

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

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

You will note there are some occurrences indicating invalid data these occurred when maintenance was taking place on the CEMs unit, details as follows

4th April- Off line for total of 8 * 30 minute periods total 4 hrs which takes CEMS below the 22 valid averages for the day

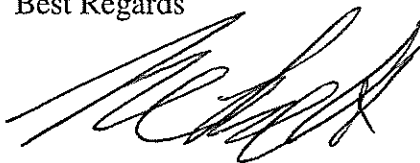
5th April – Off line for 1 * 30 minute period.

A copy of the daily report for each of the above is attached.

This downtime will be added to the 6 monthly report for allowable outages during 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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Daily report for the period ending Tuesday 5 April 2016 00:00:00

Date/Time	Corrected CO 30min avgs, mg/Nm3	Corrected SO2 30min avgs, mg/Nm3	Corrected HCl 30min avgs, mg/Nm3	Corrected TOC 30min avgs, mgC/Nm3	Corrected NOx as NO2 30min avgs, mgNO2/Nm3	Corrected Dust 30min avgs, mg/Nm3	Corrected NH3 30min avgs, mg/Nm3
04/04/2016 00:30:00	29.6 (30)	4.2 (30)	2.9 (30)	1.0 (30)	159.0 (30)	0.6 (30)	0.3 (30)
04/04/2016 01:00:00	47.2 (30)	4.4 (30)	2.7 (30)	1.6 (30)	150.1 (30)	0.7 (30)	0.4 (30)
04/04/2016 01:30:00	78.3 (30)	4.5 (30)	3.1 (30)	2.7 (30)	212.5 (30)	0.8 (30)	0.4 (30)
04/04/2016 02:00:00	12.0 (30)	4.3 (30)	2.9 (30)	0.9 (30)	188.8 (30)	0.9 (30)	0.4 (30)
04/04/2016 02:30:00	53.8 (30)	4.3 (30)	2.9 (30)	1.5 (30)	155.2 (30)	0.8 (30)	0.4 (30)
04/04/2016 03:00:00	28.5 (30)	4.3 (30)	2.8 (30)	1.2 (30)	160.7 (30)	0.7 (30)	0.3 (30)
04/04/2016 03:30:00	59.0 (30)	4.5 (30)	2.8 (30)	1.7 (30)	146.5 (30)	1.0 (30)	0.3 (30)
04/04/2016 04:00:00	35.3 (30)	4.7 (30)	3.0 (30)	1.5 (30)	152.3 (30)	1.5 (30)	0.4 (30)
04/04/2016 04:30:00	27.2 (30)	4.7 (30)	3.1 (30)	1.3 (30)	145.0 (30)	1.6 (30)	0.4 (30)
04/04/2016 05:00:00	38.5 (30)	4.3 (30)	2.9 (30)	1.3 (30)	143.6 (30)	1.2 (30)	0.4 (30)
04/04/2016 05:30:00	30.8 (30)	4.1 (30)	2.7 (30)	1.1 (30)	163.0 (30)	0.8 (30)	0.4 (30)
04/04/2016 06:00:00	44.1 (30)	4.0 (30)	2.6 (30)	1.3 (30)	159.3 (30)	0.7 (30)	0.4 (30)
04/04/2016 06:30:00	39.9 (30)	4.1 (30)	2.7 (30)	1.4 (30)	189.0 (30)	0.8 (30)	0.4 (30)
04/04/2016 07:00:00	3.5 (30)	4.3 (30)	2.6 (30)	0.8 (30)	212.7 (30)	0.5 (30)	0.4 (30)
04/04/2016 07:30:00	11.8 (30)	4.6 (30)	2.4 (30)	0.8 (30)	176.6 (30)	0.4 (30)	0.4 (30)
04/04/2016 08:00:00	42.2 (30)	4.3 (30)	2.5 (30)	1.0 (30)	155.2 (30)	0.4 (30)	0.5 (30)
04/04/2016 08:30:00	28.3 (30)	4.5 (30)	2.8 (30)	0.8 (30)	158.7 (30)	0.5 (30)	0.6 (30)
04/04/2016 09:00:00	38.5 (30)	4.5 (30)	2.9 (30)	0.9 (30)	172.3 (30)	0.5 (30)	0.6 (30)
04/04/2016 09:30:00	57.9 (30)	4.6 (30)	2.8 (30)	1.2 (30)	196.9 (30)	0.5 (30)	0.6 (30)
04/04/2016 10:00:00	8.4 (30)	4.3 (30)	2.2 (30)	0.8 (30)	227.6 (30)	0.3 (30)	0.5 (30)
04/04/2016 10:30:00	22.1 (26) *	4.2 (26) *	0.5 (26) *	2.6 (26) *	55.4 (26) *	0.2 (26) *	0.1 (26) *
04/04/2016 11:00:00	3.4 (22) *	6.6 (22) *	0.6 (22) *	1.0 (21) *	84.1 (22) *	0.1 (22) *	0.0 (22) *
04/04/2016 11:30:00	0.4 (27) *	0.0 (27) *	0.1 (27) *	0.8 (27) *	0.1 (27) *	0.1 (27) *	0.0 (27) *
04/04/2016 12:00:00	0.6 (24) *	0.0 (24) *	1.7 (24) *	0.2 (24) *	1.1 (24) *	0.1 (24) *	0.1 (24) *
04/04/2016 12:30:00	1.0 (24) *	0.2 (24) *	3.9 (24) *	0.0 (24) *	0.9 (24) *	0.1 (24) *	0.1 (24) *
04/04/2016 13:00:00	1.3 (20) *	2.4 (20) *	3.9 (20) *	0.3 (20) *	26.6 (20) *	0.2 (20) *	0.1 (20) *
04/04/2016 13:30:00	22.4 (30)	9.0 (30)	2.0 (30)	2.4 (30)	172.4 (30)	0.2 (30)	0.2 (30)
04/04/2016 14:00:00	39.7 (30)	9.3 (30)	2.3 (30)	0.9 (30)	170.6 (30)	0.1 (30)	0.3 (30)
04/04/2016 14:30:00	34.0 (30)	8.5 (30)	2.3 (30)	0.5 (30)	177.9 (30)	0.1 (30)	0.3 (30)
04/04/2016 15:00:00	26.2 (30)	7.0 (30)	2.3 (30)	0.2 (30)	191.4 (30)	0.1 (30)	0.3 (30)
04/04/2016 15:30:00	29.1 (30)	7.6 (30)	2.4 (30)	0.1 (30)	172.4 (30)	0.2 (30)	0.3 (30)
04/04/2016 16:00:00	25.2 (30)	6.0 (30)	2.5 (30)	0.0 (30)	190.1 (30)	0.2 (30)	0.3 (30)
04/04/2016 16:30:00	29.5 (30)	6.1 (30)	2.5 (30)	0.0 (30)	185.4 (30)	0.5 (30)	0.3 (30)
04/04/2016 17:00:00	25.2 (30)	6.2 (30)	3.1 (30)	0.0 (30)	177.9 (30)	0.2 (30)	0.3 (30)
04/04/2016 17:30:00	34.2 (30)	6.0 (30)	2.9 (30)	0.0 (30)	173.3 (30)	0.2 (30)	0.3 (30)
04/04/2016 18:00:00	39.1 (30)	6.6 (30)	2.7 (30)	0.0 (30)	167.8 (30)	0.2 (30)	0.3 (30)
04/04/2016 18:30:00	17.5 (30)	6.5 (30)	2.4 (30)	0.0 (30)	175.8 (30)	0.1 (30)	0.3 (30)
04/04/2016 19:00:00	31.5 (30)	5.3 (30)	2.5 (30)	0.0 (30)	183.0 (30)	0.1 (30)	0.2 (30)
04/04/2016 19:30:00	36.0 (30)	5.8 (30)	2.4 (30)	0.0 (30)	181.8 (30)	0.1 (30)	0.3 (30)
04/04/2016 20:00:00	34.7 (30)	4.3 (30)	2.6 (30)	0.0 (30)	190.6 (30)	0.1 (30)	0.4 (30)
04/04/2016 20:30:00	38.4 (30)	5.2 (30)	2.6 (30)	0.0 (30)	170.8 (30)	0.2 (30)	0.4 (30)

