

Month End Report

UPM-Kymmene (UK)

Permit Reference PP3936SQ
Installation Shotton Paper

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

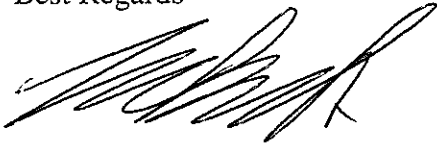
Fax - 01244 548805
Email north.wales.ppc@naturalresourceswales.gov.uk

Please find enclosed graphs / reports for Continuously Monitored Emissions to Air A2 to A8 for the period ending 31st December 2017.

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

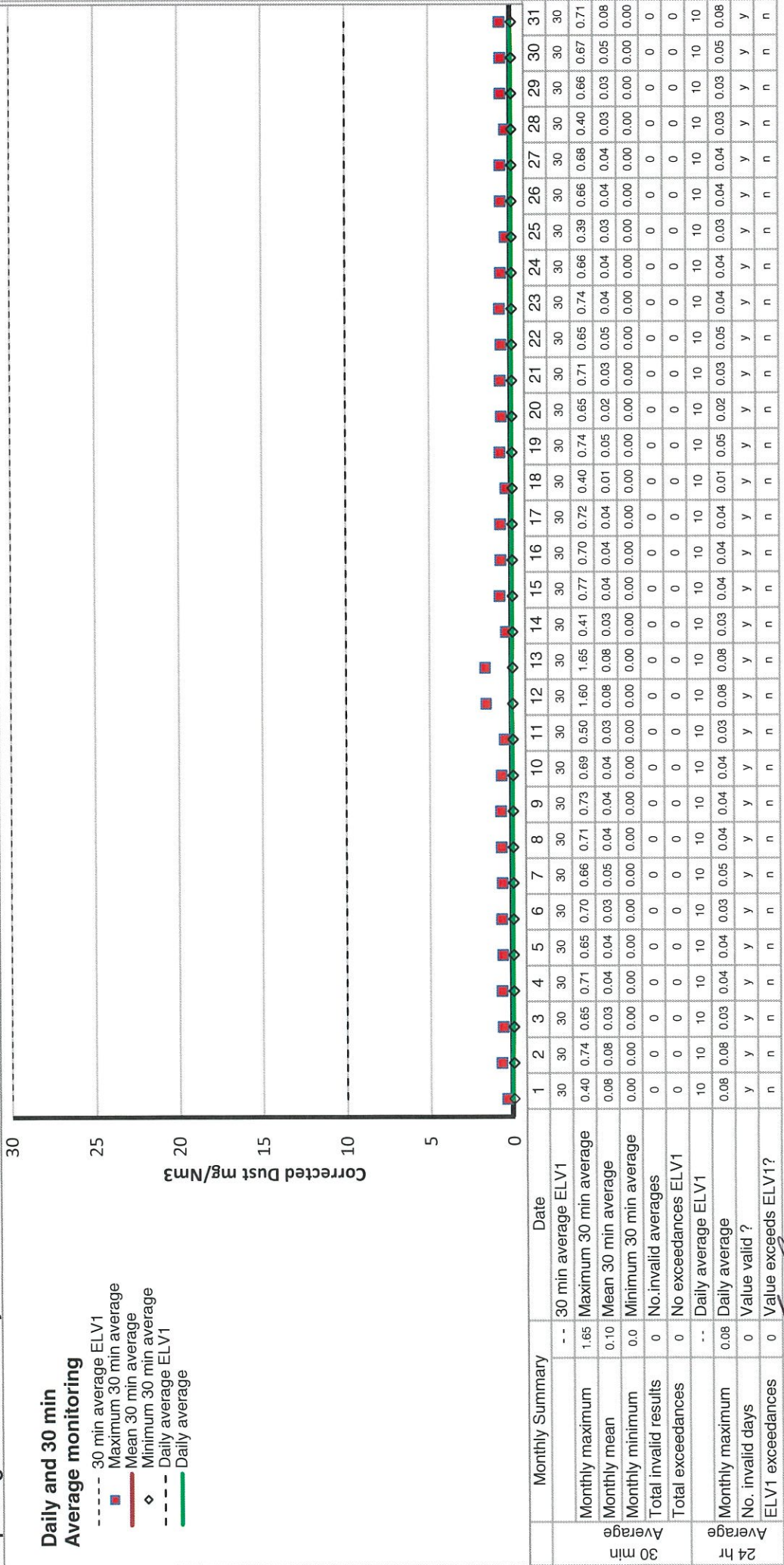
Best Regards



Kevin Smith
Utilities Manager
UPM (UK) Shotton

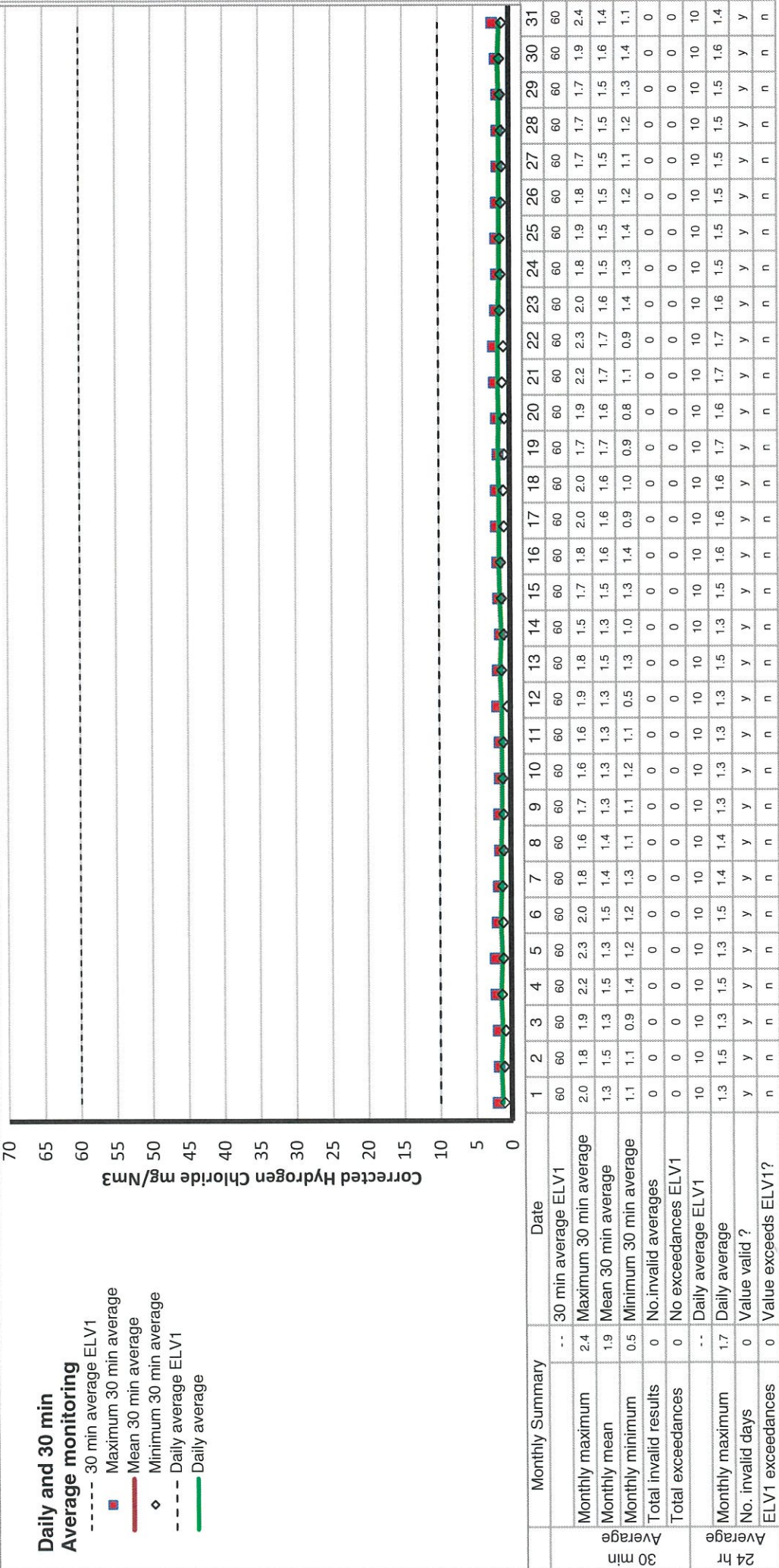
Office +44 (0) 1244284393
Mobile +44 (0) 7736497124

