

Air Emission Monthly Report

UPM-Kymmene (UK)

Permit Number EPR/BT4885IT
Installation Shotton Paper Mill

To
Matthew Kelk
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 31st January 2019.

During the period there have not been any reportable exceedances or non conformances to report, you will note that on 7th January there are 2 invalid results.

Explanation is as follows

- i) CEMs PC hard drive changed 07th January 11.00 to 12.00 giving 2 * 30 minute invalid periods

A total of 1 hour will be added to the annual CEMs Invalidation log

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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Air Emission Monthly Report

CEMS PC hard drive replaced 0th January 11.00-12.00 giving 2* 30 minute invalid periods

Daily report for the period ending Tuesday 8 January 2019 00:00:00

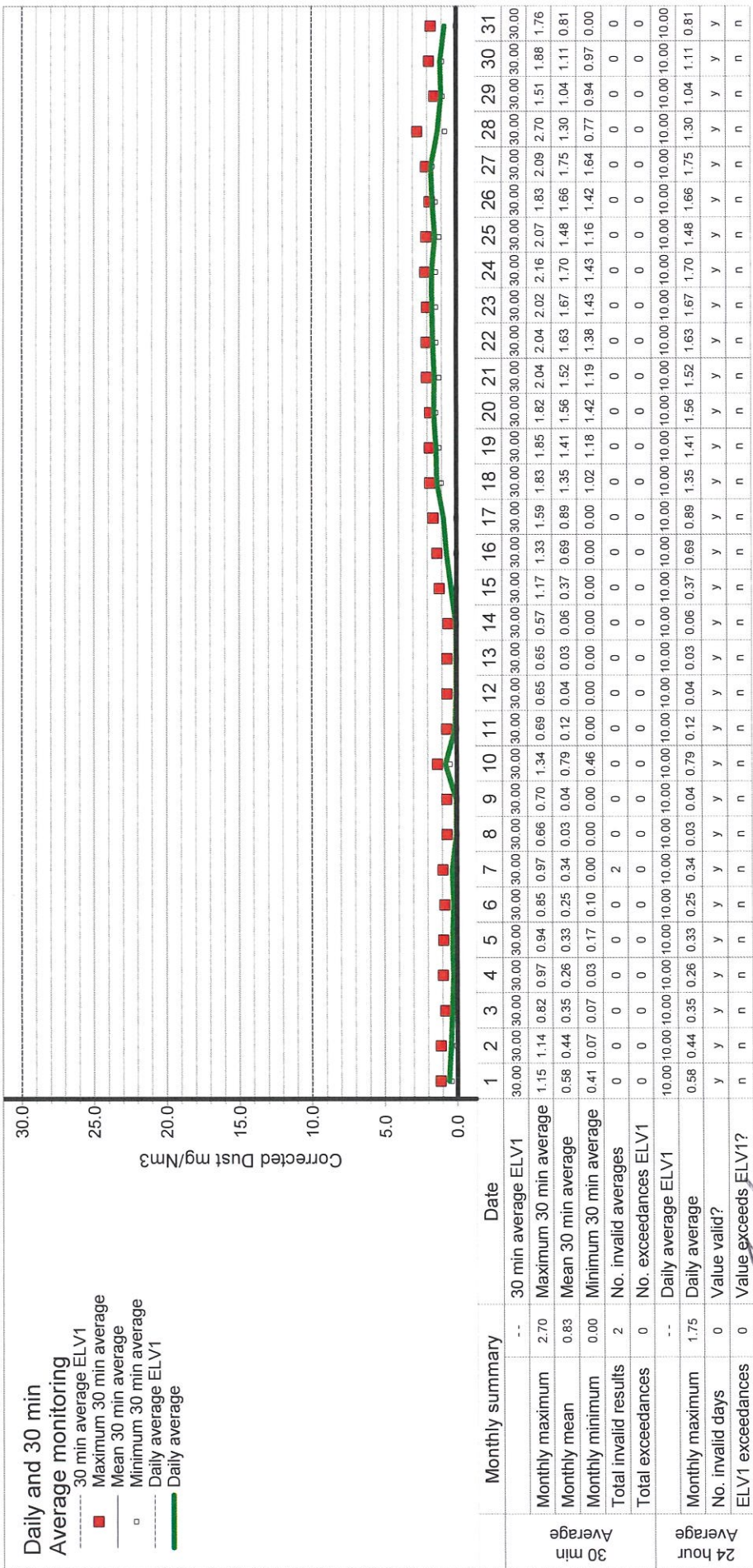
Date/Time	Corrected CO 30min averages, mg/Nm3	Corrected SO2 30min averages, mg/Nm3	Corrected HCl 30min averages, mg/Nm3	Corrected TOC 30min averages, mgC/Nm3	Corrected NOx as NO2 30min averages, mgNO2/Nm3	Corrected Dust 30min averages, mg/Nm3	Corrected NH3 30min averages, mg/Nm3
07.01.2019 00:30:00	35.3 (30)	4.5 (30)	2.1 (30)	0.7 (30)	182.2 (30)	0.3 (30)	0.3 (30)
07.01.2019 01:30:00	30.4 (30)	2.0 (30)	2.4 (30)	0.6 (30)	181.0 (30)	0.3 (30)	0.3 (30)
07.01.2019 02:30:00	32.8 (30)	1.5 (30)	2.3 (30)	0.7 (30)	184.0 (30)	0.3 (30)	0.3 (30)
07.01.2019 03:30:00	29.2 (30)	1.5 (30)	2.3 (30)	0.7 (30)	182.4 (30)	0.3 (30)	0.3 (30)
07.01.2019 04:30:00	23.9 (30)	1.5 (30)	2.4 (30)	0.6 (30)	183.0 (30)	0.3 (30)	0.3 (30)
07.01.2019 05:30:00	20.7 (30)	1.5 (30)	2.4 (30)	0.6 (30)	183.5 (30)	0.3 (30)	0.3 (30)