Averages marked "*" are valid but discretionary

[Signature]
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8x30
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Daily report for the period ending Wednesday 6 April 2016 00:00:00

Date/Time	Corrected CO 30min avgs, mg/Nm3	Corrected SO2 30min avgs, mg/Nm3	Corrected HCl 30min avgs, mg/Nm3	Corrected TOC 30min avgs, mgC/Nm3	Corrected NOx as NO2 30min avgs, mgNO2/Nm3	Corrected Dust 30min avgs, mg/Nm3	Corrected NH3 30min avgs, mg/Nm3
05/04/2016 00:30:00	26.6 (30)	4.7 (30)	2.5 (30)	0.0 (30)	173.9 (30)	0.2 (30)	0.4 (30)
05/04/2016 01:00:00	33.5 (30)	5.2 (30)	2.5 (30)	0.0 (30)	176.9 (30)	0.2 (30)	0.4 (30)
05/04/2016 01:30:00	22.2 (30)	5.1 (30)	2.5 (30)	0.0 (30)	181.9 (30)	0.2 (30)	0.4 (30)
05/04/2016 02:00:00	32.6 (30)	5.4 (30)	2.6 (30)	0.0 (30)	166.3 (30)	0.2 (30)	0.3 (30)
05/04/2016 02:30:00	51.6 (30)	5.7 (30)	2.7 (30)	0.0 (30)	164.6 (30)	0.3 (30)	0.3 (30)
05/04/2016 03:00:00	31.5 (30)	4.9 (30)	2.8 (30)	0.0 (30)	173.9 (30)	0.3 (30)	0.3 (30)
05/04/2016 03:30:00	36.3 (30)	5.3 (30)	2.7 (30)	0.0 (30)	165.2 (30)	0.3 (30)	0.3 (30)
05/04/2016 04:00:00	31.5 (30)	5.6 (30)	2.8 (30)	0.0 (30)	164.2 (30)	0.3 (30)	0.3 (30)
05/04/2016 04:30:00	36.7 (30)	5.1 (30)	2.7 (30)	0.0 (30)	164.9 (30)	0.3 (30)	0.2 (30)
05/04/2016 05:00:00	27.6 (30)	4.9 (30)	2.7 (30)	0.0 (30)	166.6 (30)	0.3 (30)	0.2 (30)
05/04/2016 05:30:00	32.6 (30)	5.4 (30)	2.6 (30)	0.0 (30)	171.5 (30)	0.3 (30)	0.2 (30)
05/04/2016 06:00:00	48.6 (30)	5.1 (30)	2.7 (30)	0.0 (30)	163.9 (30)	0.3 (30)	0.2 (30)
05/04/2016 06:30:00	36.6 (30)	5.2 (30)	2.9 (30)	0.0 (30)	174.7 (30)	0.4 (30)	0.2 (30)
05/04/2016 07:00:00	38.9 (30)	5.2 (30)	2.9 (30)	0.0 (30)	163.3 (30)	0.4 (30)	0.2 (30)
05/04/2016 07:30:00	29.5 (30)	7.1 (30)	2.0 (30)	0.2 (25) *	129.2 (30)	0.4 (30)	0.1 (30)
05/04/2016 08:00:00	0.3 (30)	0.0 (30)	0.0 (30)	0.5 (27) *	0.4 (30)	0.3 (30)	0.0 (30)
05/04/2016 09:00:00	35.2 (30)	4.3 (30)	2.1 (30)	0.8 (30)	122.5 (30)	0.4 (30)	0.1 (30)
05/04/2016 09:30:00	39.2 (30)	5.0 (30)	2.8 (30)	1.1 (30)	187.4 (30)	0.4 (30)	0.2 (30)
05/04/2016 10:00:00	32.1 (30)	4.7 (30)	2.5 (30)	0.3 (30)	167.1 (30)	0.3 (30)	0.2 (30)
05/04/2016 10:30:00	48.3 (30)	5.0 (30)	2.5 (30)	0.4 (30)	170.0 (30)	0.3 (30)	0.2 (30)
05/04/2016 11:00:00	27.2 (30)	4.5 (30)	2.6 (30)	0.5 (30)	167.8 (30)	0.3 (30)	0.2 (30)
