

UPM-Kymmene (UK)

Memo
External
August 2019
KOS

1 (1)

Air Emission Monthly Report

UPM-Kymmene (UK)

Permit Number EPR/BT4885IT
Installation Shotton Paper Mill

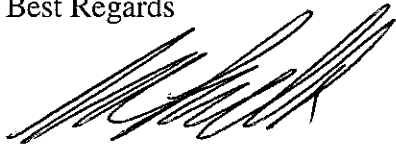
To
Matthew Kelk
Natural Resources Wales
Chester Road
Buckley
Flintshire
CH7 3AJ

Fax - 01244 548805
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 31st August 2019.
During the period there have not been any reportable exceedances or non conformances to report.

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

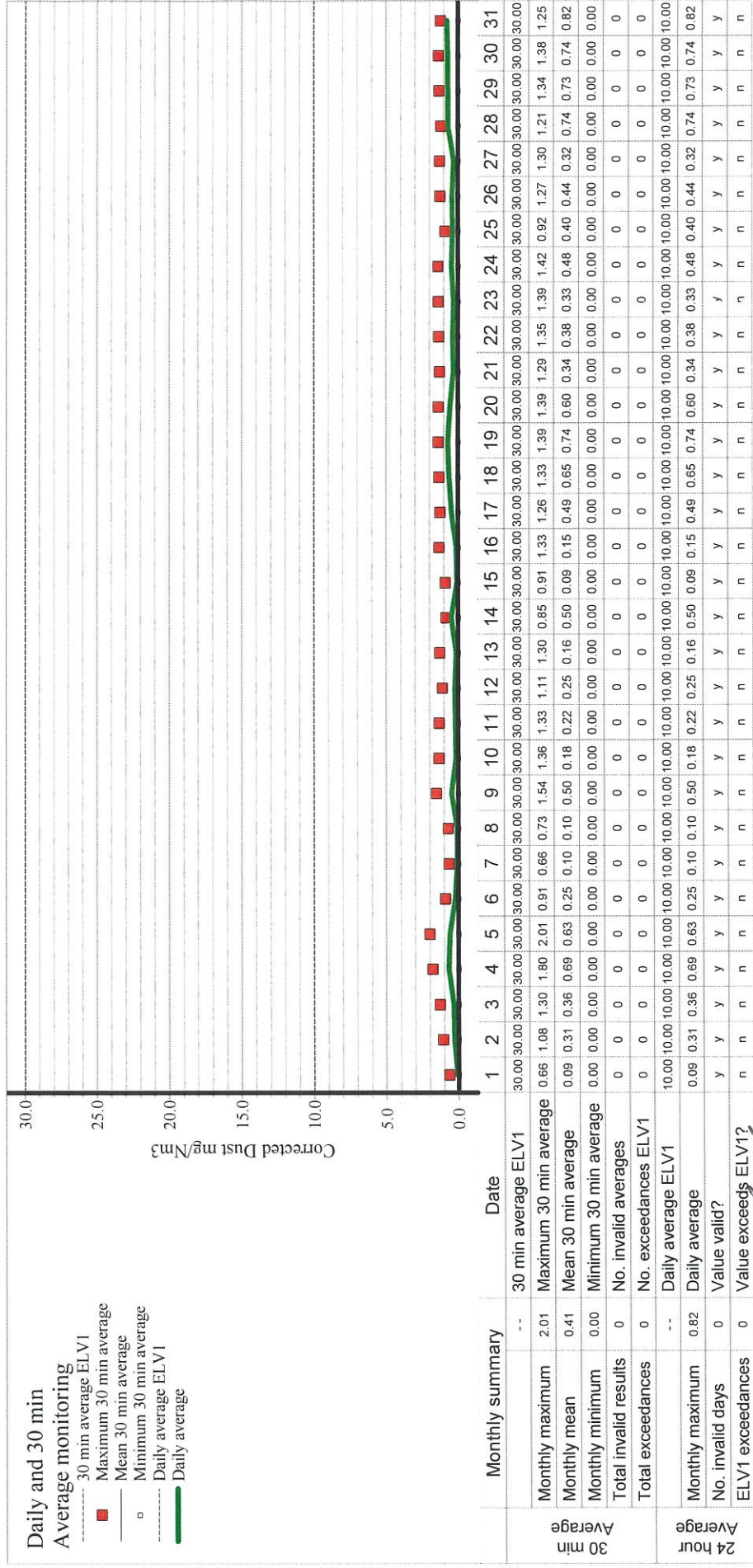
Best Regards



Kevin Smith
Utilities Manager
UPM (UK) Shotton

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Reporting of Continuously Monitored Emissions to Air for Particulates for the month of August 2019