07.01.2019 06:30:00	44.7 (30)	2.1 (30)	2.3 (30)	0.7 (30)	174.0 (30)	0.3 (30)	0.3 (30)
07.01.2019 07:30:00	24.8 (30)	3.0 (30)	2.4 (30)	0.8 (30)	186.4 (30)	0.5 (30)	0.3 (30)
07.01.2019 08:30:00	37.4 (30)	6.2 (30)	2.3 (30)	0.5 (30)	178.3 (30)	0.3 (30)	0.2 (30)
07.01.2019 09:30:00	25.4 (30)	7.5 (30)	2.2 (30)	0.6 (30)	178.1 (30)	0.4 (30)	0.2 (30)
07.01.2019 10:30:00	47.7 (30)	3.6 (30)	2.3 (30)	1.0 (30)	187.0 (30)	0.5 (30)	0.3 (30)
07.01.2019 11:30:00	10.0 (30)	5.8 (30)	2.4 (30)	0.5 (30)	213.9 (30)	0.4 (30)	0.2 (30)
07.01.2019 12:30:00	23.0 (30)	7.4 (30)	2.2 (30)	0.6 (30)	187.1 (30)	0.4 (30)	0.2 (30)
07.01.2019 13:30:00	26.4 (30)	7.6 (30)	2.3 (30)	0.5 (30)	187.1 (30)	0.4 (30)	0.2 (30)
07.01.2019 14:30:00	24.9 (23) *	8.2 (23) *	2.1 (23) *	0.5 (23) *	222.2 (23) *	0.3 (23) *	0.2 (23) *
07.01.2019 15:30:00	28.6 (30)	3.1 (30)	2.2 (30)	0.6 (30)	178.1 (30)	0.4 (30)	0.2 (30)
07.01.2019 16:30:00	27.9 (30)	1.7 (30)	2.3 (30)	0.6 (30)	182.1 (30)	0.5 (30)	0.3 (30)
07.01.2019 17:30:00	34.4 (30)	1.7 (30)	2.2 (30)	0.6 (30)	165.1 (30)	0.5 (30)	0.3 (30)
07.01.2019 18:30:00	26.3 (27) *	3.5 (27) *	2.0 (27) *	0.5 (27) *	197.5 (27) *	0.3 (27) *	0.2 (27) *
07.01.2019 19:30:00	28.3 (30)	1.8 (30)	2.1 (30)	0.5 (30)	177.7 (30)	0.3 (30)	0.3 (30)
07.01.2019 20:30:00	33.3 (30)	5.7 (30)	2.1 (30)	0.5 (30)	184.9 (30)	0.0 (30)	0.3 (30)
07.01.2019 21:30:00	26.6 (30)	0.6 (30)	2.7 (30)	0.4 (30)	170.6 (30)	0.5 (30)	0.3 (30)
07.01.2019 22:30:00	33.0 (30)	6.3 (30)	1.8 (30)	0.5 (30)	176.3 (30)	0.4 (30)	0.2 (30)
07.01.2019 23:30:00	20.1 (30)	6.4 (30)	1.9 (30)	0.4 (30)	188.9 (30)	0.1 (30)	0.2 (30)
07.01.2019 00:30:00	50.4 (30)	6.6 (30)	1.9 (30)	0.8 (30)	163.4 (30)	0.0 (30)	0.2 (30)
07.01.2019 01:30:00	12.6 (30)	6.5 (30)	1.9 (30)	0.3 (30)	207.5 (30)	0.0 (30)	0.2 (30)