05/04/2016 11:30:00	30.6 (30)	3.9 (30)	2.3 (30)	0.3 (30)	163.9 (30)	0.3 (30)	0.3 (30)
05/04/2016 12:00:00	35.3 (30)	3.7 (30)	2.2 (30)	0.2 (30)	171.4 (30)	0.6 (30)	0.2 (30)
05/04/2016 12:30:00	28.2 (30)	3.5 (30)	2.2 (30)	0.0 (30)	160.0 (30)	0.3 (30)	0.2 (30)
05/04/2016 13:00:00	40.9 (30)	3.5 (30)	2.3 (30)	0.0 (30)	155.4 (30)	0.3 (30)	0.2 (30)
05/04/2016 13:30:00	50.1 (30)	3.6 (30)	2.3 (30)	0.1 (30)	153.0 (30)	0.3 (30)	0.2 (30)
05/04/2016 14:00:00	37.4 (30)	3.4 (30)	2.4 (30)	0.0 (30)	165.2 (30)	0.3 (30)	0.2 (30)
05/04/2016 14:30:00	24.9 (30)	3.3 (30)	2.2 (30)	0.0 (30)	162.0 (30)	0.3 (30)	0.2 (30)
05/04/2016 15:00:00	34.3 (30)	3.3 (30)	2.2 (30)	0.0 (30)	158.5 (30)	0.3 (30)	0.2 (30)
05/04/2016 15:30:00	32.6 (30)	3.3 (30)	2.2 (30)	0.0 (30)	155.7 (30)	0.3 (30)	0.2 (30)
05/04/2016 16:00:00	39.9 (30)	3.2 (30)	2.1 (30)	0.0 (30)	164.4 (30)	0.3 (30)	0.1 (30)
05/04/2016 16:30:00	35.0 (30)	3.2 (30)	2.2 (30)	0.0 (30)	166.8 (30)	0.3 (30)	0.2 (30)
05/04/2016 17:00:00	35.7 (30)	3.4 (30)	2.3 (30)	0.0 (30)	158.9 (30)	0.2 (30)	0.2 (30)
05/04/2016 17:30:00	28.2 (30)	3.3 (30)	2.3 (30)	0.0 (30)	157.3 (30)	0.2 (30)	0.2 (30)
05/04/2016 18:00:00	39.0 (30)	3.2 (30)	2.4 (30)	0.0 (30)	165.7 (30)	0.2 (30)	0.2 (30)
05/04/2016 18:30:00	30.1 (30)	3.1 (30)	2.2 (30)	0.0 (30)	161.9 (30)	0.2 (30)	0.1 (30)
05/04/2016 19:00:00	32.7 (30)	3.0 (30)	2.0 (30)	0.0 (30)	174.9 (30)	0.2 (30)	0.1 (30)
05/04/2016 19:30:00	32.9 (30)	3.0 (30)	2.1 (30)	0.0 (30)	164.7 (30)	0.2 (30)	0.1 (30)
05/04/2016 20:00:00	38.0 (30)	3.0 (30)	2.2 (30)	0.0 (30)	165.3 (30)	0.9 (30)	0.1 (30)
05/04/2016 20:30:00	35.4 (30)	2.8 (30)	2.4 (30)	0.0 (30)	188.3 (30)	0.3 (30)	0.1 (30)
05/04/2016 21:00:00	22.3 (30)	2.5 (30)	2.5 (30)	0.0 (30)	184.3 (30)	0.3 (30)	0.1 (30)
05/04/2016 21:30:00	30.6 (30)	2.9 (30)	2.2 (30)	0.0 (30)	168.2 (30)	0.2 (30)	0.1 (30)
05/04/2016 22:00:00	34.4 (30)	3.0 (30)	2.2 (30)	0.0 (30)	162.1 (30)	0.2 (30)	0.1 (30)
05/04/2016 22:30:00	32.1 (30)	2.9 (30)	2.1 (30)	0.0 (30)	169.8 (30)	0.2 (30)	0.1 (30)
05/04/2016 23:00:00	26.4 (30)	2.9 (30)	2.1 (30)	0.0 (30)	172.4 (30)	0.2 (30)	0.1 (30)
05/04/2016 23:30:00	29.7 (30)	2.9 (30)	2.1 (30)	0.0 (30)	164.0 (30)	0.2 (30)	0.1 (30)
06/04/2016 00:00:00	59.6 (30)	3.6 (30)	2.1 (30)	0.7 (30)	164.7 (30)	0.2 (30)	0.1 (30)

