

Air Emission Monthly Report

UPM-Kymmene (UK)

Permit Number EPR/BT4885IT
Installation Shotton Paper Mill

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 30th November 2019.

There are 3 occasions in which there are no readings indicated

First 2 occasions on 13th and 14th November (App#1 and App#2), these occurred as a result of planned servicing of the CEMs unit which is required to be carried out prior to third party stack emission testing. Whilst the equipment was functioning for 19.5 hrs of the day this falls below the daily reporting threshold

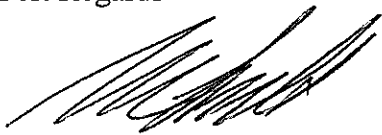
The third was 18th November when we had a 132Kv power failure to site which tripped the boiler, removing any solid fuel and other such services

On the 15th November (App#3) there was 4 occasions of invalid data, this was again as a result of service and checking of the CEMS unit.

App#1, App#2 and App#3 have been added to the CEMs validation log for 2019

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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Air Emission Monthly ReportApp# 1 13th November

13/11/2019 08:30:00	18.1 (30)	2.49 (30)	2.56 (30)	0.40 (30)	194.9 (30)	0.00 (30)	1.06 (30)
13/11/2019 09:00:00	18.7 (30)	2.49 (30)	2.45 (30)	0.39 (30)	174.7 (30)	0.00 (30)	1.02 (30)
13/11/2019 09:30:00	39.1 (30)	2.62 (30)	2.55 (30)	0.67 (30)	183.5 (30)	0.00 (30)	1.02 (30)
13/11/2019 10:00:00	41.9 (30)	2.66 (30)	2.63 (30)	0.86 (30)	178.7 (30)	0.00 (30)	1.06 (30)
13/11/2019 10:30:00	14.7 (20) *	2.66 (20)*	2.57 (20)*	0.58 (20)*	186.4 (20)*	0.25 (20)*	1.08 (20)*
13/11/2019 15:00:00	18.7 (30)	6.66 (30)	2.28 (30)	0.09 (30)	200.0 (30)	0.66 (30)	1.09 (30)
13/11/2019 15:30:00	34.0 (30)	5.62 (30)	1.96 (30)	0.39 (30)	181.5 (30)	0.61 (30)	0.98 (30)
13/11/2019 16:00:00	27.5 (30)	7.03 (30)	1.98 (30)	0.20 (30)	182.2 (30)	0.60 (30)	0.91 (30)
13/11/2019 16:30:00	33.9 (30)	6.88 (30)	2.26 (30)	0.50 (30)	176.7 (30)	0.75 (30)	0.92 (30)

App#2 14th November

14/11/2019 08:00:00	21.7 (30)	4.76 (30)	2.36 (30)	0.00 (30)	179.5 (30)	0.00 (30)	0.72 (30)
14/11/2019 08:30:00	13.1 (30)	4.70 (30)	2.23 (30)	0.00 (30)	168.7 (30)	0.00 (30)	0.72 (30)
14/11/2019 13:00:00	27.1 (29) *	6.66 (29)*	1.87 (29)*	0.10 (29)*	179.0 (29)*	0.42 (29)*	0.47 (29)*
14/11/2019 13:30:00	18.0 (30)	6.57 (30)	1.99 (30)	0.10 (30)	181.8 (30)	0.93 (30)	0.50 (30)
14/11/2019 14:00:00	42.7 (30)	6.46 (30)	1.77 (30)	0.74 (29)*	174.2 (30)	0.43 (30)	0.53 (30)

App#3
15th November

15/11/2019 06:30:00	25.3 (30)	6.86 (30)	1.74 (30)	0.23 (30)	171.2 (30)	0.00 (30)	0.55 (30)
15/11/2019 07:00:00	10.9 (30)	6.83 (30)	1.64 (30)	0.16 (30)	178.8 (30)	0.00 (30)	0.54 (30)
15/11/2019 09:00:00	28.3 (26) *	8.78 (26)*	1.90 (26)*	0.61 (26)*	190.8 (26)*	0.67 (26)*	0.45 (26)*
15/11/2019 10:00:00	34.2 (27) *	7.91 (27)*	2.34 (27)*	0.62 (27)*	184.0 (27)*	0.60 (27)*	0.59 (27)*
15/11/2019 10:30:00	27.0 (30)	7.27 (30)	2.26 (30)	0.63 (30)	160.8 (30)	0.46 (30)	0.60 (30)