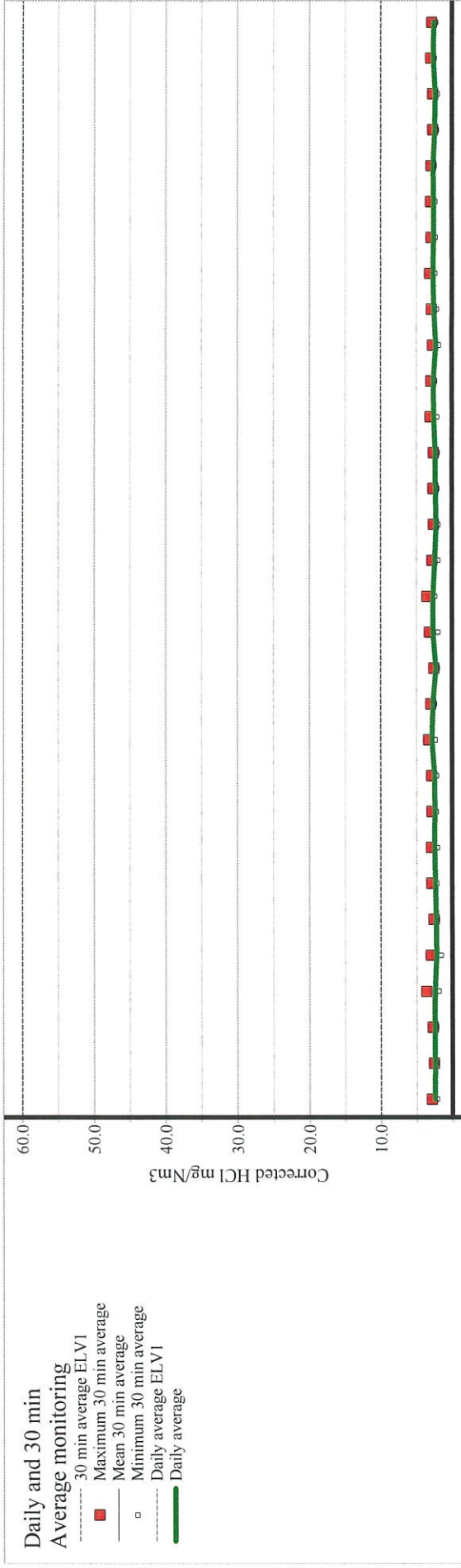


Signed:  Date: 

(Authorised to sign as representative of Operator)

30 min Average	Monthly summary	Date
	--	30 min average ELV1
Monthly maximum	2.01	Maximum 30 min average
Monthly mean	0.41	Mean 30 min average
Monthly minimum	0.00	Minimum 30 min average
Total invalid results	0	No. invalid averages
Total exceedances	0	No. exceedances ELV1
	--	Daily average ELV1
Monthly maximum	0.82	Daily average
No. invalid days	0	Value valid?
ELV1 exceedances	0	Value exceeds ELV1?