1 x 30

Averages marked * are valid but discretionary

[Signature]
10/15/16

Permit Reference Number: PP3936SQ
Installation: Shotton Paper Mill

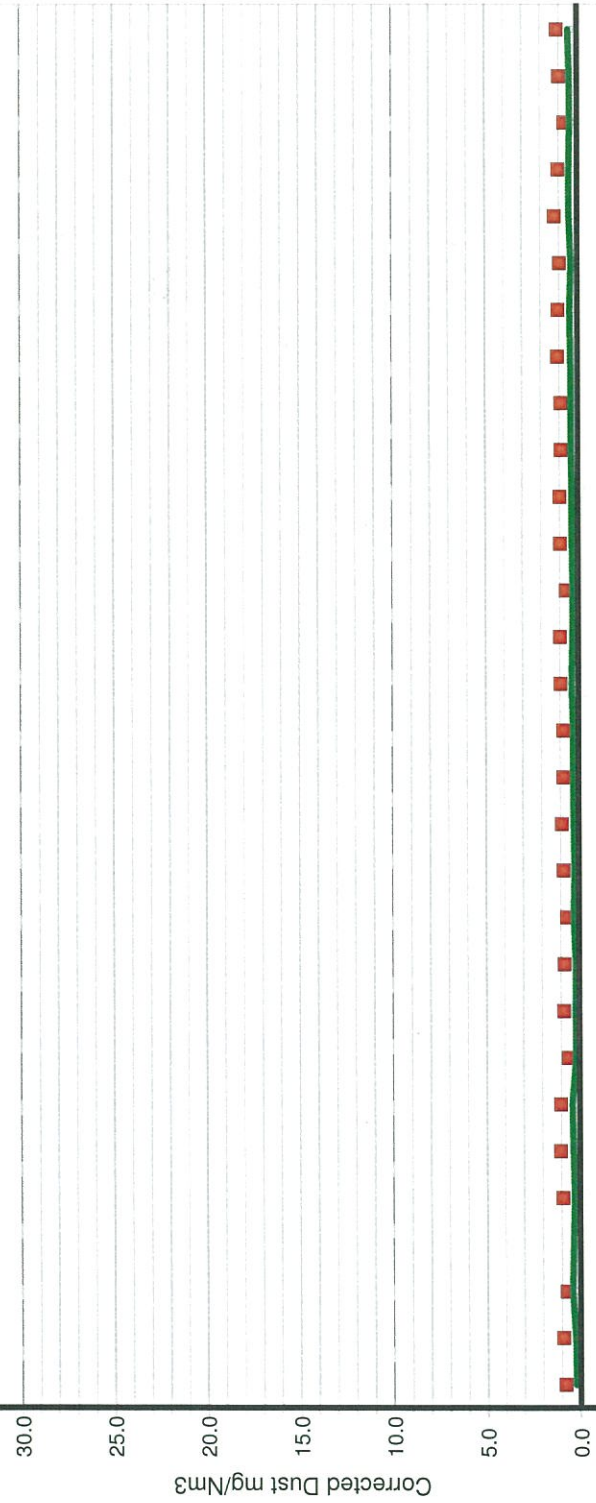
Operator: UPM-Kymmene (UK) Ltd
Form Number: Agency Form / PP3936SQ / A2 / Form Dated May 06

Reporting of Continuously Monitored Emissions to Air for Particulates Emission Point A20 for the month of April 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		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	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	30
30 min Average	Monthly maximum	1.2	Maximum 30 min average	0.8	0.9	0.7	--	0.9	1.0	1.0	0.6	0.8	0.8	0.7	0.8	0.9	0.8	0.8	1.0	1.0	0.6	1.0	1.0	0.9	0.9	1.1	1.1	1.0	1.2	1.0	0.7	1.0	1.1	
	Monthly mean	0.3	Mean 30 min average	0.2	0.3	0.4	--	0.3	0.4	0.4	0.2	0.2	0.2	0.3	0.2	0.3	0.3	0.3	0.4	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.3	0.4	0.4	0.4	0.4	0.5	
	Monthly minimum	0.0	Minimum 30 min average	0.1	0.1	0.2	--	0.2	0.0	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.0	0.2	0.2	0.1	0.2	0.2	0.3	0.2	0.3	0.3	0.2	0.3	0.3	0.3	0.4	
	Total invalid results	1	No. invalid averages	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	
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	
	--	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	
	Monthly maximum	0.5	Daily average	0.2	0.3	0.4	--	0.3	0.4	0.4	0.2	0.2	0.2	0.3	0.2	0.3	0.3	0.3	0.3	0.4	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.3	0.4	0.4	0.4	0.4	0.5	
	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	
24 hour Average	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: 10/5/16

Permit Reference Number: PP3936SQ
Installation: Shotton Paper Mill

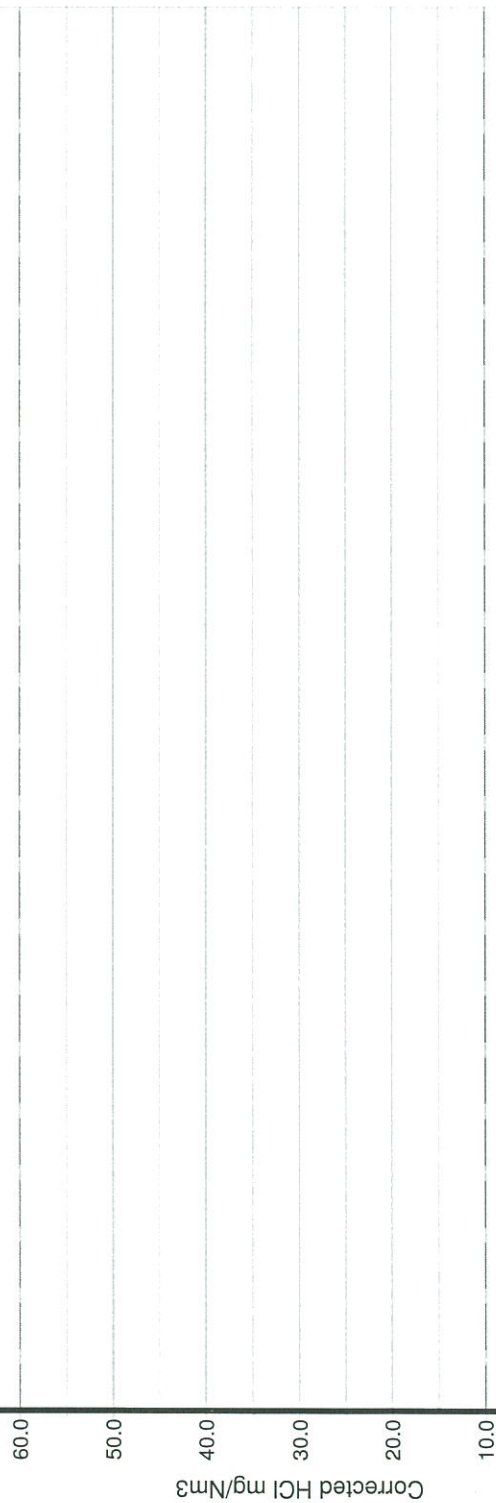
Operator: UPM-Kymmene (UK) Ltd
Form Number: Agency Form / PP3936SQ /A3 /Form Dated May 06