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	--	30.00
Monthly maximum	1.61	0.57
Monthly mean	0.19	0.03
Monthly minimum	0.00	0.00
Total invalid results	4	0
Total exceedances	0	0
Daily average ELV1		10.00
Monthly maximum	0.52	0.03
No. invalid days	3	y
Value exceeds ELV1?	0	y

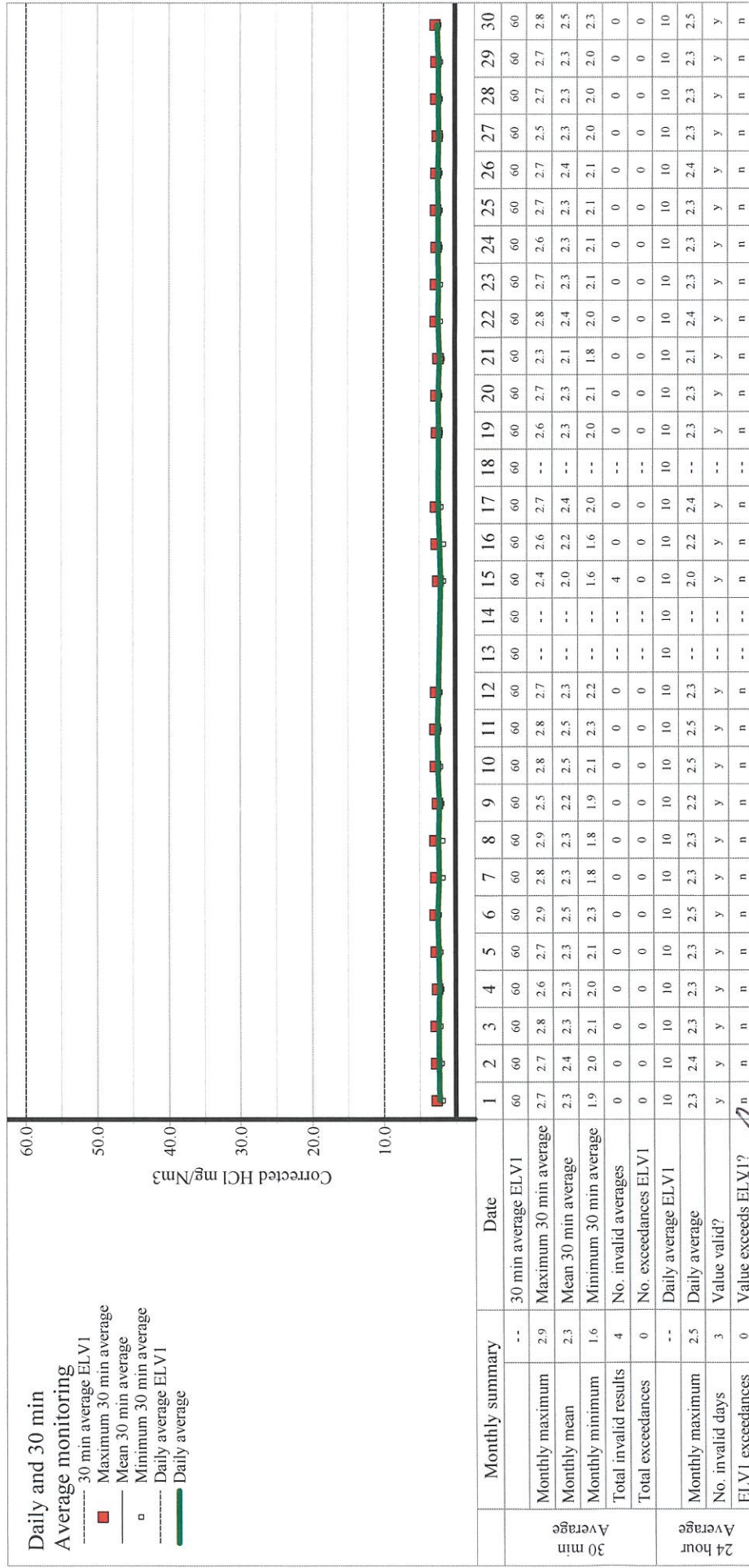
Signed.....
(Authorised to sign as representative of Operator)

Date.....10/11/2020.....