07.01.2019 02:30:00	15.2 (30)	6.7 (30)	2.0 (30)	0.4 (30)	201.7 (30)	0.1 (30)	0.2 (30)
07.01.2019 03:30:00	15.6 (28) *	6.6 (28) *	2.0 (28) *	0.4 (28) *	175.6 (28) *	0.4 (28) *	0.2 (28) *
07.01.2019 04:30:00	37.8 (30)	7.6 (30)	2.1 (30)	1.1 (30)	173.0 (30)	0.6 (30)	0.2 (30)
07.01.2019 05:30:00	30.3 (30)	7.4 (30)	2.0 (30)	0.9 (30)	190.3 (30)	1.0 (30)	0.2 (30)
07.01.2019 06:30:00	32.0 (30)	6.5 (30)	1.9 (30)	0.8 (30)	182.7 (30)	0.7 (30)	0.2 (30)
07.01.2019 07:30:00	15.2 (30)	6.8 (30)	1.8 (30)	0.7 (30)	190.0 (30)	0.5 (30)	0.2 (30)
07.01.2019 08:30:00	35.6 (30)	6.5 (30)	1.9 (30)	0.5 (30)	180.7 (30)	0.6 (30)	0.2 (30)
07.01.2019 09:30:00	19.9 (30)	6.5 (30)	2.0 (30)	0.7 (30)	180.2 (30)	0.5 (30)	0.2 (30)
07.01.2019 10:30:00	21.1 (30)	6.5 (30)	1.9 (30)	0.7 (30)	183.2 (30)	0.5 (30)	0.2 (30)
07.01.2019 11:30:00	33.7 (30)	7.1 (30)	2.0 (30)	0.8 (30)	171.5 (30)	0.6 (30)	0.2 (30)
07.01.2019 12:30:00	30.6 (30)	7.1 (30)	1.9 (30)	0.8 (30)	180.0 (30)	0.6 (30)	0.2 (30)
07.01.2019 13:30:00	19.3 (30)	7.6 (30)	2.1 (30)	0.7 (30)	178.7 (30)	0.7 (30)	0.3 (30)
07.01.2019 14:30:00	37.6 (30)	5.6 (30)	2.1 (30)	0.5 (30)	176.2 (30)	0.0 (30)	0.3 (30)
07.01.2019 15:30:00	18.9 (30)	1.5 (30)	2.2 (30)	0.7 (30)	190.8 (30)	0.0 (30)	0.3 (30)
07.01.2019 16:30:00	34.0 (30)	4.8 (30)	2.1 (30)	0.6 (30)	173.3 (30)	0.0 (30)	0.3 (30)
07.01.2019 17:30:00	13.3 (30)	6.6 (30)	2.1 (30)	0.7 (30)	185.0 (30)	0.0 (30)	0.2 (30)
07.01.2019 18:30:00	33.6 (30)	2.3 (30)	2.0 (30)	0.8 (30)	167.4 (30)	0.0 (30)	0.3 (30)
07.01.2019 19:30:00	34.5 (30)	3.3 (30)	2.1 (30)	0.5 (30)	196.3 (30)	0.0 (30)	0.3 (30)
07.01.2019 20:30:00	37.7 (30)	2.3 (30)	2.1 (30)	1.1 (30)	177.3 (30)	0.0 (30)	0.3 (30)
08.01.2019 00:00:00	15.6 (30)	1.5 (30)	2.2 (30)	0.7 (30)	174.0 (30)	0.0 (30)	0.3 (30)