Reporting of Continuously Monitored Emissions to Air for Particulates Emission Point A20 for the month of December 2017



Signed Date 8/2/18
(Authorised to sign as representative of Operator)

Reporting of Continuously Monitored Emissions to Air for Hydrogen Chloride Emission for the month of December 2017



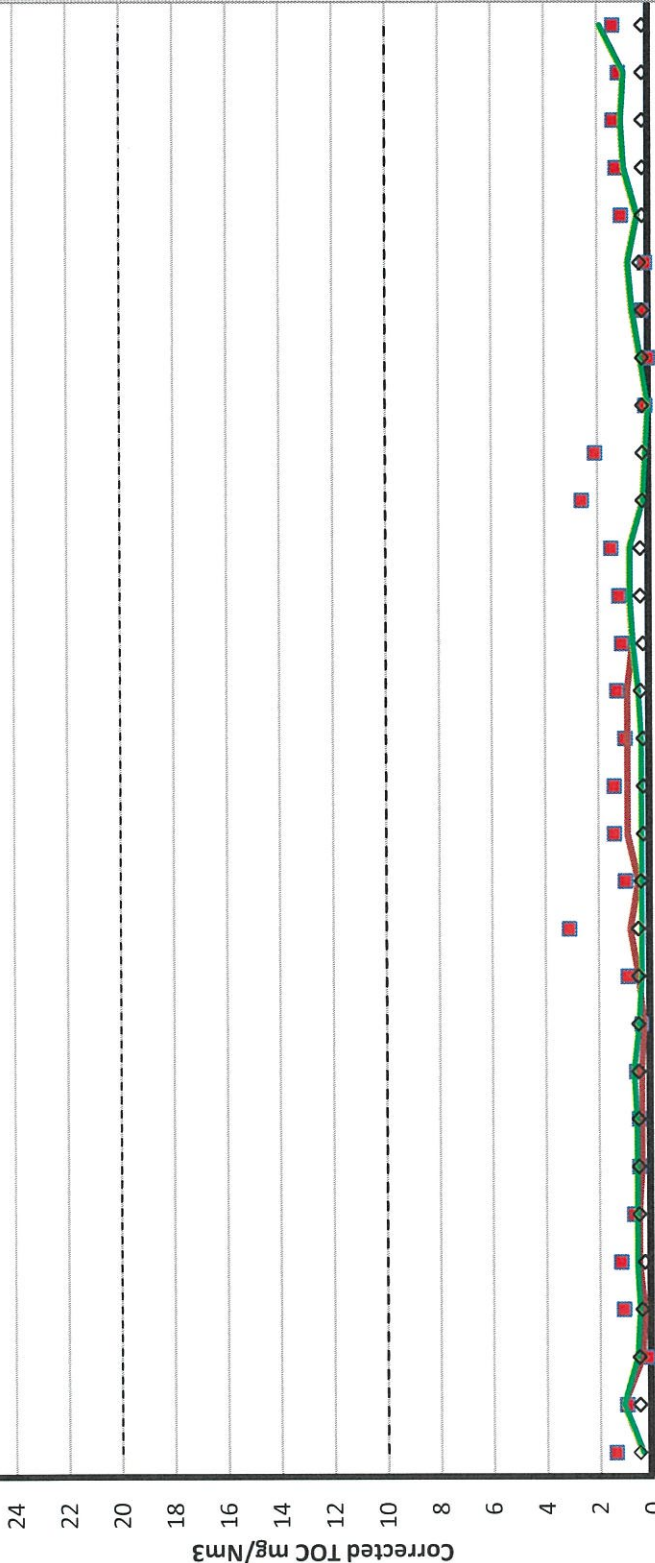
Signed
(Authorised to sign as representative of Operator)

