

Month End Report

UPM-Kymmene (UK)

Permit Reference PP3936SQ
Installation Shotton Paper

To
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Natural Resources Wales
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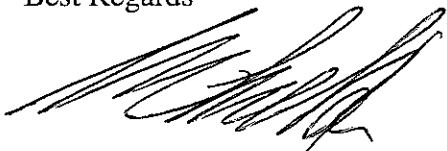
Please find enclosed graphs / reports for Continuously Monitored Emissions to Air A2 to A8 for the period ending 28th February 2018.

During the period there have not been any reportable exceedances or non conformances to report, you will however note a couple of periods lacking data

- i) From Friday 2nd February until Monday 5th February inclusive, the Boiler was shutdown due to another leak within Economiser 2
- ii) Wednesday 14th February the CEMs system was off line from 15.00 until 15.30 to allow some changes to the control room layout which required the CEMs to be off line. This will be added to the 2018 CEMS downtime log

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

Best Regards



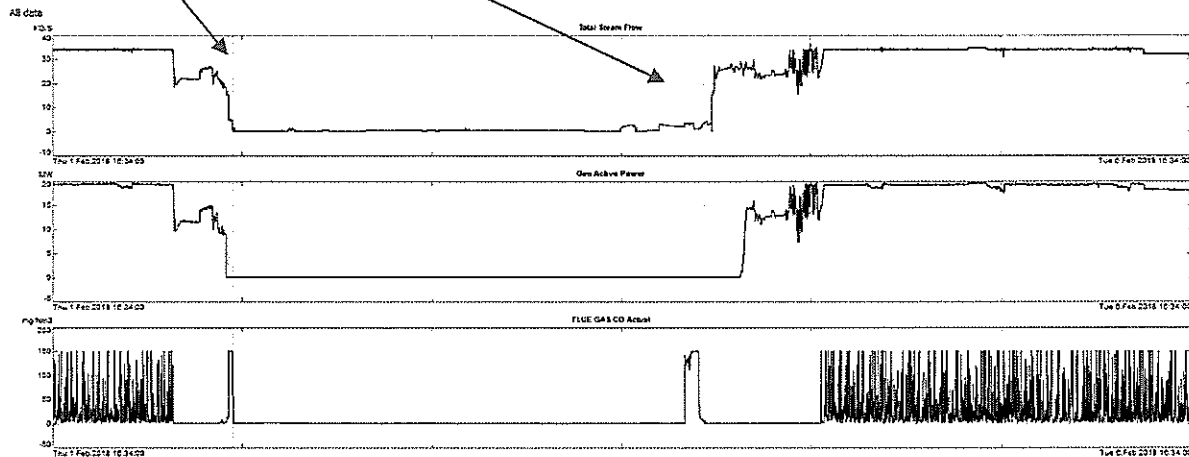
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UPM (UK) Shotton

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Month End Report

Exceedance Data

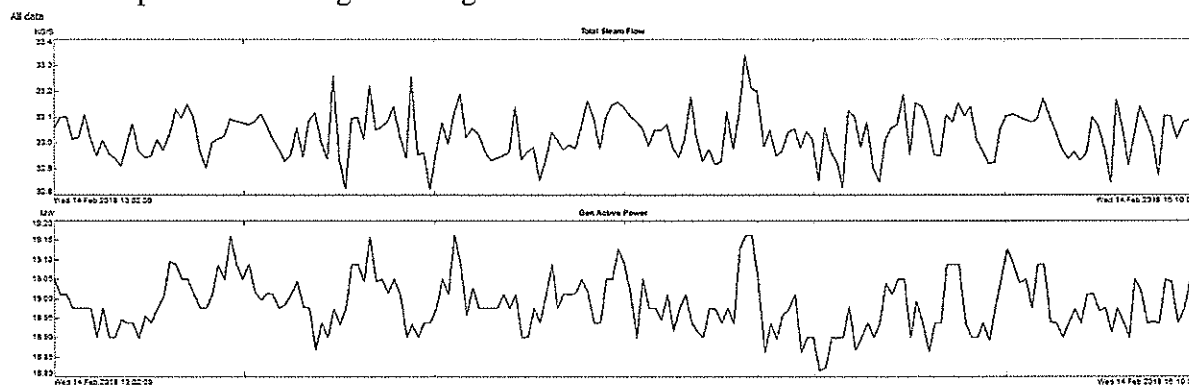
2nd February and 4th February occurred whilst Boiler was off solid fuel and on gas to allow slow depressurising prior to maintenance