Averages marked '*' are valid but discretionary

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 January 2019

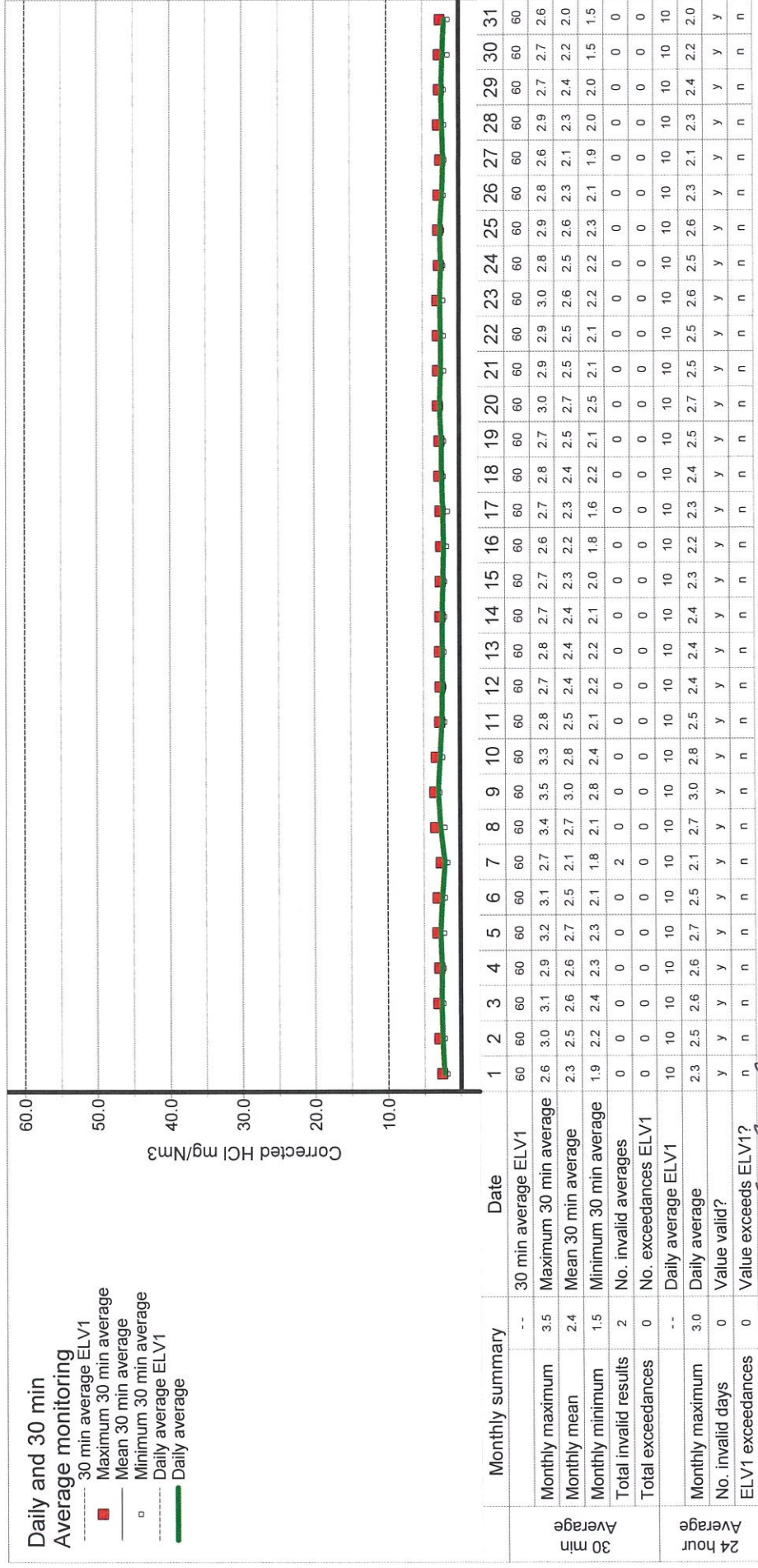


Signed Date: 26/4/19
(Authorised to sign as representative of Operator)