Reporting of Continuously Monitored Emissions to Air for Hydrogen Chloride Emission Point A20 for the month of April 2016

Daily and 30 min

Average monitoring

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



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		--	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
	Monthly maximum	4.6		2.9	3.1	3.2	--	2.9	4.6	3.4	3.6	3.7	3.3	3.3	3.1	3.2	3.0	3.2	3.0	3.4	3.6	3.0	3.1	3.6	3.4	3.3	3.3	3.2	3.3	2.9	3.3	3.4	3.3	
	Monthly mean	2.8		2.7	2.7	2.8	--	2.3	2.4	2.8	2.9	2.9	2.7	2.7	2.7	2.8	2.6	2.7	2.7	2.9	3.0	2.6	2.7	2.9	2.9	2.9	2.7	2.7	2.7	2.6	2.6	2.8	2.9	
	Monthly minimum	0.0		2.5	2.4	2.5	--	0.0	1.9	2.4	2.6	2.6	2.3	1.9	2.4	2.5	2.4	2.0	2.5	2.5	2.4	1.9	2.5	2.6	2.5	2.4	2.7	1.4	2.5	2.4	2.3	2.5	2.4	
	Total invalid results	1		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
24 hour		--	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
	Monthly maximum	3.0		2.7	2.7	2.8	--	2.3	2.4	2.8	2.9	2.9	2.7	2.7	2.7	2.8	2.6	2.7	2.7	2.9	3.0	2.6	2.7	2.9	2.9	2.9	2.7	2.7	2.7	2.6	2.6	2.8	2.9	
	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	
	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	
	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

10/5/16

Date.....

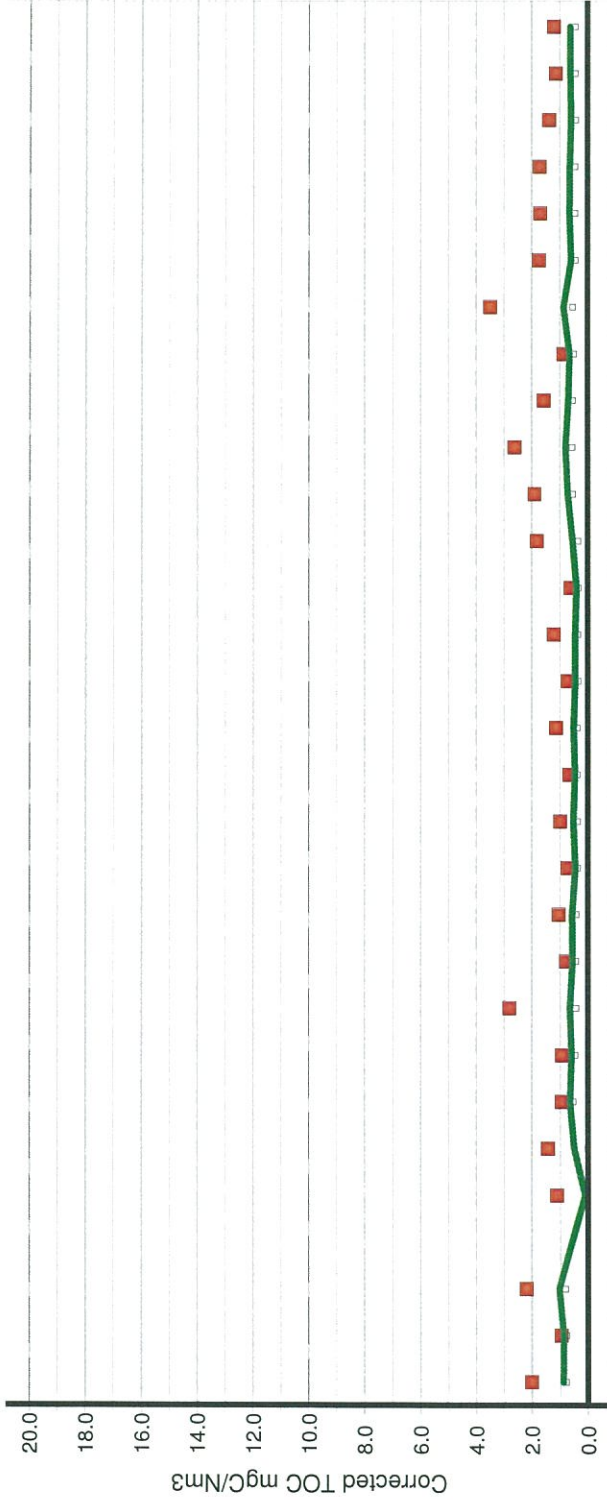
Signed
(Authorised to sign as representative of Operator)