CEMS Unit Offline

14-02-2018 14:00:00	52.1 (30)	6.5 (30)	2.0 (30)	0.7 (30)	180.1 (30)	0.0 (30)	0.3 (30)
14-02-2018 14:30:00	23.1 (30)	7.2 (30)	2.0 (30)	0.2 (30)	180.7 (30)	0.0 (30)	0.3 (30)
14-02-2018 15:00:00	19.7 (30)	3.4 (30)	2.0 (30)	0.2 (30)	193.9 (30)	0.0 (30)	0.3 (30)
14-02-2018 16:00:00	38.0 (30)	2.5 (30)	2.1 (30)	0.3 (30)	173.6 (30)	0.0 (30)	0.3 (30)
14-02-2018 16:30:00	27.9 (30)	2.5 (30)	2.1 (30)	0.2 (30)	174.0 (30)	0.0 (30)	0.3 (30)
14-02-2018 17:00:00	29.7 (30)	2.7 (30)	2.1 (30)	0.3 (30)	170.2 (30)	0.0 (30)	0.3 (30)

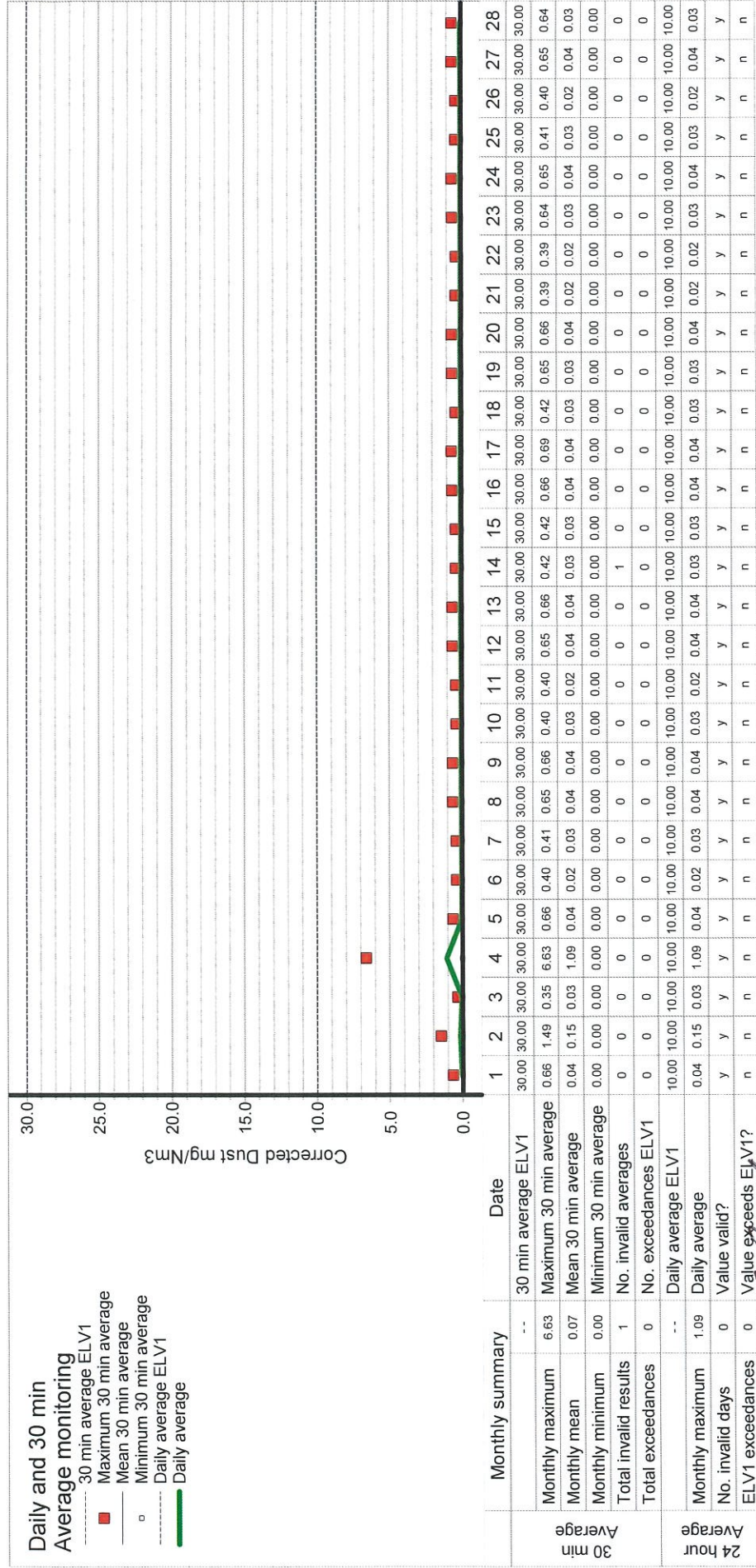
Boiler output stable during the outage



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 February 2018



4/5/18

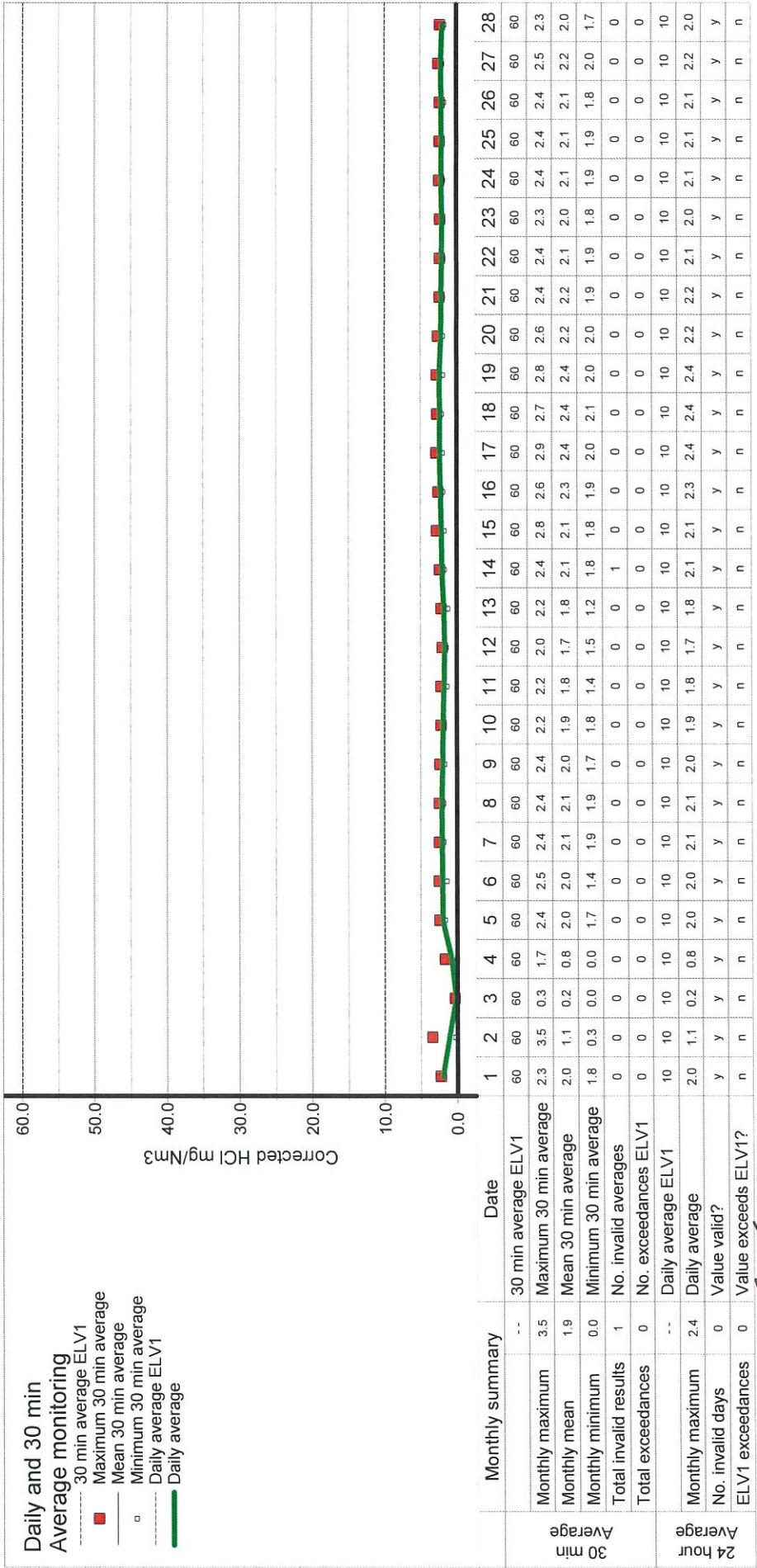
Signed
(Authorised to sign as representative of Operator)