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 January 2019



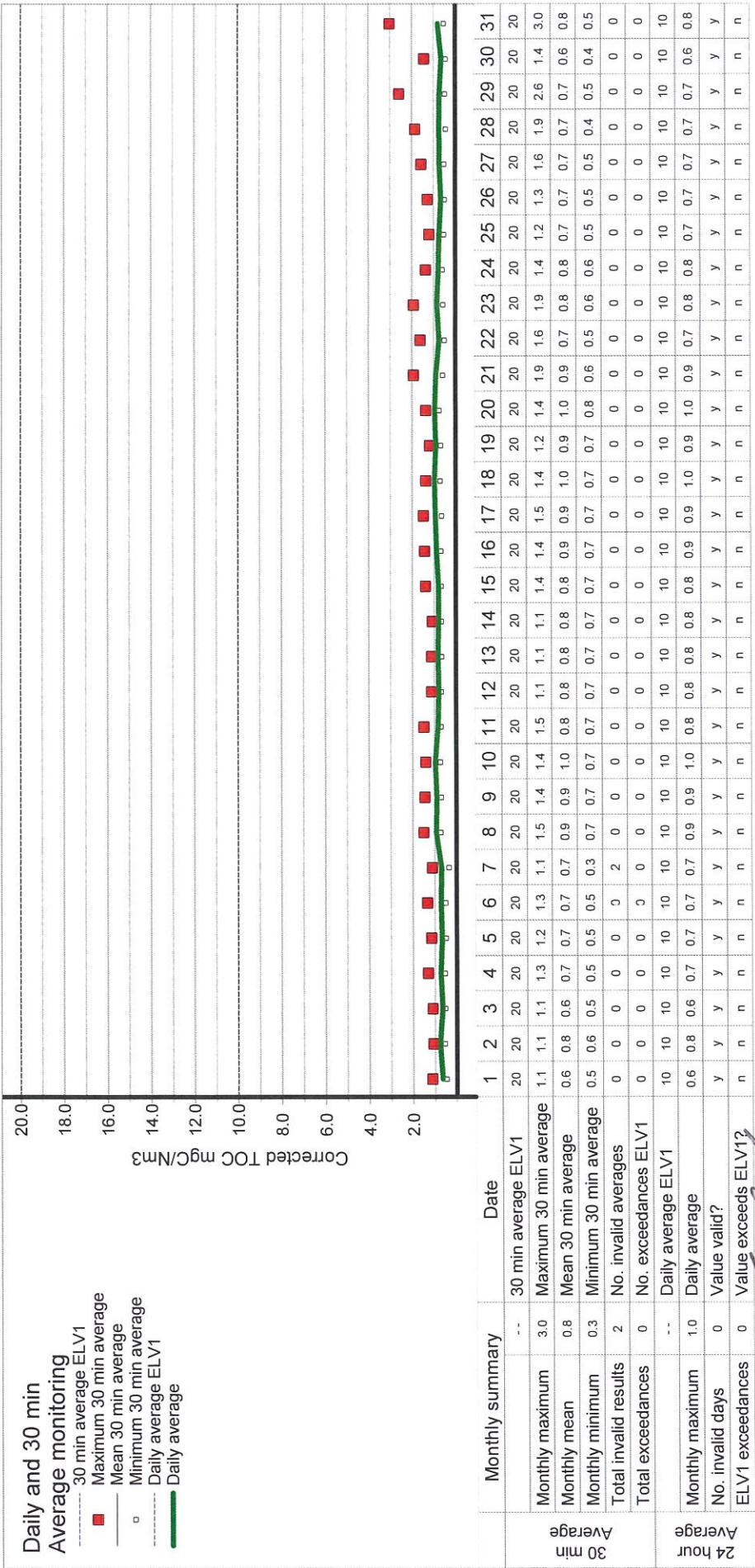
Signed
(Authorised to sign as representative of Operator)

Date: 26/4/19

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 January 2019



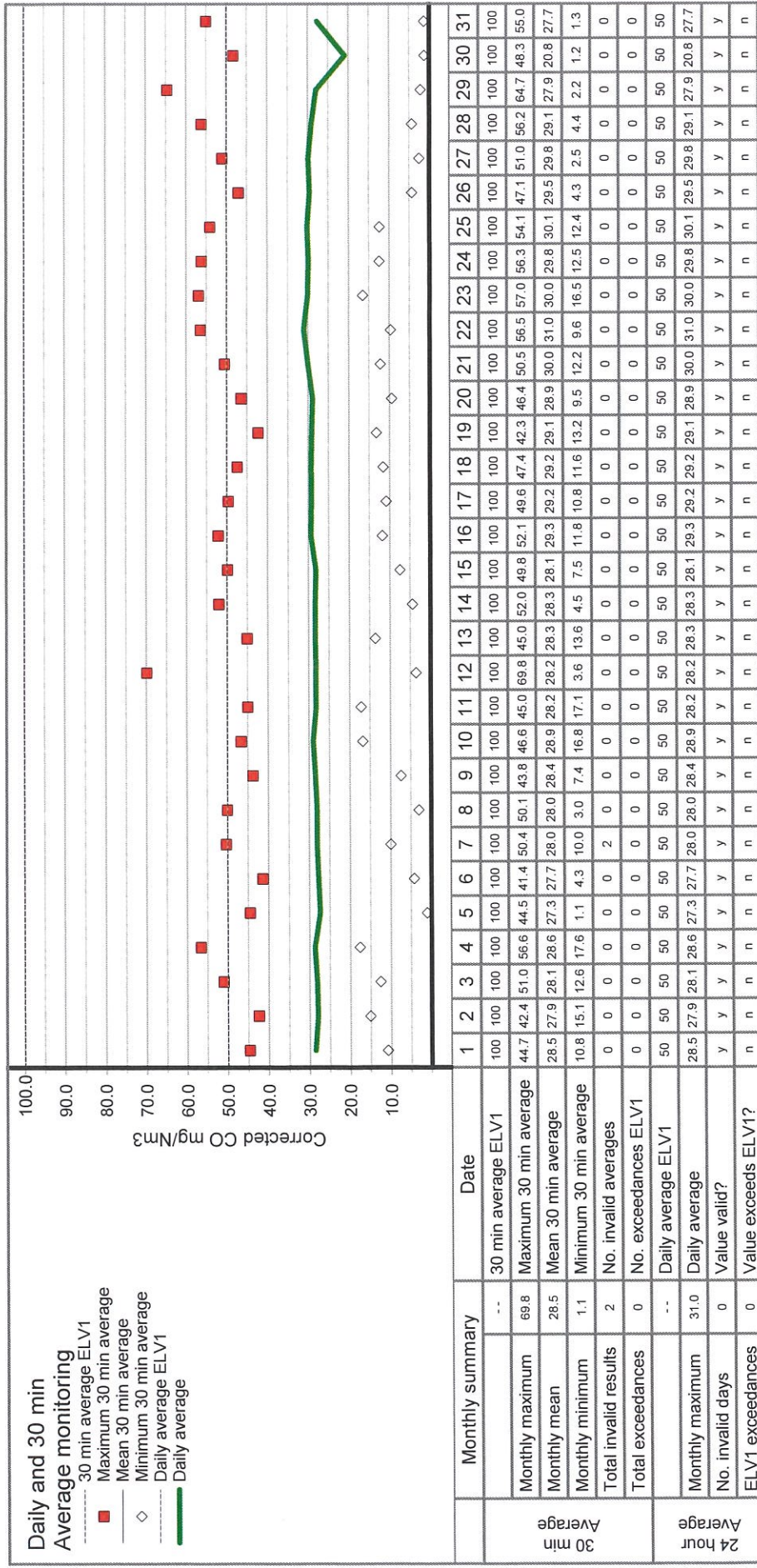
Signed
(Authorised to sign as representative of Operator)

