: PP3936SQ
Installation: Shotton Paper Mill

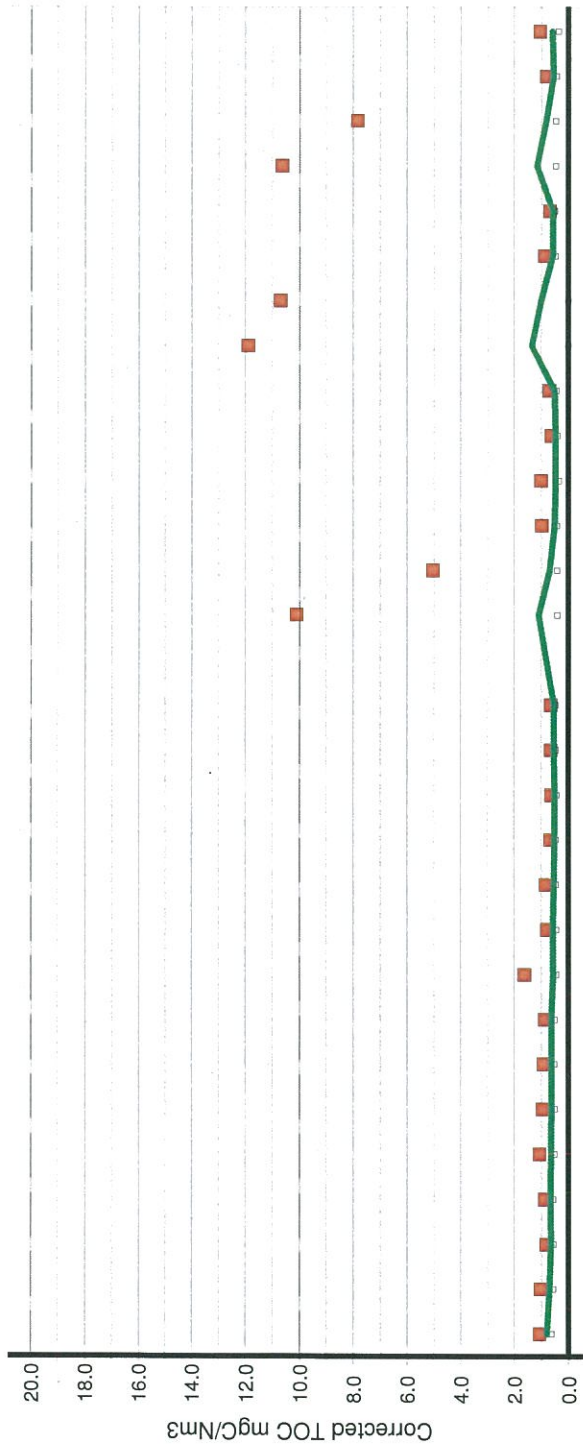
Operator: UPM-Kymmene (UK) Ltd
Form Number: Agency Form / PP3936SQ / A4 / Form Dated May 06