Date: 4/5/18

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 February 2018



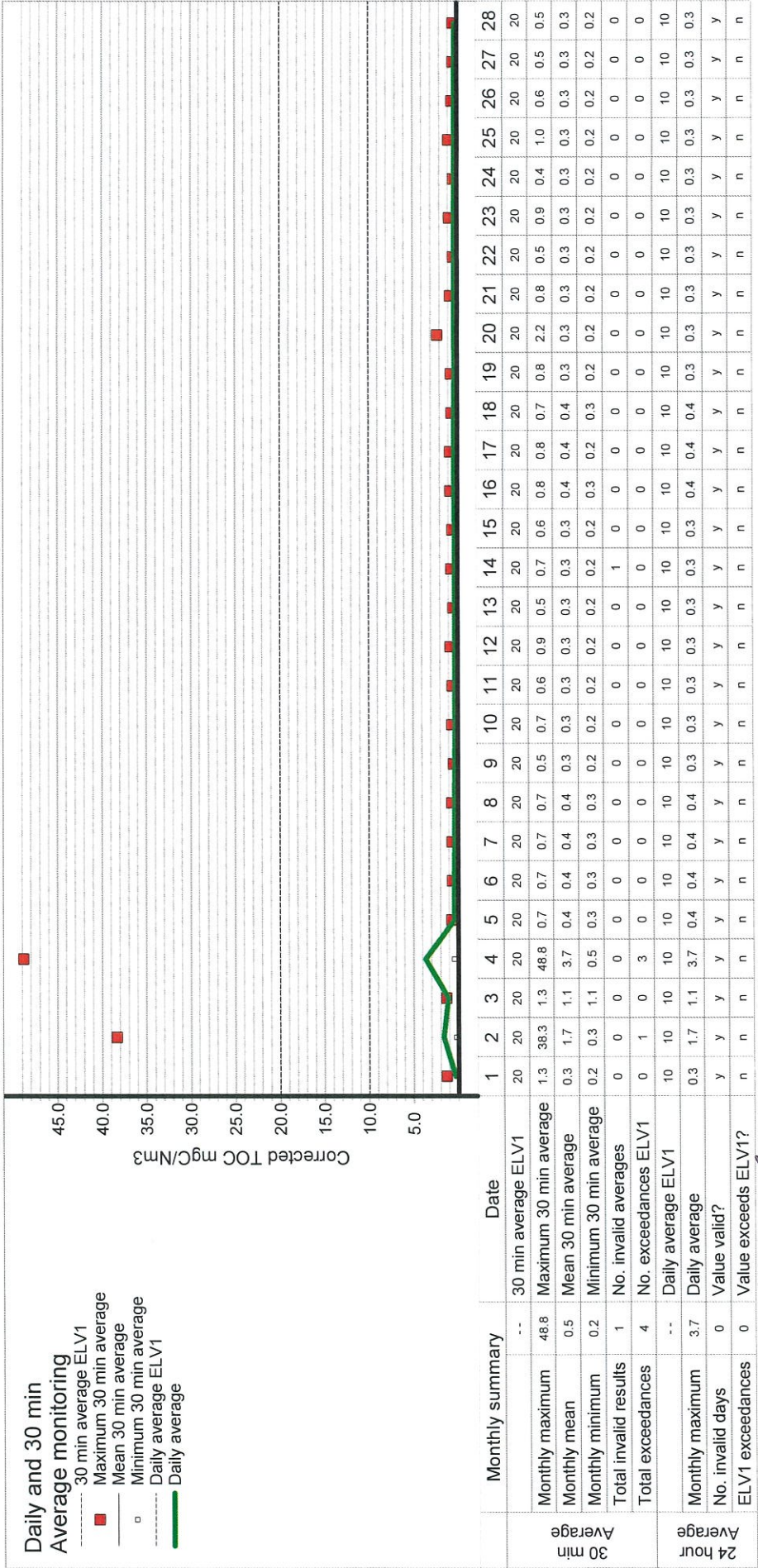
Signed
(Authorised to sign as representative of Operator)