Date: 8/2/18

Reporting of Continuously Monitored Emissions to Air for TOC Emission Point A20 for the month of December 2017

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

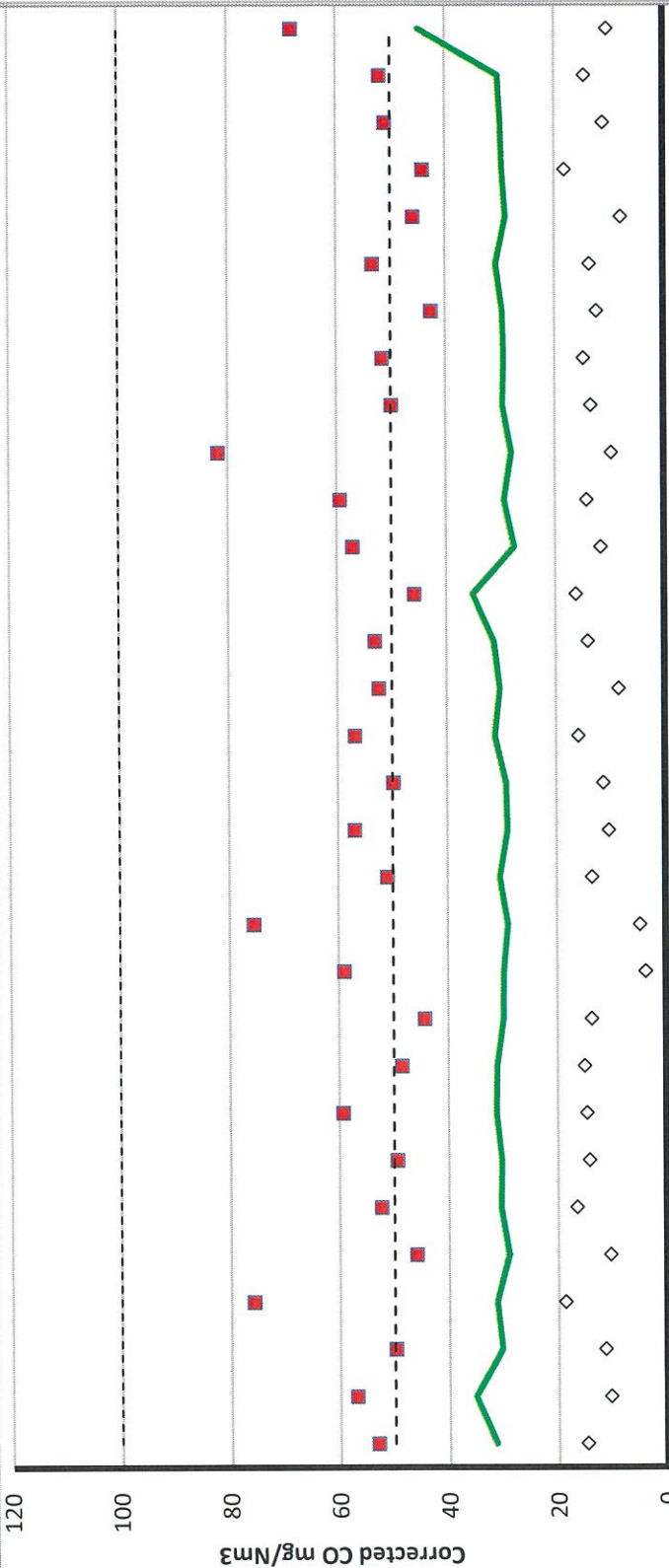


30 min Average	Monthly Summary		Date																															
	--	30 min average ELV1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30		
	Monthly maximum	3.1	1.4	1.0	0.2	1.1	1.2	0.7	0.5	0.5	0.6	0.4	0.9	3.1	1.0	1.4	1.4	1.0	1.3	1.1	1.2	1.5	2.6	2.1	0.2	0.1	0.3	0.2	1.1	1.3	1.4	1.2	1.4	
	Monthly mean	1.1	0.4	1.1	0.4	0.3	0.5	0.5	0.4	0.4	0.4	0.3	0.5	0.8	0.5	0.9	0.9	0.9	0.9	0.7	0.8	0.8	0.3	0.2	0.1	0.4	0.7	0.9	0.5	1.0	1.1	1.0	1.9	
	Monthly minimum	0.3	0.5	0.5	0.5	0.4	0.3	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.3	0.3	0.3	0.4	0.3	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.4	0.3	0.3	0.3	0.3	0.3	0.3
24 hr Average	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	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	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	10
	Monthly maximum	1.9	0.4	1.1	0.6	0.5	0.6	0.6	0.6	0.6	0.7	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.7	0.8	0.8	0.3	0.2	0.1	0.4	0.7	0.9	0.5	1.0	1.1	1.0	1.9
	No. invalid days	0	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	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	n	
Value exceeds ELV1?																																		

Signed Date: 8/2/18

(Authorised to sign as representative of Operator)

Reporting of Continuously Monitored Emissions to Air for Carbon Monoxide Emission Point A20 for the month of December 2017