Permit Reference Number: BT4885IT
Facility: Shotton Paper Mill

Operator: UPM-Kymmene (UK) Ltd
Form Number: A3

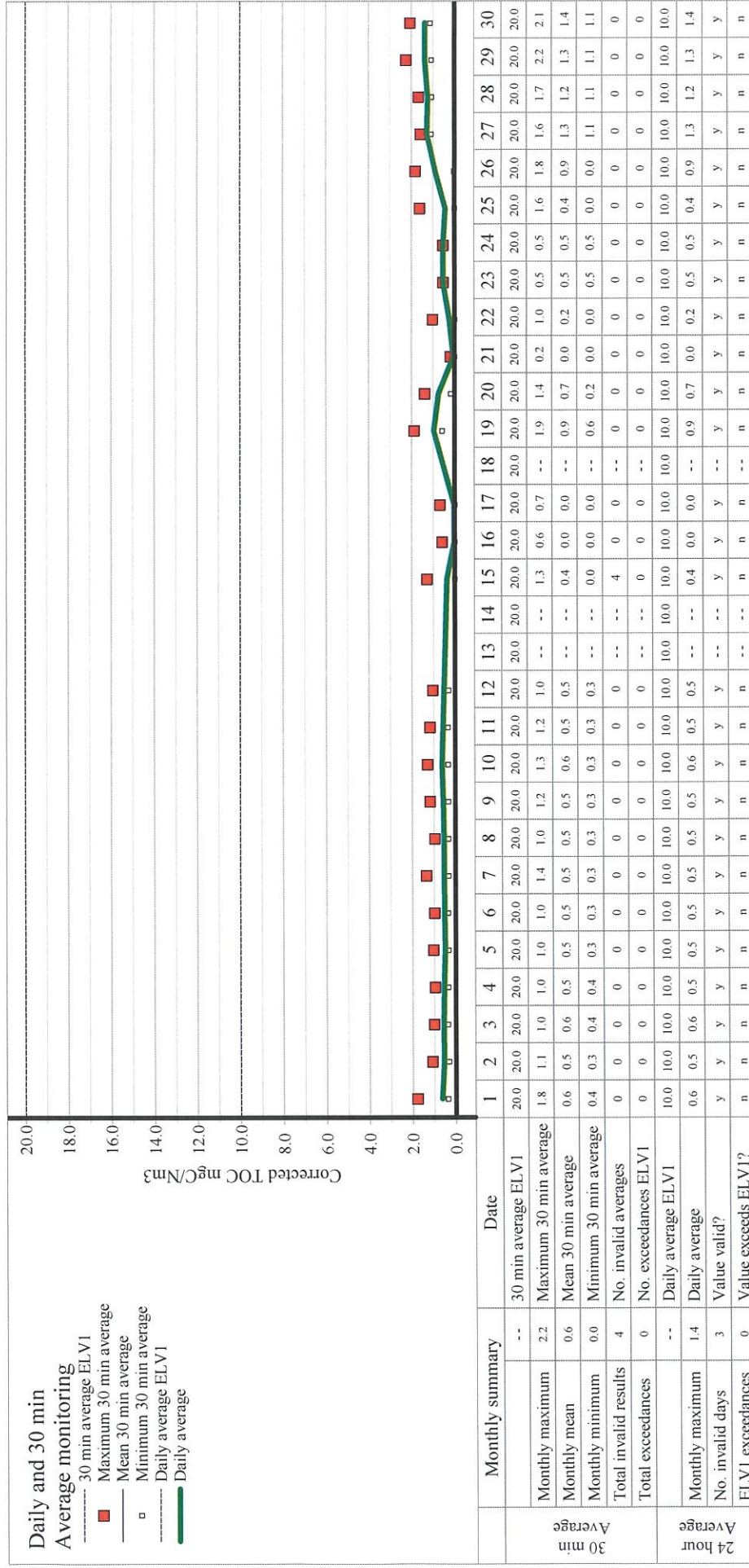
Reporting of Continuously Monitored Emissions to Air for Hydrogen Chloride for the month of November 2019