Date 4/5/18

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 February 2018



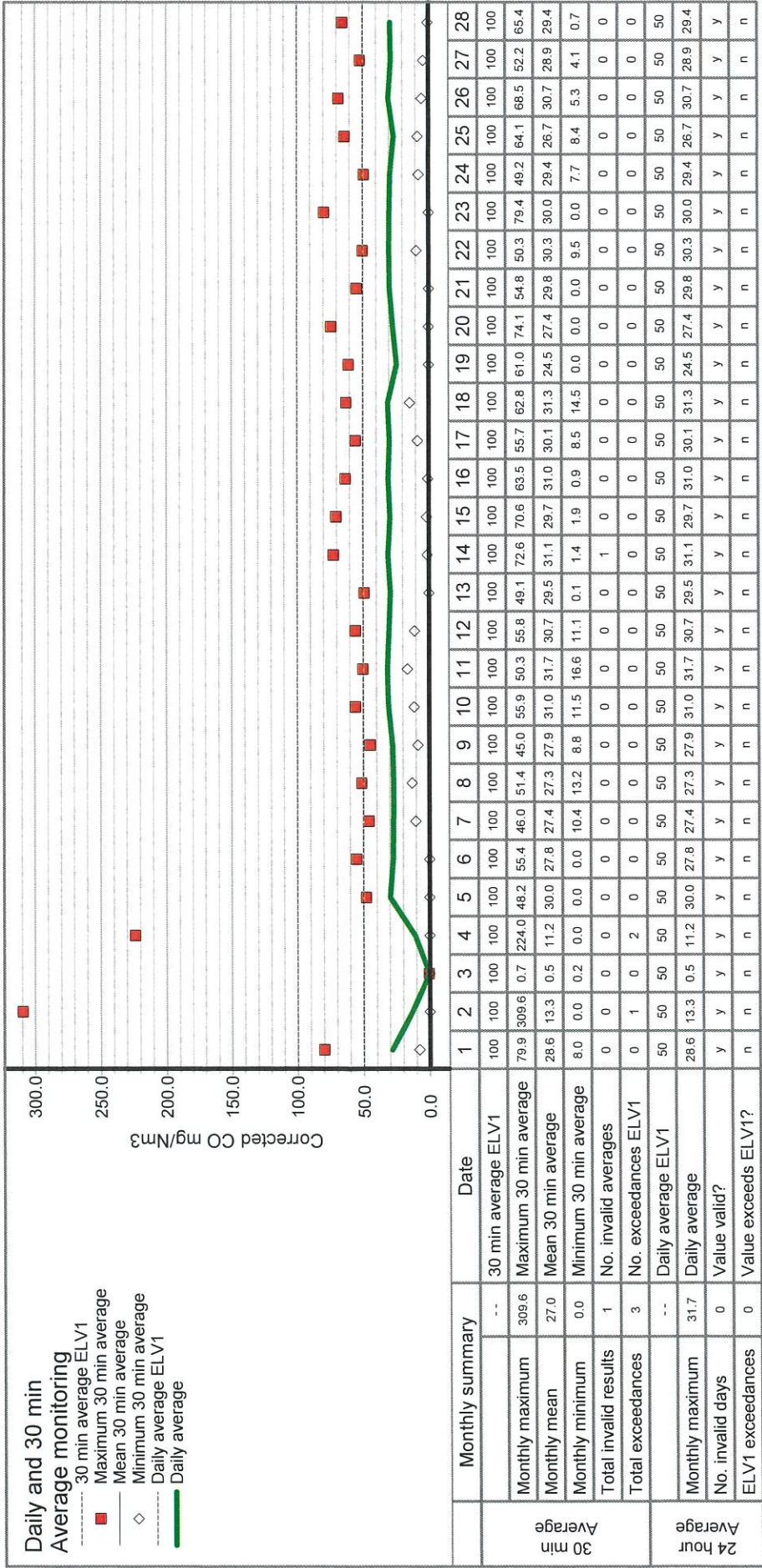
Signed
(Authorised to sign as representative of Operator)