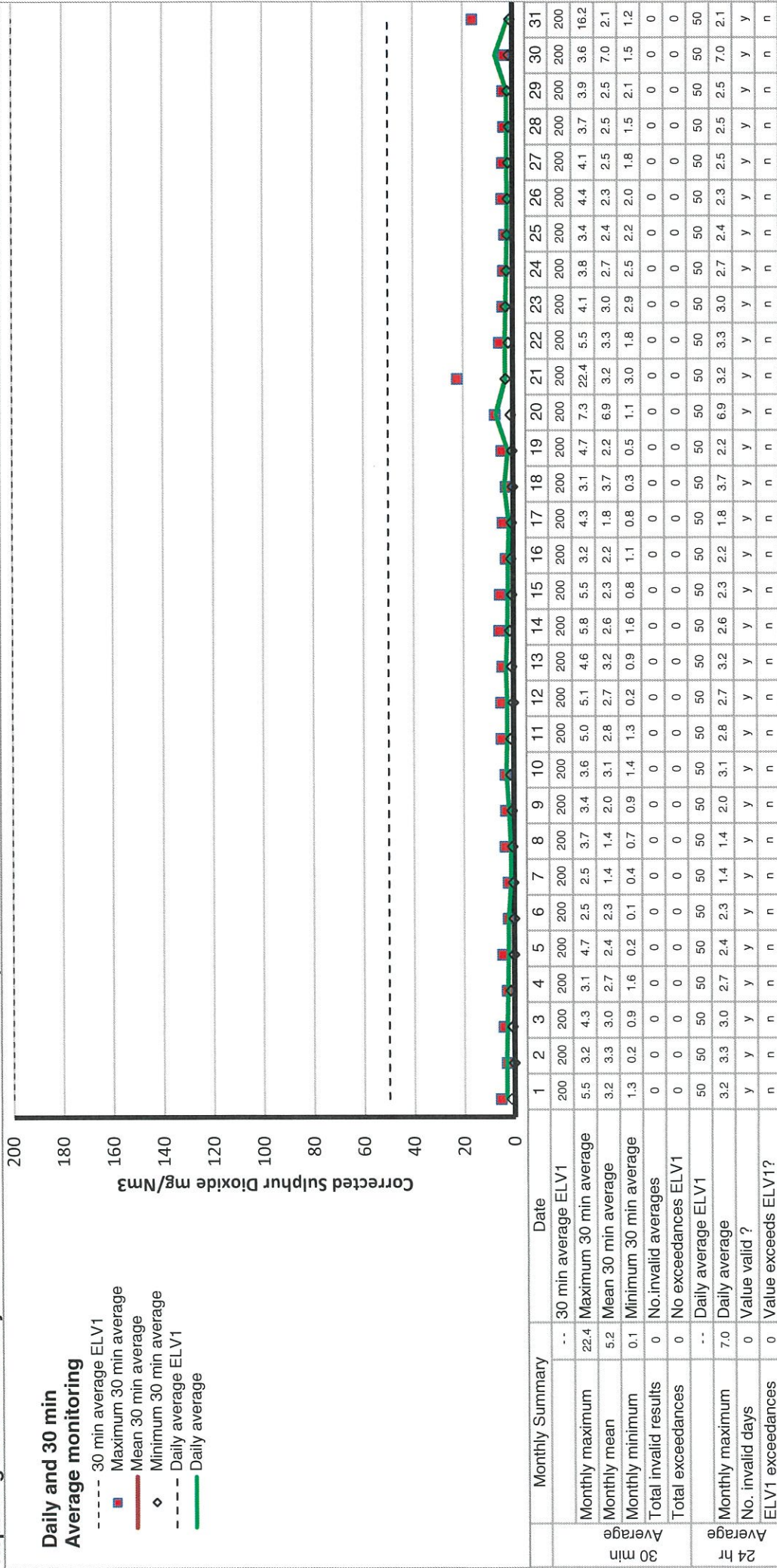


30 min Average	Monthly Summary		Date																														
	--	30 min average ELV1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
30 min Average	Monthly maximum	81.7	53.0	56.9	49.8	75.7	45.9	52.3	49.4	59.3	48.5	44.3	59.0	75.5	51.0	56.9	49.8	56.8	52.4	53.1	45.8	57.1	59.4	81.7	49.9	51.6	42.6	53.3	45.9	44.1	51.0	52.0	68.2
	Monthly mean	30.3	31.4	35.2	30.3	31.3	29.0	30.5	30.3	31.3	31.1	29.9	29.8	29.0	30.5	29.0	29.2	31.3	30.3	31.4	35.2	27.5	29.4	28.0	29.6	29.4	29.6	30.8	29.0	29.6	29.9	30.4	44.9
	Monthly minimum	3.8	14.7	10.4	11.4	18.7	10.4	16.5	14.2	14.6	15.0	13.7	3.8	4.8	13.5	10.4	11.4	15.9	8.5	14.1	16.2	11.7	14.2	9.7	13.4	14.7	12.3	13.6	7.9	18.1	11.1	14.5	10.4
	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	0
24 hr Average	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	0
	--	Daily average ELV1	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	44.9	31.4	35.2	30.3	31.3	29.0	30.5	30.3	31.3	31.1	29.9	29.8	29.0	30.5	29.0	29.2	31.3	30.3	31.4	35.2	27.5	29.4	28.0	29.6	29.4	29.6	30.8	29.0	29.6	29.9	30.4	44.9
	No. invalid days	0	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
24 hr Average	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: 8/2/17

Reporting of Continuously Monitored Emissions to Air for Sulphur Dioxide Emission Point A20 for the month of December 2017