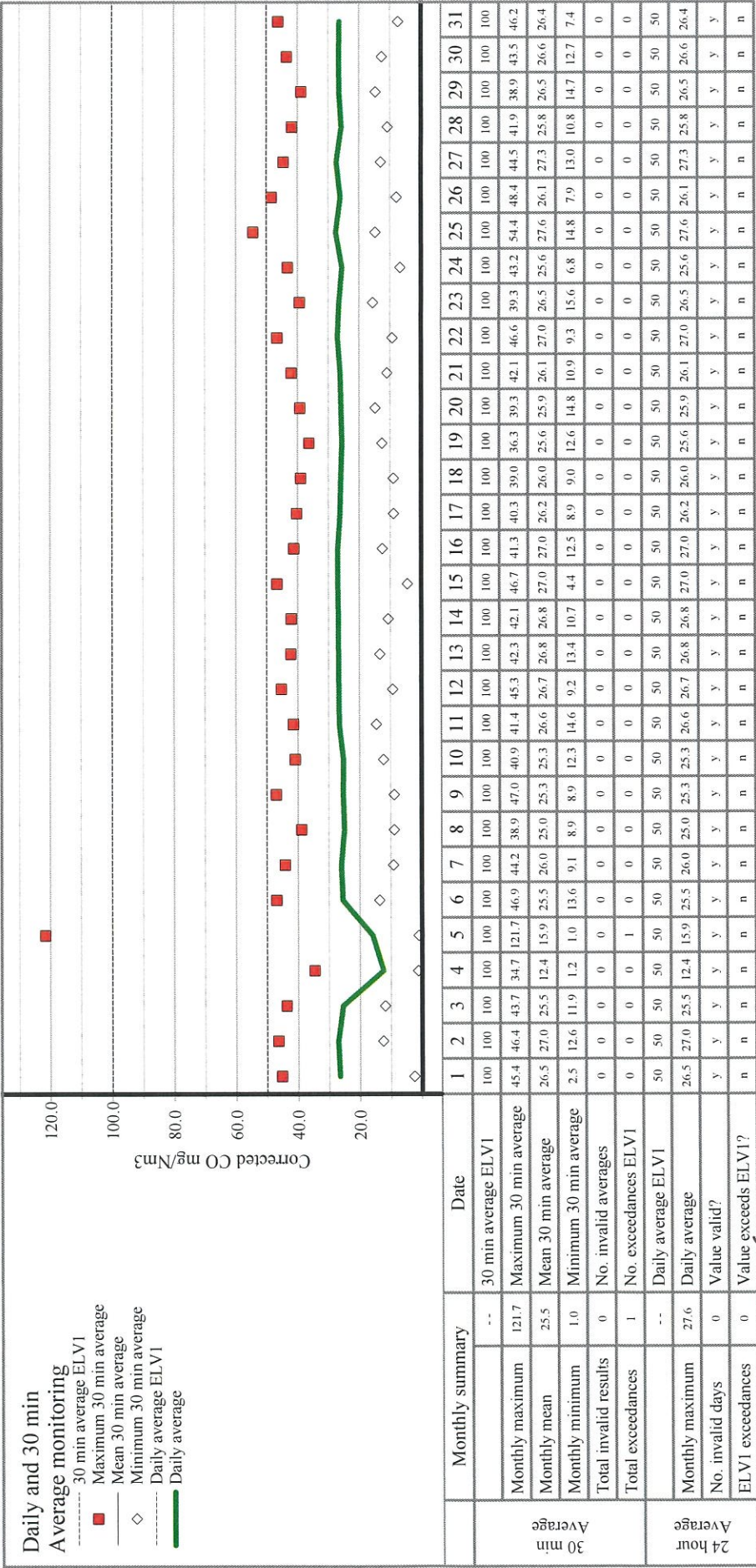
Reporting of Continuously Monitored Emissions to Air for Hydrogen Chloride for the month of August 2019



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
30 min Average	3.6	Maximum 30 min average	2.9	2.6	2.7	3.6	3.0	2.6	2.9	2.9	2.9	3.3	3.0	2.6	3.1	3.5	2.8	2.6	2.7	2.6	3.1	2.9	2.7	2.7	2.7	3.1	2.9	3.0	2.9	2.7	2.7	3.0	2.8
	2.5	Mean 30 min average	2.4	2.4	2.5	2.4	2.2	2.3	2.4	2.5	2.4	2.8	2.7	2.3	2.7	2.7	2.4	2.2	2.3	2.3	2.5	2.5	2.6	2.3	2.5	2.7	2.6	2.6	2.6	2.4	2.3	2.6	2.6
	1.6	Minimum 30 min average	2.1	2.3	2.2	1.9	1.6	2.1	2.2	2.1	2.2	2.2	2.3	2.4	2.0	2.0	2.4	2.0	1.9	2.1	2.1	2.1	2.4	1.9	2.2	2.4	2.3	2.4	2.5	2.2	2.0	2.5	2.3
	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	0	0
	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	0	0
24 hour Average	2.8	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
	0	Daily average	2.4	2.4	2.5	2.4	2.2	2.3	2.4	2.5	2.4	2.4	2.8	2.7	2.3	2.7	2.7	2.4	2.2	2.3	2.3	2.5	2.6	2.3	2.5	2.7	2.6	2.6	2.6	2.4	2.3	2.6	2.6
	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	y
	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	n	n