Date: 10/1/2020

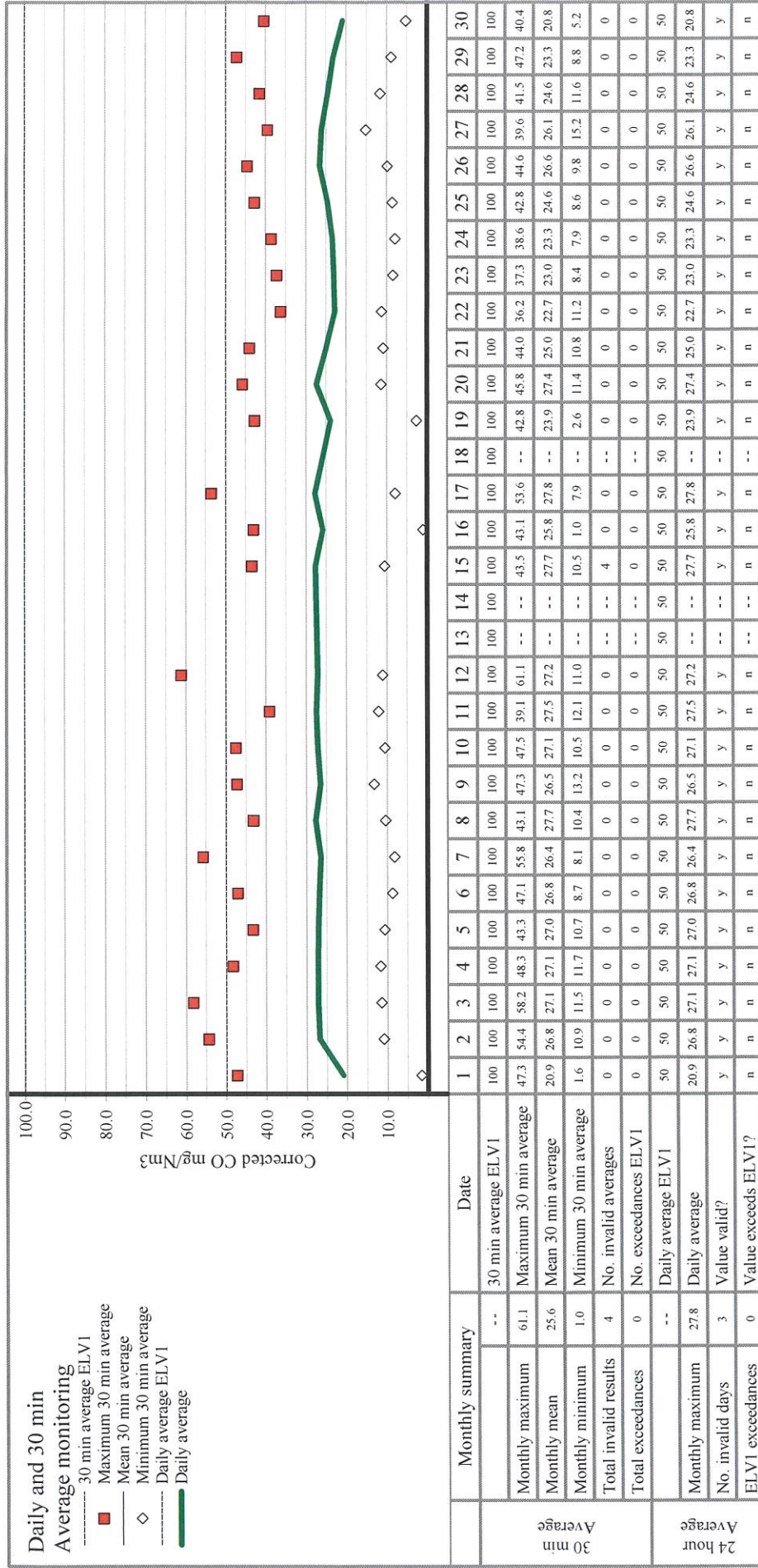
Signed: 
(Authorised to sign as representative of Operator)

Reporting of Continuously Monitored Emissions to Air for TOC Emission Point A20 for the month of November 2019



Signed  Date: 10/12/2020
(Authorised to sign as representative of Operator)

Reporting of Continuously Monitored Emissions to Air for Carbon Monoxide for the month of November 2019