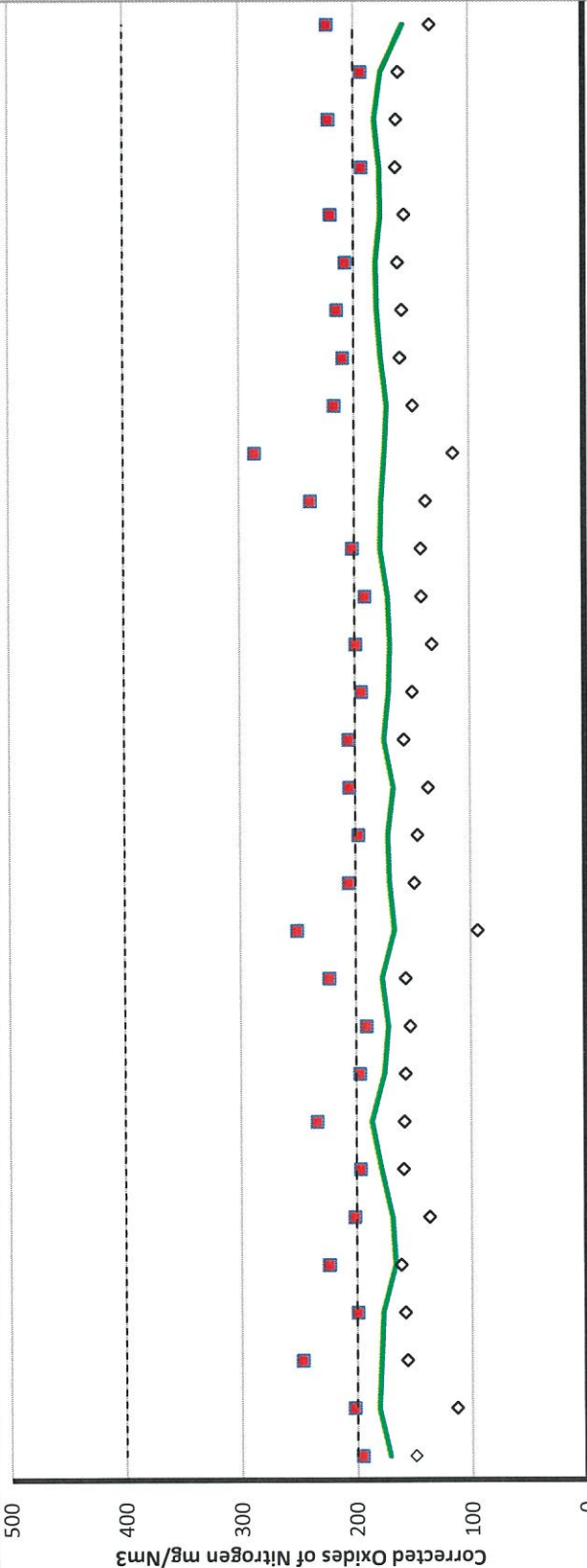


Signed Date: 22/12/17
(Authorised to sign as representative of Operator)

Reporting of Continuously Monitored Emissions to Air for Oxides of Nitrogen Emission Point A20 for the month of December 2017