Date: 26/4/19

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 January 2019



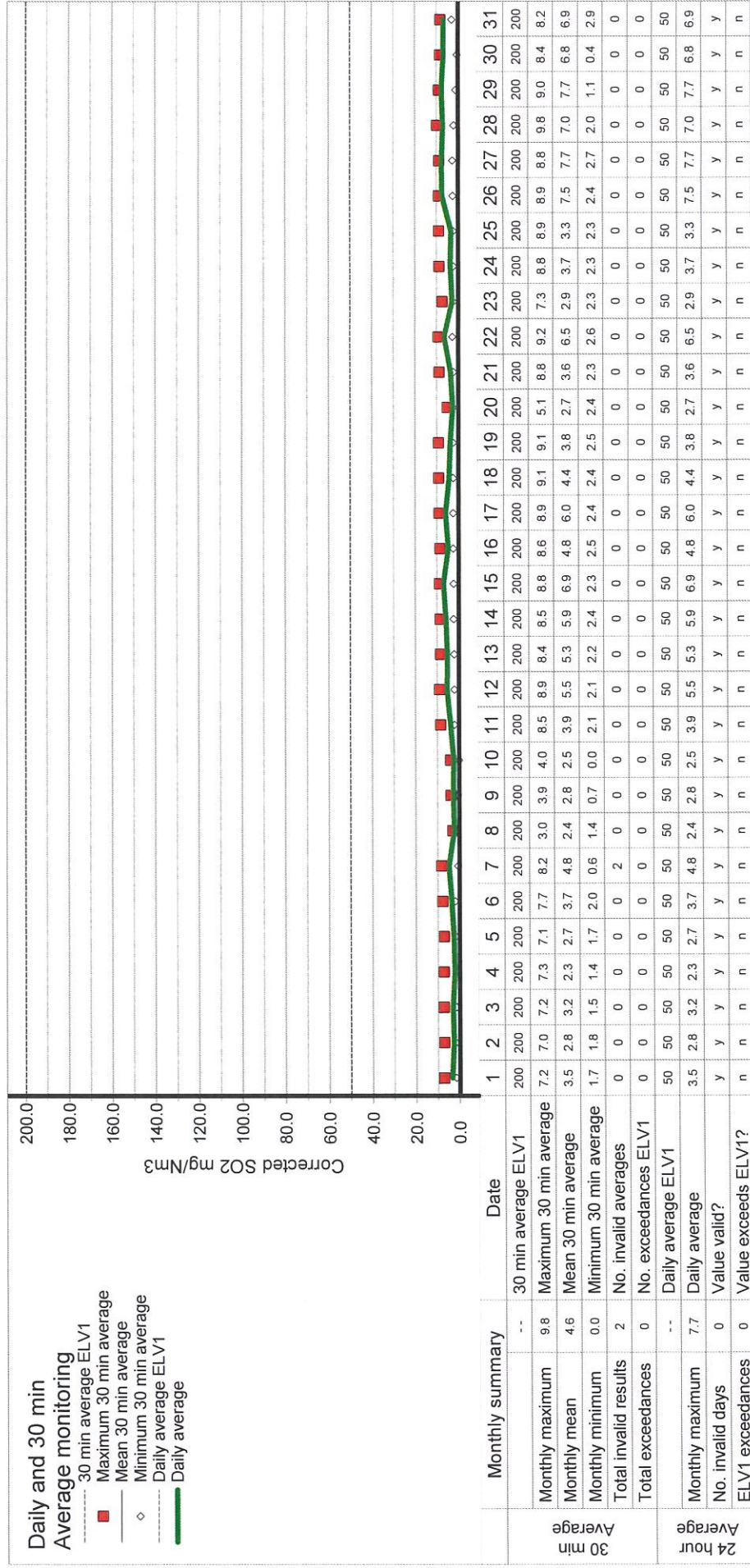
Signed
(Authorised to sign as representative of Operator)