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

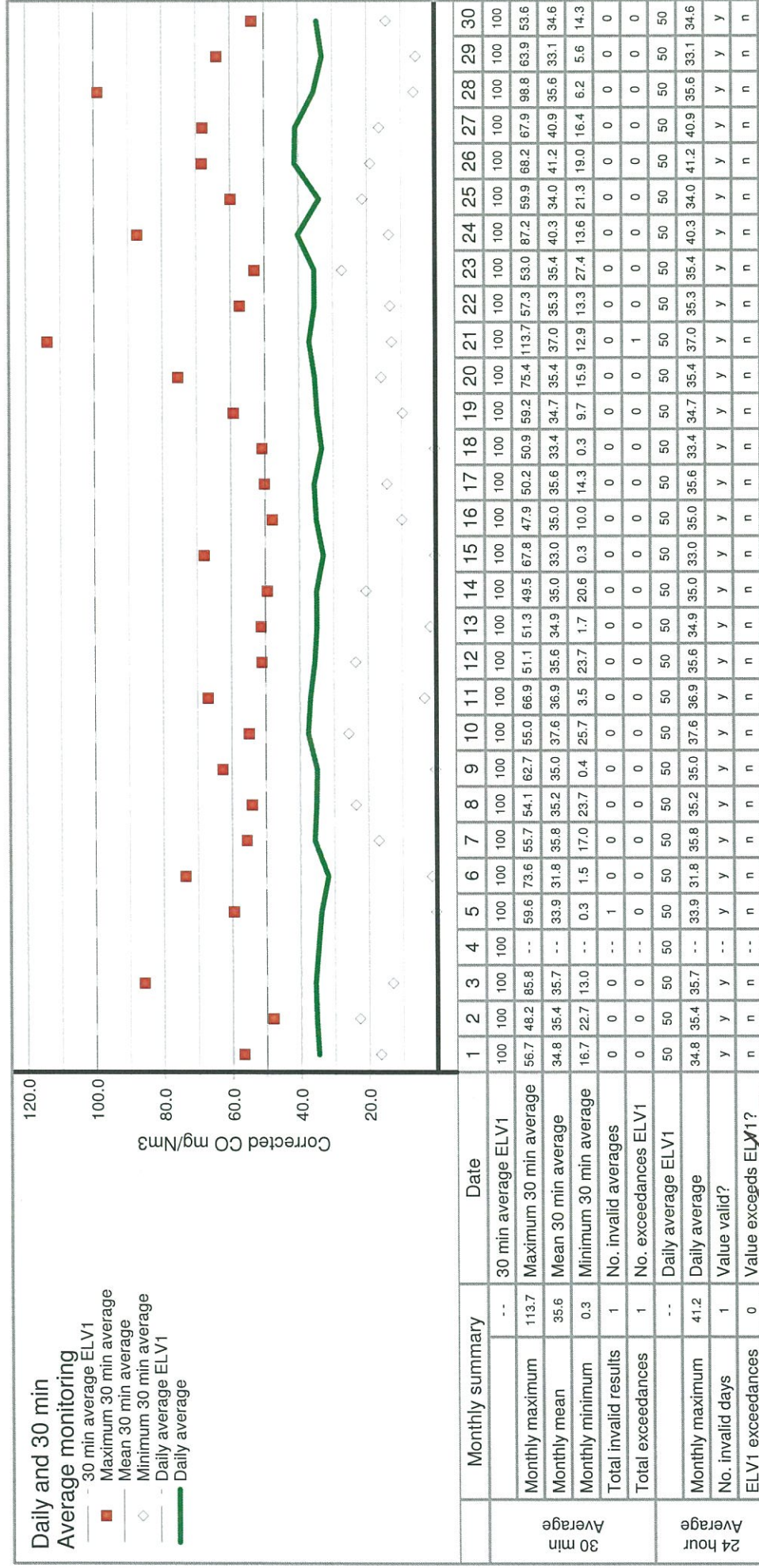


Monthly summary		Date	
30 min Average	Monthly maximum	--	--
	Monthly mean	3.5	0.6
	Monthly minimum	0.0	0.0
	Total invalid results	1	No. invalid averages
24 hour Average	Total exceedances	0	No. exceedances ELV1
	Monthly maximum	--	Daily average ELV1
	No. invalid days	1	Daily average
	ELV1 exceedances	0	Value valid?

Signed
(Authorised to sign as representative of Operator)

Date 10/5/16

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



Signed  Date 10/5/18
(Authorised to sign as representative of Operator)

Permit Reference Number: PP3936SQ
Installation: Shotton Paper Mill

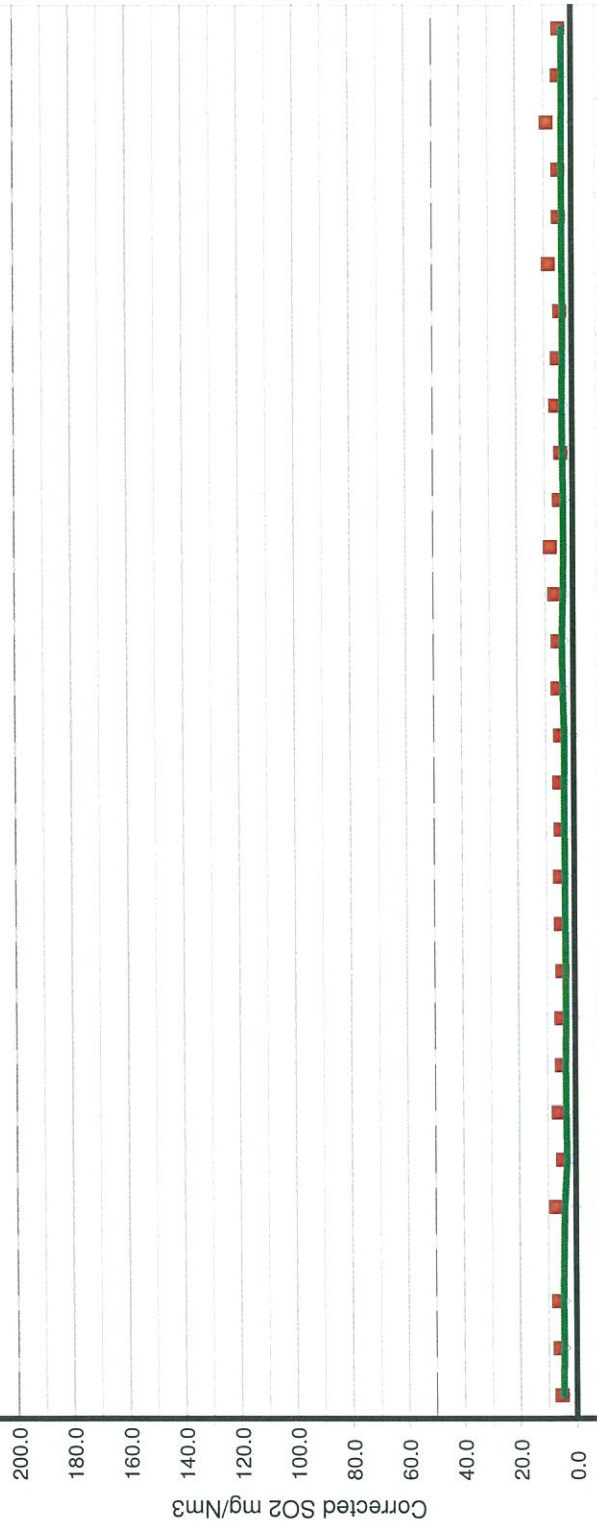
Operator: UPM-Kymmene (UK) Ltd
Form Number: Agency Form / PP3936SQ / A6 / Form Dated May 06