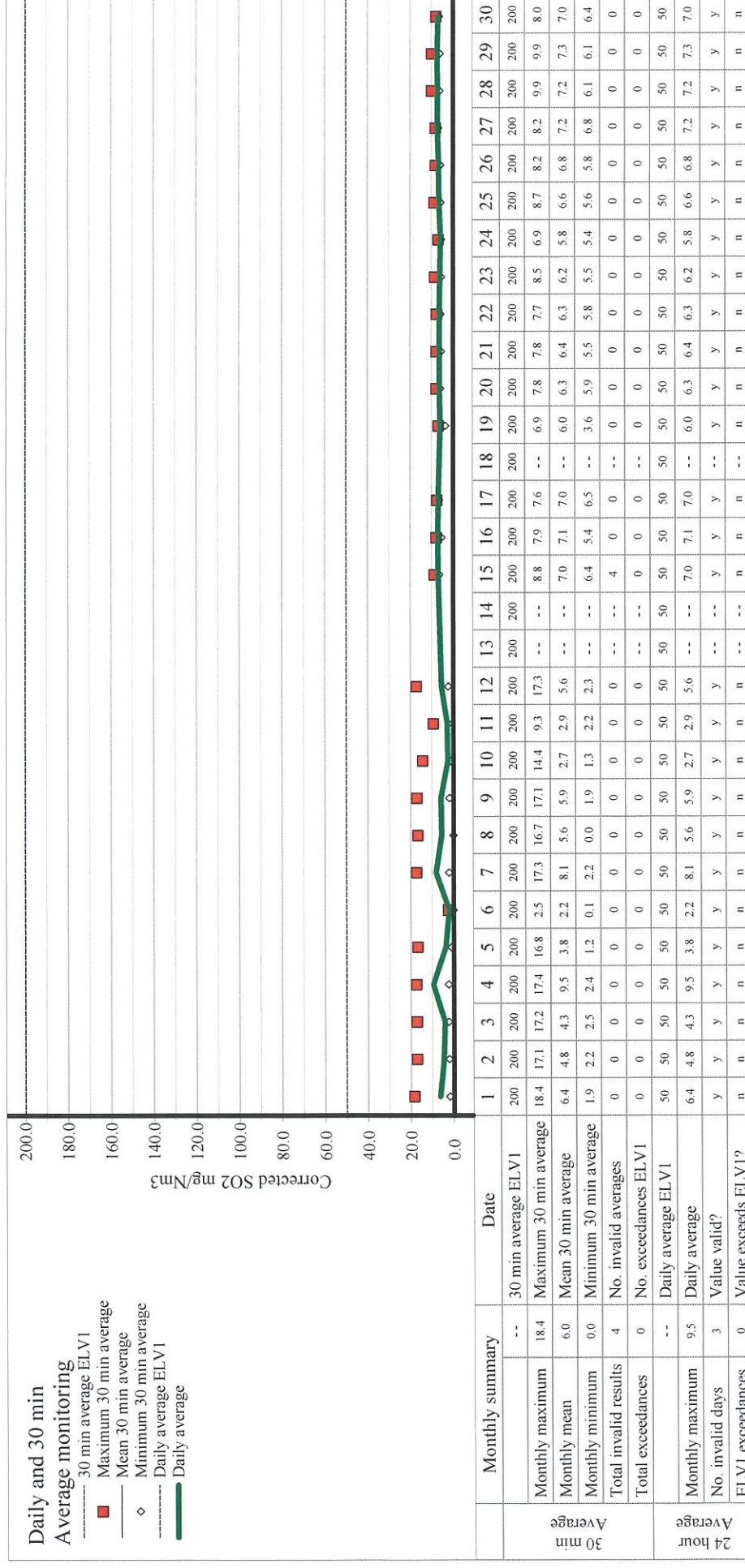


[Signature]

Signed
(Authorised to sign as representative of Operator)

Date: 15/1/2020

Reporting of Continuously Monitored Emissions to Air for Sulphur Dioxide for the month of November 2019