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



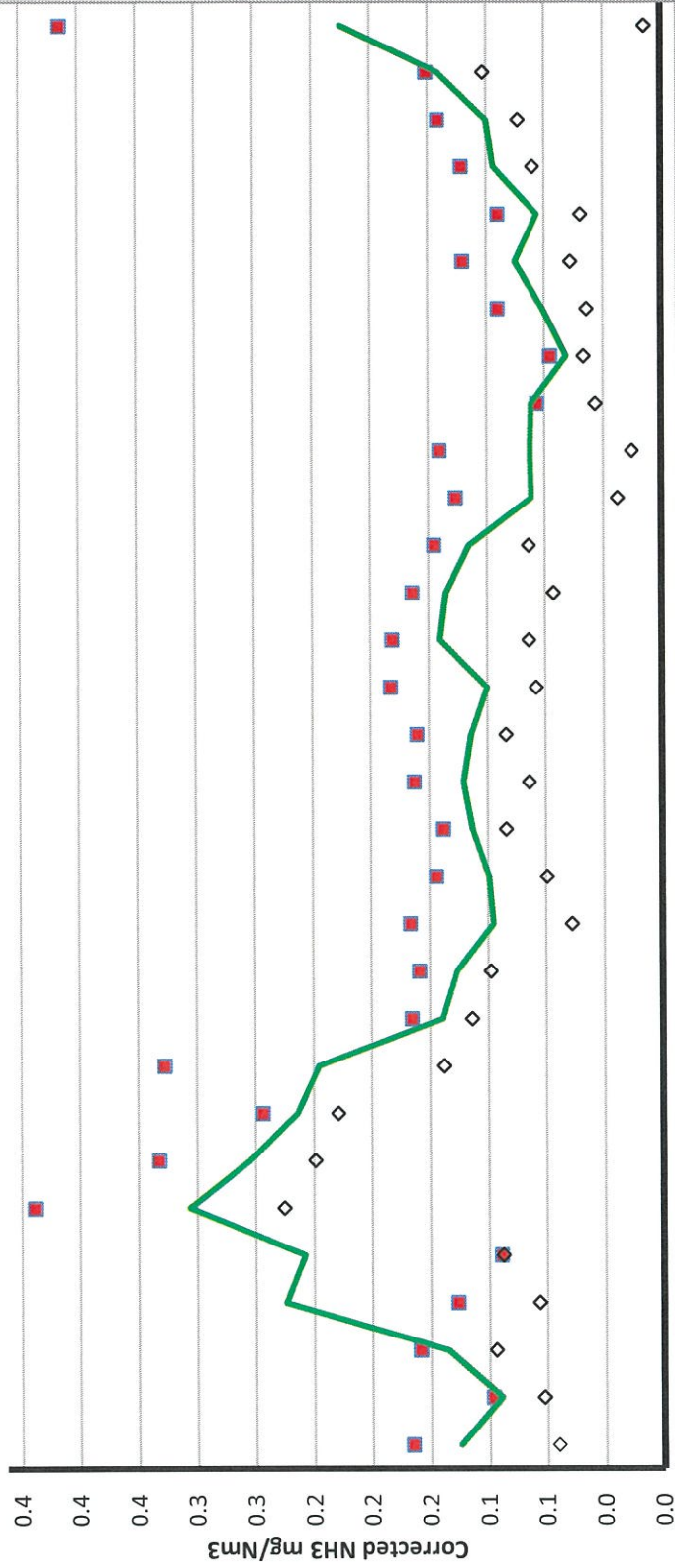
Average	Monthly Summary		Date																																
	Monthly maximum	--	30 min average ELV1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
30 min	Monthly maximum	286.6	Maximum 30 min average	195.5	202.1	247.0	198.2	224.0	201.6	196.5	233.8	196.8	191.0	223.1	250.8	206.0	197.3	205.3	205.6	194.5	199.2	191.1	201.9	238.3	286.6	217.3	209.7	214.8	207.5	220.1	193.0	221.7	193.6	223.2	
	Monthly mean	212.5	Mean 30 min average	171.4	181.0	179.2	177.3	166.2	169.0	178.3	186.5	175.7	172.1	177.3	166.2	170.5	172.0	167.0	175.2	170.8	169.6	171.5	177.8	176.9	173.9	171.7	176.9	179.9	181.1	176.8	177.6	182.0	176.3	157.0	
	Monthly minimum	93.8	Minimum 30 min average	148.8	113.2	156.2	157.9	161.4	136.4	159.0	158.2	157.2	152.7	156.5	93.8	148.9	145.9	136.4	157.5	150.1	132.8	141.8	142.1	137.8	113.9	148.8	159.5	157.9	161.4	155.9	163.1	162.4	160.7	133.3	
	Total invalid results	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	
24 hr	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	0		
	Monthly maximum	--	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	
	No. invalid days	186.5	Daily average	171.4	181.0	179.2	177.3	166.2	169.0	178.3	186.5	175.7	172.1	177.3	166.2	170.5	172.0	167.0	175.2	170.8	169.6	171.5	177.8	176.9	173.9	171.7	176.9	179.9	181.1	176.8	177.6	182.0	176.3	157.0	
	Value exceeds ELV1?	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	

Signed
Date: 8/2/17
(Authorised to sign as representative of Operator)

Reporting of Continuously Monitored Emissions to Air for Ammonia Emission Point A20 for the month of December 2017

Daily and 30 min Average monitoring

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



Monthly Summary		Date																																
24 hr Average	Monthly maximum	0.4	Maximum 30 min average																															
	Monthly mean	0.2	Mean 30 min average																															
	Monthly minimum	0.0	Minimum 30 min average																															
	Total invalid results	0	No. invalid averages																															
24 hr Average	Monthly maximum	0.3	Daily average																															
	No. invalid days	0	Value valid ?																															

[Signature]

Signed
(Authorised to sign as representative of Operator)

8/2/18
Date.....