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

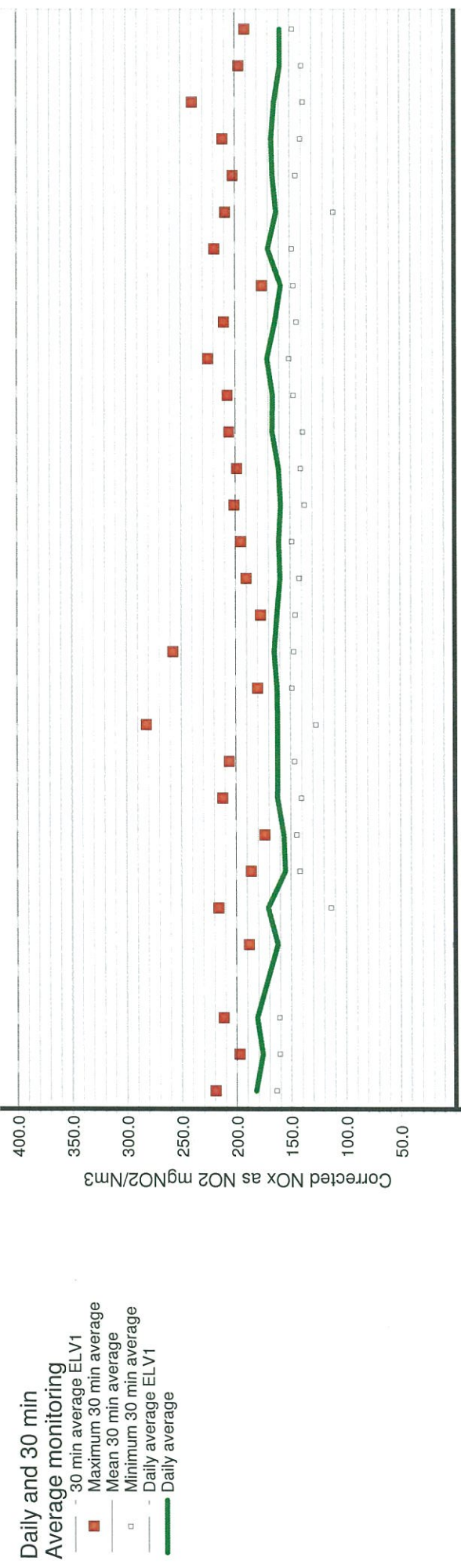


Average	Monthly summary		Date																														
	--		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
30 min		30 min average ELV1	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200	200
	Monthly maximum	8.8	5.3	5.9	6.3	--	7.1	4.5	5.9	4.7	4.9	4.4	4.8	5.0	4.7	5.2	4.7	5.5	5.3	6.6	8.0	4.7	4.1	5.8	5.1	4.2	8.3	4.6	4.7	8.8	4.8	4.5	
	Monthly mean	3.6	4.7	4.5	4.6	--	4.0	3.2	3.4	3.4	3.2	3.3	3.3	3.4	3.4	3.4	3.4	3.8	4.0	3.6	3.3	3.4	3.6	3.6	3.5	3.3	3.5	3.4	3.6	3.5	3.3	3.5	
	Monthly minimum	0.0	4.2	3.9	4.1	--	0.0	1.4	2.9	3.0	0.0	2.9	2.3	2.9	3.0	2.9	0.0	3.3	3.1	3.0	2.9	2.9	3.1	3.1	3.0	2.6	3.1	3.1	3.2	2.9	2.9	3.0	
Average <td>Total invalid results</td> <td>1</td> <td>0</td> <td>0</td> <td>0</td> <td>--</td> <td>1</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td>	Total invalid results	1	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
	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
24 hour		--	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	50
	Monthly maximum	4.7	4.5	4.6	--	4.0	3.2	3.4	3.4	3.4	3.2	3.3	3.3	3.4	3.4	3.4	3.4	3.8	4.0	3.6	3.3	3.4	3.6	3.6	3.5	3.3	3.5	3.4	3.6	3.5	3.3	3.5	
24 hour	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	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

Signed
(Authorised to sign as representative of Operator)