Date: 4/5/18

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 February 2018



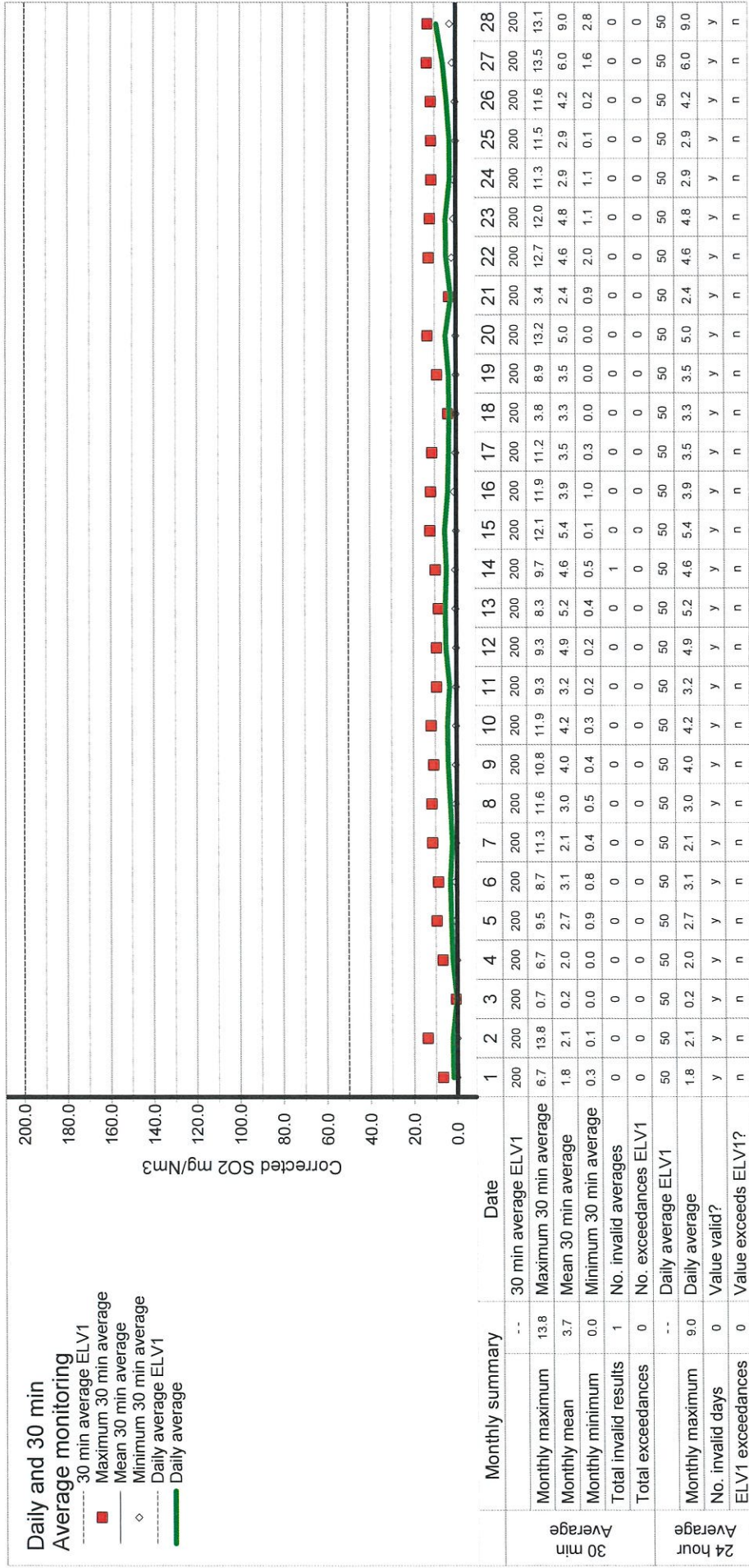
Signed
(Authorised to sign as representative of Operator)