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

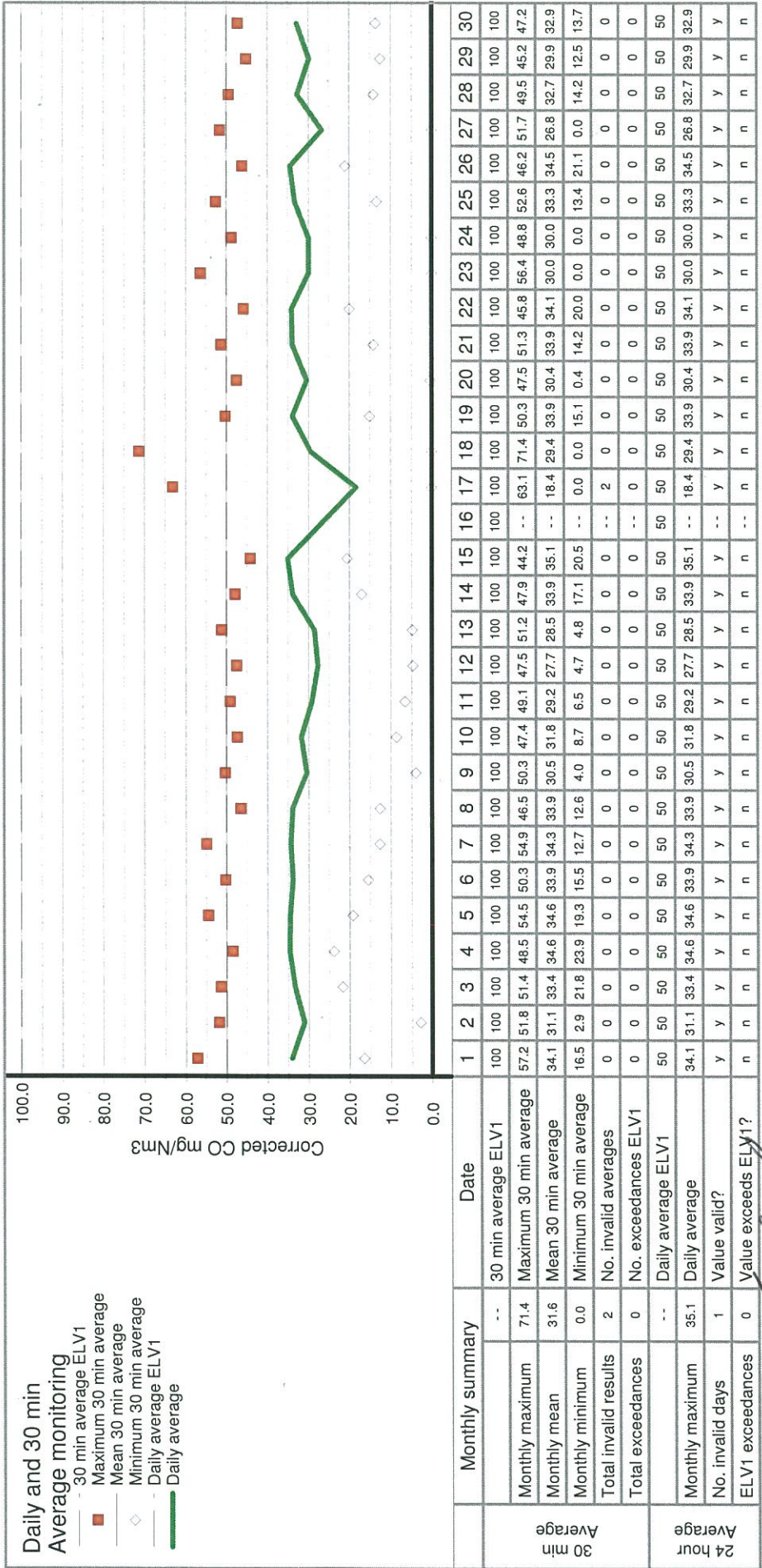


Monthly summary		Date																															
30 min Average	Monthly maximum	--	30 min average ELV1		1.1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	
	Monthly mean	11.9	Maximum 30 min average		0.8	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.5	0.5	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	
	Monthly minimum	0.0	Mean 30 min average		0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	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	
	Total invalid results	2	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	
	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
24 hour Average	Monthly maximum	--	No. exceedances 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	1.4	Daily average ELV1		0.8	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.6	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
	Value valid?	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	
	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

Signed
(Authorised to sign as representative of Operator)

Date: 8/12/15

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



Signed:  Date: 8/12/15

(Authorised to sign as representative of Operator)