Date: 10/5/16

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



30 min 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	
30 min Average	Monthly maximum	281.9	219.4	197.3	211.9	--	188.3	216.1	186.4	173.7	212.2	206.2	281.9	179.8	257.5	177.2	190.1	195.1	201.1	198.7	205.8	207.3	225.0	210.4	175.5	219.0	209.1	202.1	211.4	239.2	196.4	190.8	
	Monthly mean	164.4	182.3	176.0	181.0	--	162.0	170.8	155.1	156.5	162.1	161.9	161.9	162.3	164.7	162.3	159.4	160.5	158.8	160.5	166.1	165.7	170.8	163.4	158.4	170.0	162.4	165.5	166.7	163.9	158.8	158.6	
	Monthly minimum	0.4	163.5	160.6	160.7	--	0.4	113.4	141.9	144.7	140.2	146.6	126.8	148.7	146.9	145.5	141.9	148.5	137.0	140.5	138.6	145.9	150.8	144.1	146.8	148.0	110.3	144.6	140.3	137.8	139.3	147.3	
	Total invalid results	1	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	
	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
24 hour Average	Monthly maximum	182.3	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	200
	Daily average	182.3	176.0	181.0	--	162.0	170.8	155.1	156.5	162.1	161.9	161.9	162.3	164.7	162.3	159.4	160.5	158.8	160.5	166.1	165.7	170.8	163.4	158.4	170.0	162.4	165.5	166.7	163.9	158.8	158.6		
	Value valid?	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
	No. invalid days	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
	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

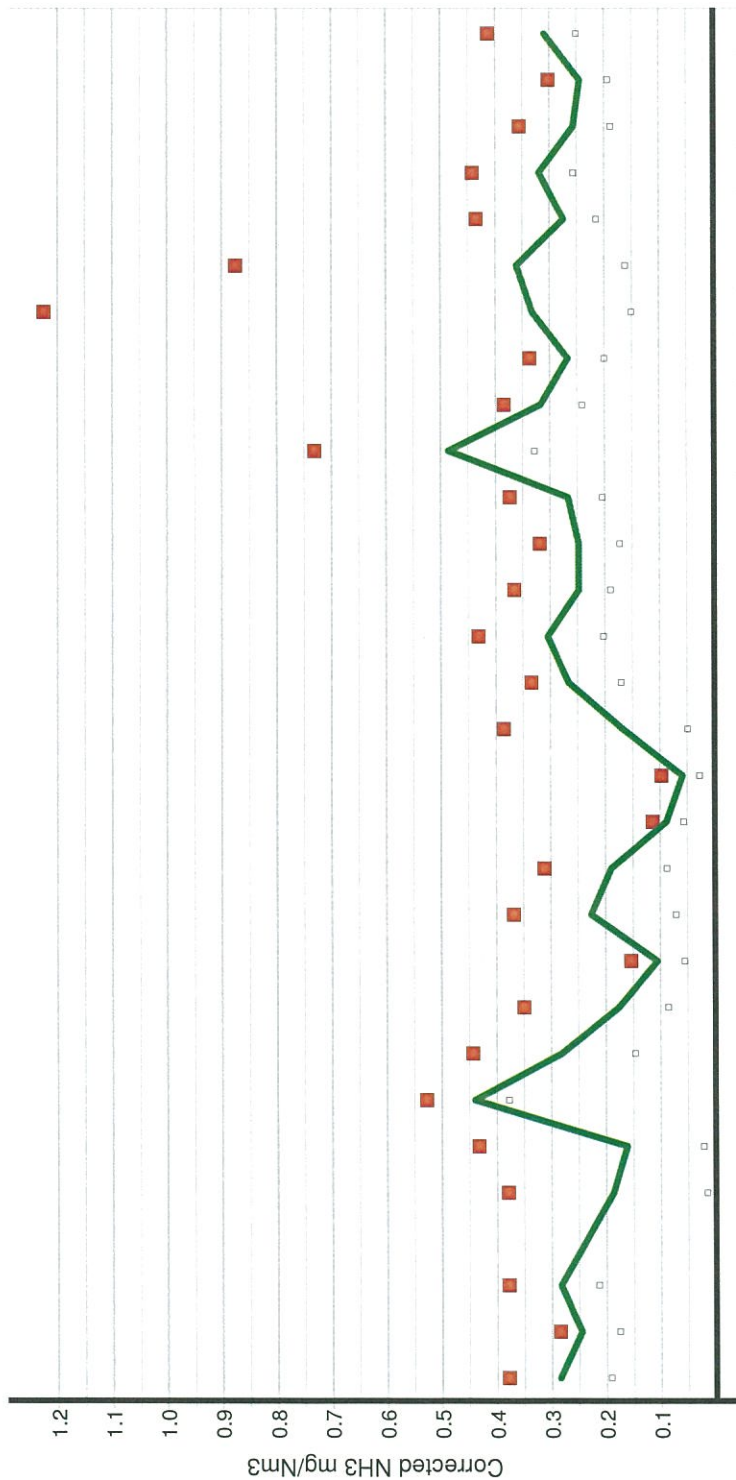
Signed
(Authorised to sign as representative of Operator)

Date: 10/5/16

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

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	1.2	0.4	0.3	0.4	--	0.4	0.4	0.5	0.4	0.3	0.2	0.4	0.3	0.1	0.1	0.4	0.3	0.4	0.3	0.4	0.7	0.4	0.3	1.2	0.9	0.4	0.4	0.3	0.4				
Monthly mean	0.3	0.3	0.2	0.3	--	0.2	0.2	0.4	0.3	0.2	0.1	0.2	0.2	0.1	0.1	0.2	0.3	0.3	0.2	0.2	0.3	0.5	0.3	0.3	0.3	0.4	0.3	0.3	0.2	0.3			
Monthly minimum	0.0	0.2	0.2	0.2	--	0.0	0.0	0.4	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3			
Total invalid results	1	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			
Monthly maximum	0.5	0.3	0.2	0.3	--	0.2	0.2	0.4	0.3	0.2	0.1	0.2	0.2	0.1	0.1	0.2	0.3	0.3	0.2	0.2	0.3	0.5	0.3	0.3	0.3	0.4	0.3	0.3	0.2	0.3			
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			

Signed  (Authorised to sign as representative of Operator)

Date 10/5/16