Date: 25/4/19

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 January 2019



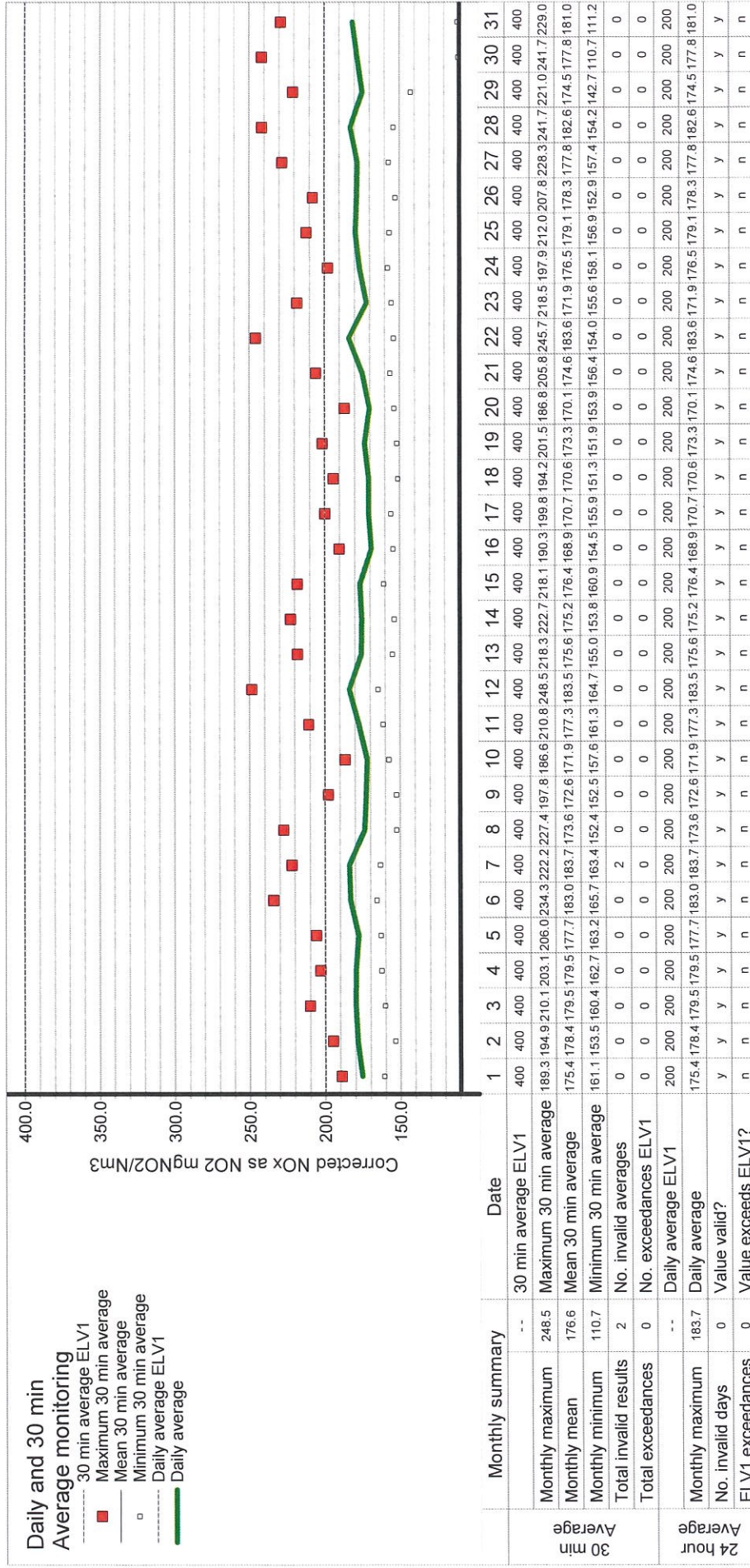
Signed  (Authorised to sign as representative of Operator)