Date: 4/5/18

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 February 2018



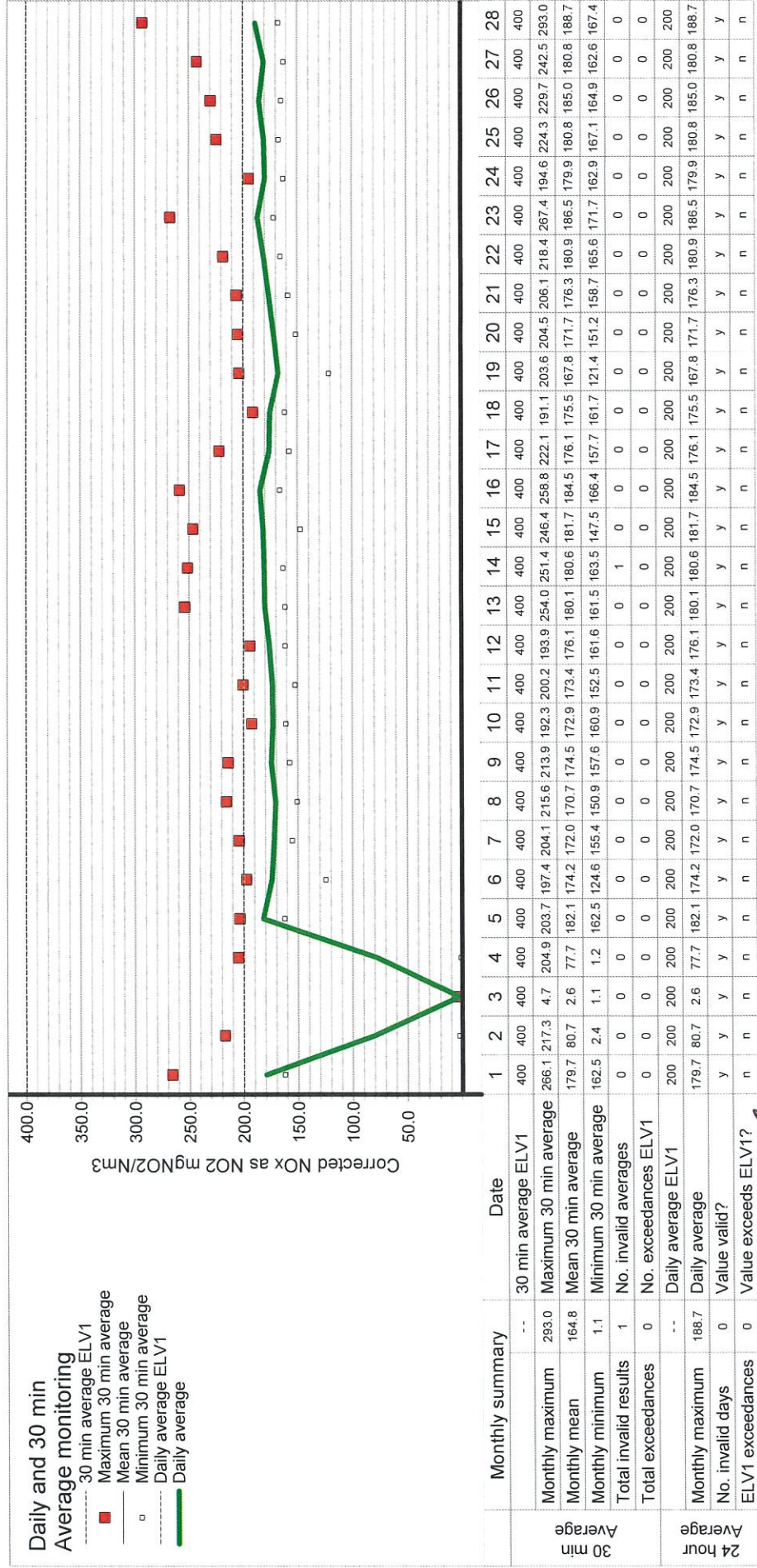
Signed
(Authorised to sign as representative of Operator)