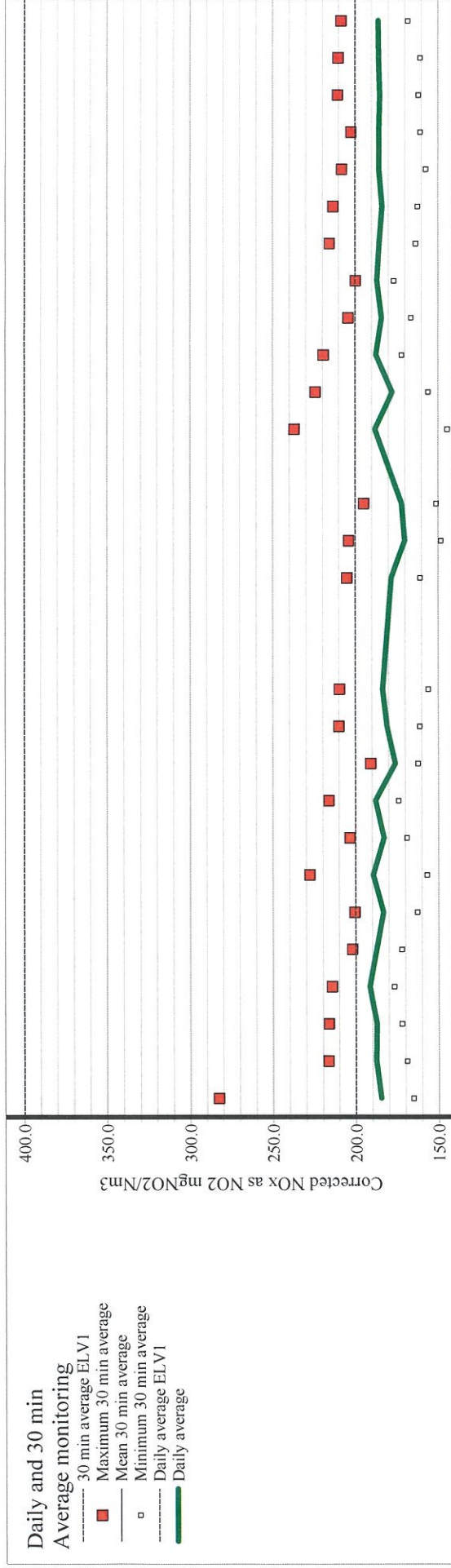


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Signed
(Authorised to sign as representative of Operator)

Date: 10/11/2020

Reporting of Continuously Monitored Emissions to Air for Oxides of Nitrogen for the month of November 2019