Permit Reference Number: PP3936SQ
Installation: Shotton Paper Mill

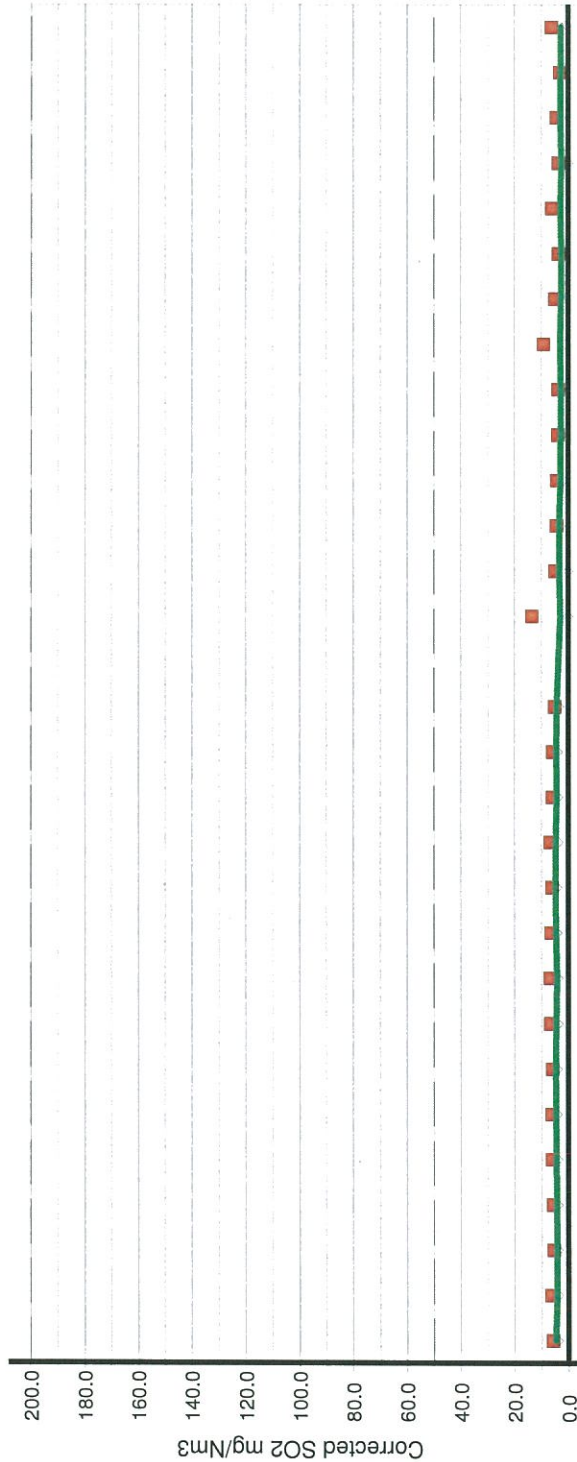
Operator: UPM-Kymmene (UK) Ltd
Form Number: Agency Form / PP3936SQ / A6 / Form Dated May 06