Date: 26/4/19

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 January 2019



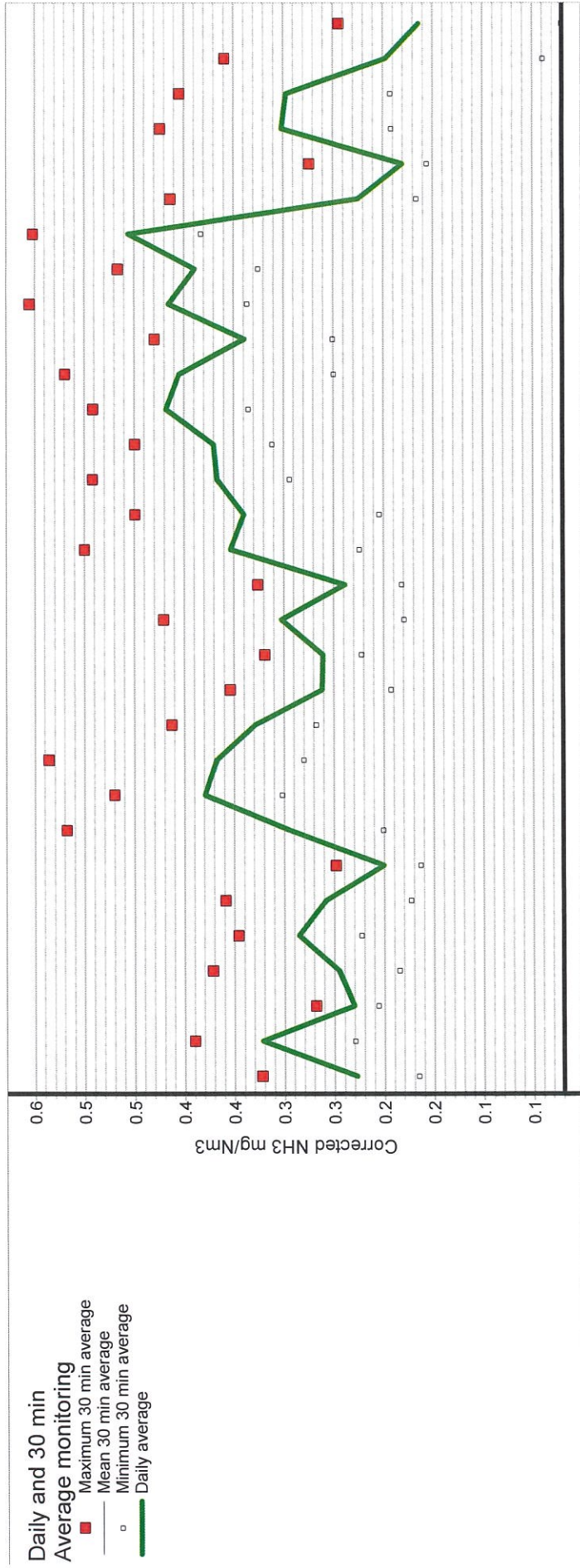
Signed  (Authorised to sign as representative of Operator)

Date 28/4/19

Permit Reference Number: PP3936SQ
Installation: Shotton Paper Mill

Operator: UPM-Kymmene (UK) Ltd
Form Number: Agency Form / PP3936SQ /A8 /Form Dated May 06

Reporting of Continuously Monitored Emissions to Air for Ammonia Emission Point A20 for the month of January 2019



	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	0.6	Maximum 30 min average		0.4	0.4	0.3	0.4	0.4	0.4	0.3	0.6	0.5	0.6	0.5	0.4	0.4	0.5	0.4	0.5	0.5	0.5	0.5	0.6	0.5	0.6	0.5	0.6	0.5	0.3	0.5	0.5	0.4	0.3	
30 min average	Monthly mean	0.4	Mean 30 min average		0.3	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.3	0.3	0.4	0.3	0.4	0.4	0.4	0.5	0.5	0.4	0.5	0.4	0.5	0.3	0.2	0.4	0.3	0.2	0.2	
	Monthly minimum	0.1	Minimum 30 min average		0.2	0.3	0.3	0.2	0.3	0.2	0.2	0.3	0.4	0.3	0.3	0.2	0.3	0.2	0.2	0.3	0.3	0.4	0.4	0.3	0.3	0.4	0.4	0.4	0.2	0.2	0.2	0.2	0.1	0.1	
	Total invalid results	2	No. invalid averages		0	0	0	0	0	0	2	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	0.5	Daily average		0.3	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.3	0.3	0.4	0.3	0.4	0.4	0.4	0.5	0.5	0.4	0.5	0.4	0.5	0.3	0.2	0.4	0.3	0.2	0.2	
	No. invalid days	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
(Authorised to sign as representative of Operator)

Date: 26/4/19