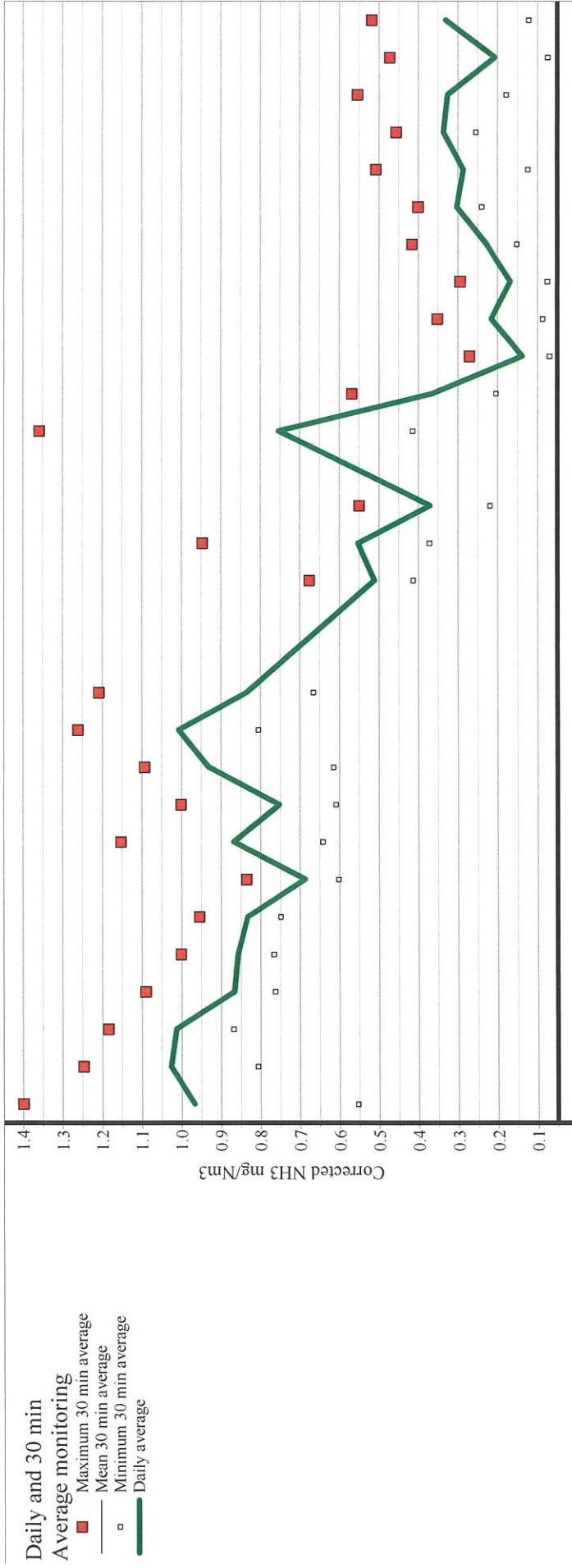
30 min Average	Monthly summary		Date		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
		--		30 min average ELV1	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400
24 hour Average	Monthly maximum	282.8		Maximum 30 min average	282.8	216.7	216.4	214.4	202.1	200.6	227.9	203.5	216.1	190.9	210.1	209.7	--	--	205.2	204.1	194.8	--	237.2	224.3	219.4	204.4	199.9	215.7	213.5	208.2	210.8	210.3	208.6	
	Monthly mean	184.1		Mean 30 min average	184.8	187.8	187.4	191.8	187.6	183.5	189.7	183.0	188.1	176.2	181.0	183.7	--	--	178.4	170.3	172.2	--	188.3	177.8	187.7	184.3	187.1	185.6	183.9	185.9	185.3	185.9	186.3	
	Monthly minimum	144.5		Minimum 30 min average	165.2	169.2	172.2	176.7	172.2	162.7	156.8	169.1	174.0	162.3	161.2	155.9	--	--	160.8	148.3	151.1	--	144.5	156.0	172.0	166.3	176.7	163.4	162.2	157.3	160.7	161.7	160.6	168.2
	Total invalid results	4		No. invalid averages	0	0	0	0	0	0	0	0	0	0	0	0	--	--	4	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
		--		Daily 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
	Monthly maximum	191.8		Daily average	184.8	187.8	187.4	191.8	187.6	183.5	189.7	183.0	188.1	176.2	181.0	183.7	--	--	178.4	170.3	172.2	--	188.3	177.8	187.7	184.3	187.1	185.6	183.9	185.9	185.3	185.9	186.3	
	No. invalid days	3		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
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

[Signature]

Signed Date: 10/1/2020

(Authorised to sign as representative of Operator)

Reporting of Continuously Monitored Emissions to Air for Ammonia for the month of November 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
	Monthly maximum	1.4	Maximum 30 min average	1.4	1.2	1.2	1.1	1.0	1.0	1.0	0.8	1.2	1.0	1.1	1.3	1.2	--	--	0.7	0.9	0.5	--	1.4	0.6	0.3	0.4	0.3	0.4	0.4	0.5	0.5	0.6	0.5	0.5
30 min average	Monthly mean	0.6	Mean 30 min average	1.0	1.0	1.0	0.9	0.8	0.9	0.8	0.7	0.9	0.8	0.9	1.0	0.8	--	--	0.5	0.6	0.4	--	0.8	0.4	0.1	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.2	0.3
	Monthly minimum	0.1	Minimum 30 min average	0.6	0.8	0.9	0.8	0.8	0.7	0.6	0.6	0.6	0.6	0.6	0.8	0.7	--	--	0.4	0.4	0.2	--	0.4	0.2	0.1	0.1	0.1	0.2	0.2	0.1	0.3	0.2	0.1	0.1
	Total invalid results	4	No. invalid averages	0	0	0	0	0	0	0	0	0	0	0	0	0	--	--	4	0	0	--	0	0	0	0	0	0	0	0	0	0	0	0
4 hour average	Monthly maximum	1.0	Daily average	1.0	1.0	1.0	0.9	0.8	0.8	0.7	0.7	0.9	0.8	0.9	1.0	0.8	--	--	0.5	0.6	0.4	--	0.8	0.4	0.1	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.2	0.3
	No. invalid days	3	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

Signed Date: 10/1/2020
(Authorised to sign as representative of Operator)