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



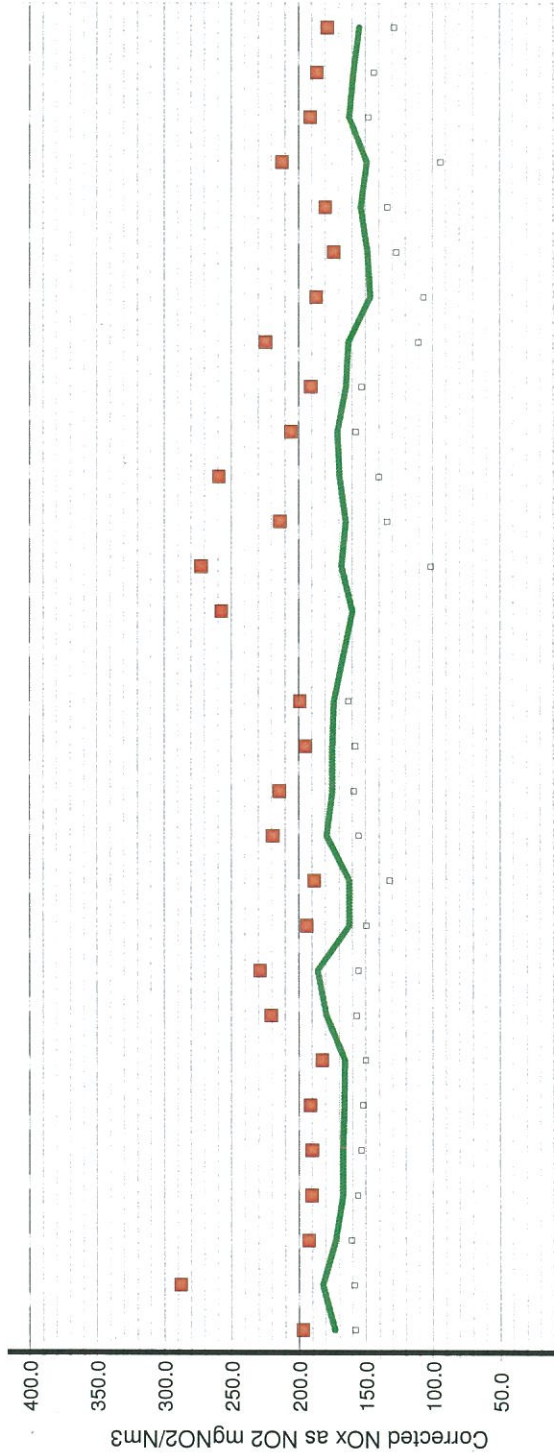
Monthly summary		Date																														
30 min Average	--	30 min average ELV1																														
	13.8	5.8	6.4	5.5	5.7	6.1	6.2	5.9	6.6	6.7	6.4	6.1	6.8	5.9	5.8	5.3	--	13.8	5.0	4.4	4.3	4.0	3.8	9.3	5.1	3.7	6.2	3.7	4.4	3.2	6.3	
	3.8	4.8	4.4	4.4	4.6	4.6	4.8	4.9	4.6	4.3	4.7	5.0	4.9	4.5	4.6	4.5	--	3.2	3.5	3.5	3.0	2.9	2.9	3.2	2.8	2.7	3.0	2.6	2.9	2.9	2.9	
	0.0	3.9	3.6	3.9	3.9	3.9	4.1	4.0	3.7	3.8	4.1	4.2	3.7	3.8	4.0	3.5	--	0.0	0.0	2.7	1.8	2.5	2.5	1.2	1.8	2.4	2.5	0.0	2.6	2.6	2.4	
	No. invalid results																															
24 hour Average	0	No. exceedances 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	
	5.0	4.8	4.4	4.4	4.6	4.6	4.8	4.9	4.6	4.3	4.7	5.0	4.9	4.5	4.6	4.5	--	3.2	3.5	3.5	3.0	2.9	2.9	3.2	2.8	2.7	3.0	2.6	2.9	2.9	2.9	
	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	
	0		Value exceeds ELV1?																													