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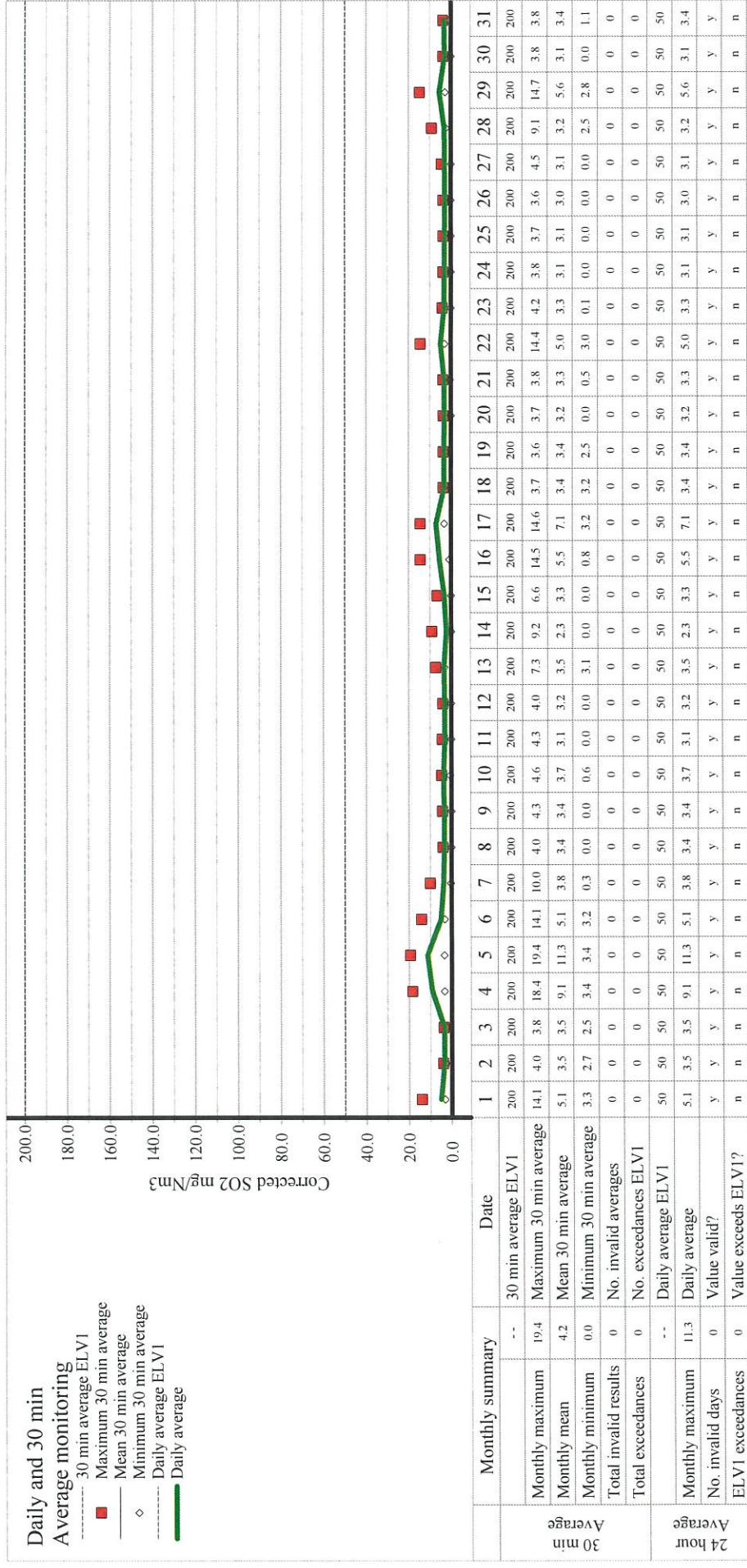
Reporting of Continuously Monitored Emissions to Air for Carbon Monoxide for the month of August 2019