Date 4/5/18

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 February 2018



Signed
(Authorised to sign as representative of Operator)

Date 4/5/18

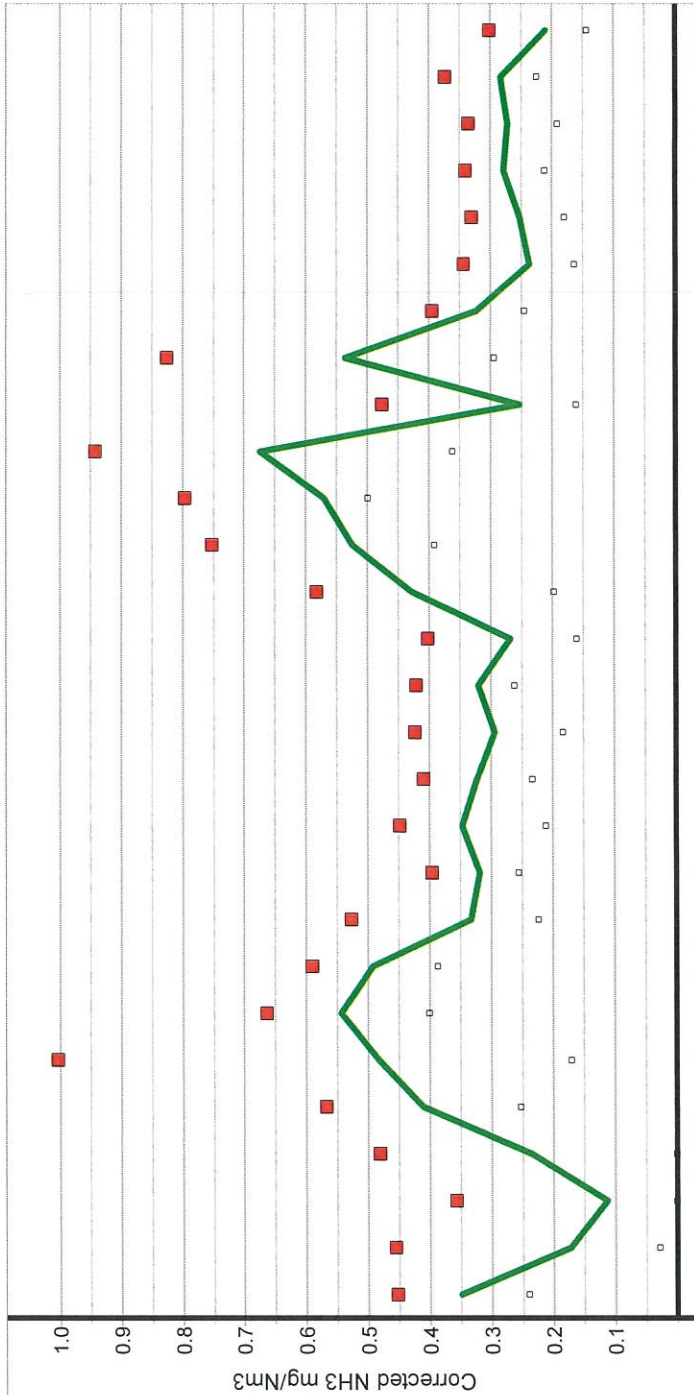
emrit Reference Number: PP3936SQ
Station: Shotton Paper Mill

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 February 2018

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	1.0	Maximum 30 min average	0.5	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
30 min average	Monthly mean	0.4	Mean 30 min average	0.3	0.2	0.1	0.2	0.1	0.2	0.4	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.5	0.6	0.7	0.3	0.5	0.3	0.2	0.3	0.3	0.3	0.4	0.3
	Monthly minimum	0.0	Minimum 30 min average	0.2	0.0	0.0	0.0	0.0	0.3	0.2	0.4	0.4	0.2	0.3	0.2	0.2	0.2	0.3	0.2	0.2	0.4	0.5	0.4	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.1
	Total invalid results	1	No. invalid averages	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24 hour average	Monthly maximum	0.7	Daily average	0.3	0.2	0.1	0.2	0.1	0.2	0.4	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.5	0.6	0.7	0.3	0.5	0.3	0.2	0.3	0.3	0.3	0.3	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

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Date: 4/5/18