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

Date..... 8/12/15

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



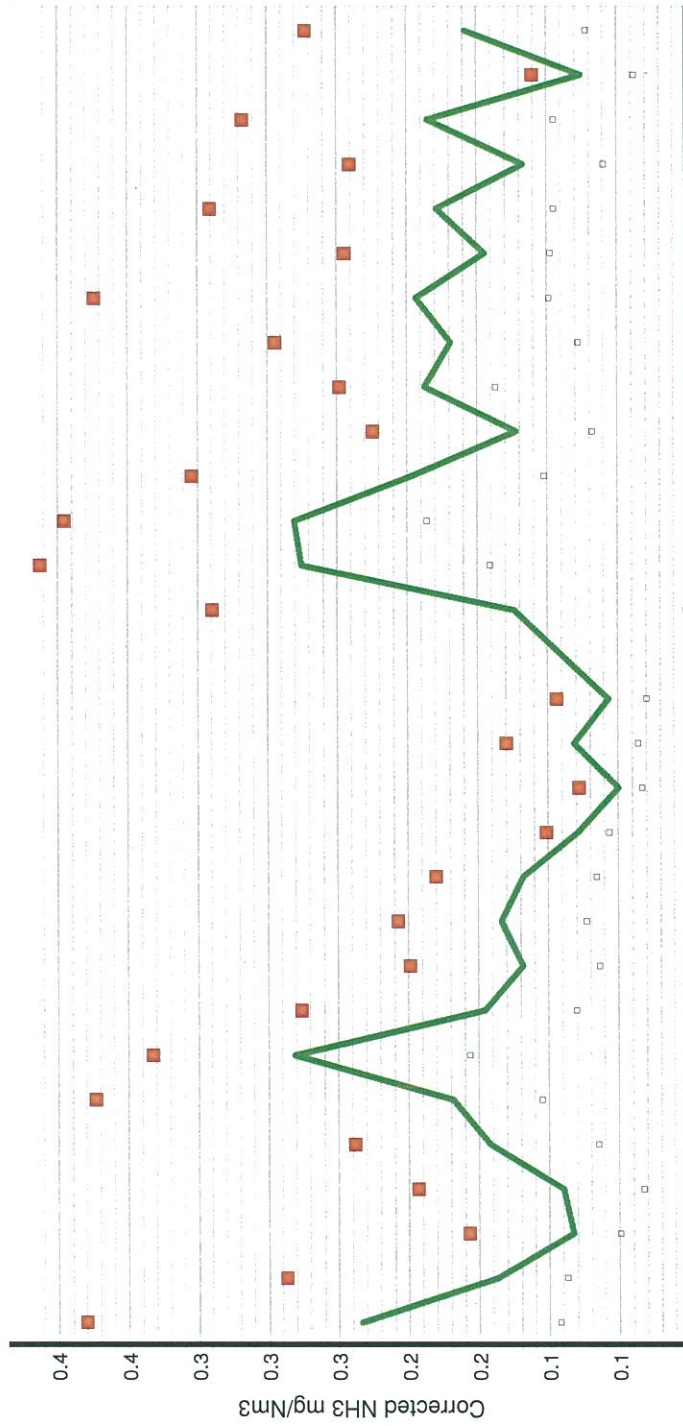
Monthly summary		Date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
30 min Average	Monthly maximum	287.7	197.3	287.7	192.6	190.3	190.1	191.6	182.5	220.5	228.9	194.1	188.2	219.3	214.3	194.8	199.1	--	257.4	272.4	213.8	259.3	205.6	190.8	224.5	186.6	173.7	180.1	212.3	191.2	186.3	178.6
	Monthly mean	166.2	173.3	182.1	172.8	167.1	167.2	166.1	165.9	179.4	185.9	162.4	162.4	179.1	174.9	174.8	173.8	--	159.8	168.1	164.8	169.4	171.0	164.6	162.9	146.6	148.6	153.5	149.0	162.1	158.9	154.5
	Monthly minimum	0.3	157.9	158.8	160.8	155.9	153.6	152.2	150.0	156.9	155.5	149.7	132.0	155.2	158.9	157.9	162.8	--	0.3	101.5	133.9	140.1	157.4	152.8	110.4	106.6	126.9	133.8	93.8	147.8	143.8	128.7
	Total invalid results	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	--	2	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
	Monthly maximum	185.9	173.3	182.1	172.8	167.1	167.2	166.1	165.9	179.4	185.9	162.4	162.4	179.1	174.9	174.8	173.8	--	159.8	168.1	164.8	169.4	171.0	164.6	162.9	146.6	148.6	153.5	149.0	162.1	158.9	154.5
	No. invalid days	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
	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

Signed Date 2/12/15
(Authorised to sign as representative of Operator)

Reporting of Continuously Monitored Emissions to Air for Ammonia Emission Point A20 for the month of November 2015

Daily and 30 min Average monitoring

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



Monthly summary			Date																													
30 min average	Monthly maximum	0.5	Maximum 30 min average																													
	Monthly mean	0.1	Mean 30 min average																													
	Monthly minimum	0.0	Minimum 30 min average																													
	Total invalid results	2	No. invalid averages																													
24 hour average	Monthly maximum	0.3	Daily average																													
	No. invalid days	1	Value valid?																													

Signed
(Authorised to sign as representative of Operator)

Date: 8/12/15