Signed: *[Signature]*
 (Authorised to sign as representative of Operator)

Date: 31/08/19

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



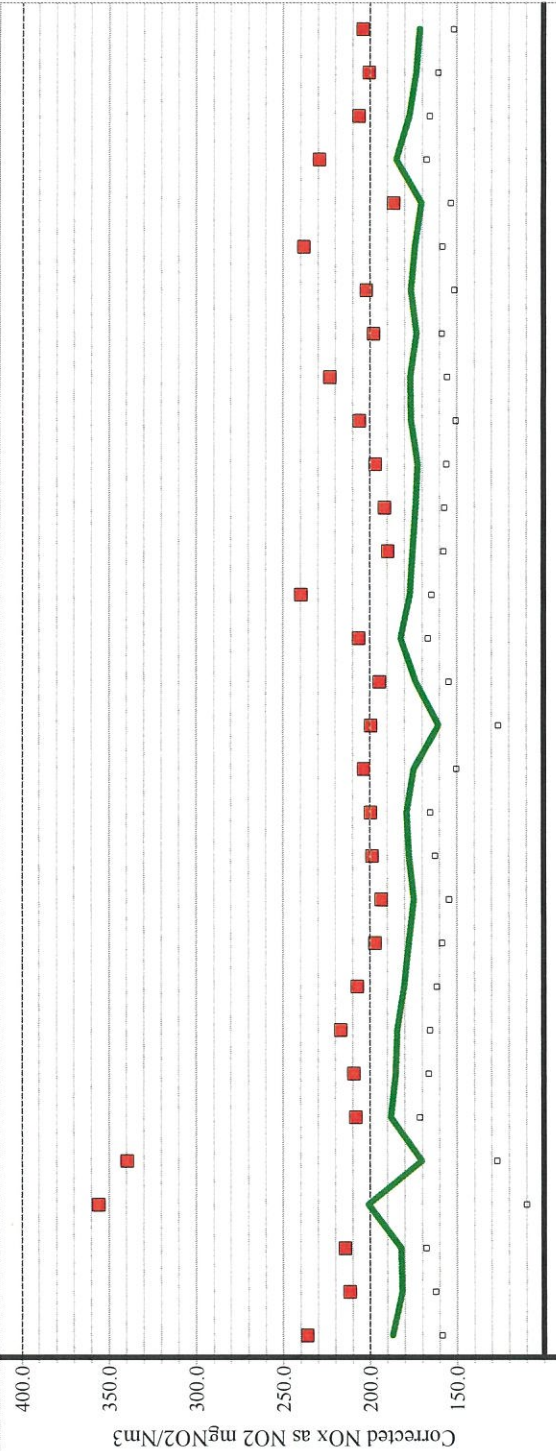
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(Authorised to sign as representative of Operator)

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

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



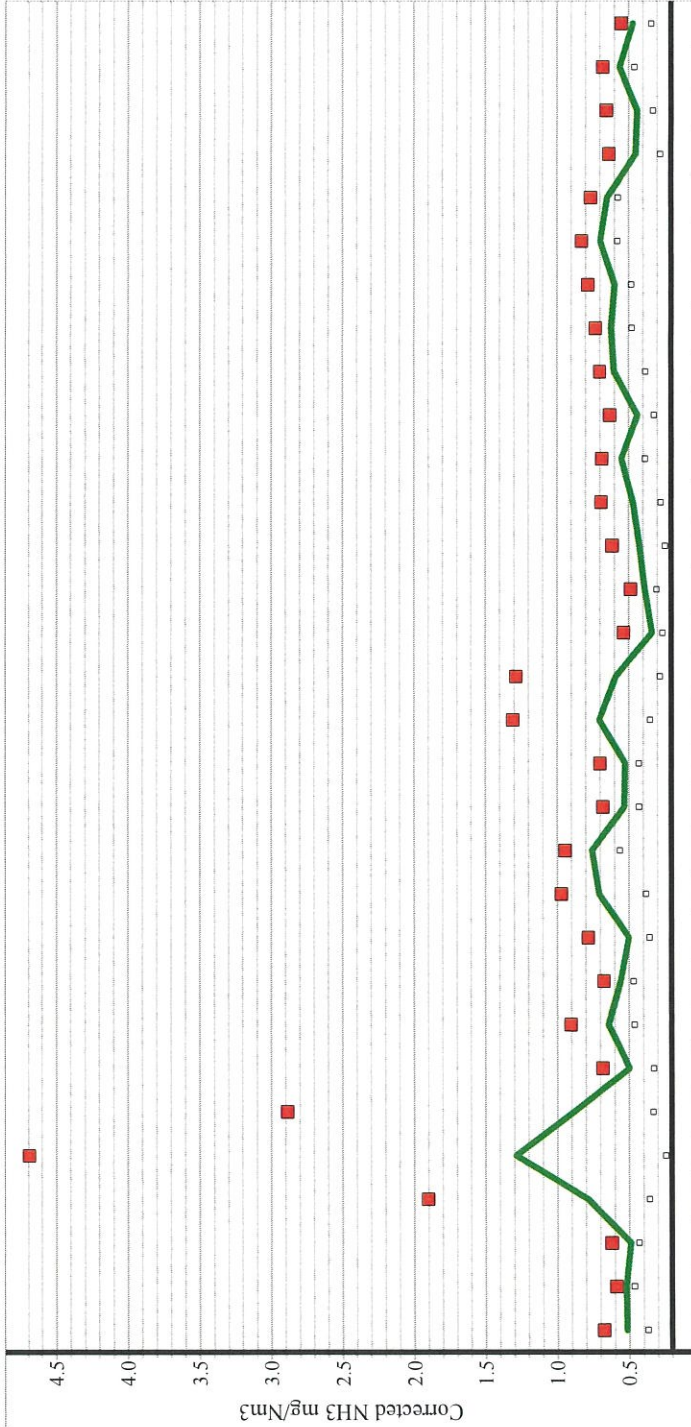
Monthly summary		Date																														
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
30 min Average	30 min average ELV1	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400	400
	Maximum 30 min average	236.1	211.8	214.4	355.9	339.7	208.3	209.3	216.9	207.3	197.1	193.5	198.7	199.5	203.8	199.5	194.6	206.3	239.7	189.7	191.7	196.9	206.0	223.3	198.0	202.2	238.0	186.3	229.3	206.5	200.6	204.2
	Mean 30 min average	187.2	181.7	182.3	201.1	170.2	188.2	185.4	184.5	180.5	177.8	174.9	177.7	179.0	174.9	160.8	173.7	182.5	177.1	175.6	174.0	172.7	176.4	177.0	173.4	176.6	174.3	170.6	185.0	177.6	173.6	171.6
	Minimum 30 min average	158.6	162.5	167.8	109.9	126.9	171.3	166.2	165.4	161.6	158.6	154.5	162.5	165.3	150.4	126.1	154.7	166.5	164.6	157.6	157.3	156.0	150.6	155.7	158.7	151.4	158.2	153.6	167.6	165.7	160.8	151.7
	Total invalid results	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
	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
	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	200
24 hour Average	Monthly maximum	187.2	181.7	182.3	201.1	170.2	188.2	185.4	184.5	180.5	177.8	174.9	177.7	179.0	174.9	160.8	173.7	182.5	177.1	175.6	174.0	172.7	176.4	177.0	173.4	176.6	174.3	170.6	185.0	177.6	173.6	171.6
	No. invalid days	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
	ELV1 exceedances	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:  Date: 5/11/19

(Authorised to sign as representative of Operator)

Reporting of Continuously Monitored Emissions to Air for Ammonia for the month of August 2019

Daily and 30 min Average monitoring
 ■ Maximum 30 min average
 □ Mean 30 min average
 □ Minimum 30 min average
 — Daily average



	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
30 min average	0.7	0.5	0.6	1.9	4.7	2.9	0.7	0.9	0.7	0.8	1.0	0.9	0.7	0.7	1.3	1.3	0.5	0.5	0.6	0.7	0.7	0.6	0.7	0.7	0.8	0.8	0.6	0.7	0.7	0.6	
Monthly maximum	4.7																														
Monthly mean	0.6																														
Monthly minimum	0.2																														
Total invalid results	0																														
4 hour average	1.3																														
Monthly maximum	4.7																														
No. invalid days	0																														

Signed: 
 Date: 31/11/19

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 (Authorised to sign as representative of Operator)