

Month End Report

UPM-Kymmene (UK)

Permit Reference PP3936SQ

Installation Shotton Paper

To

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Please find enclosed graphs / reports for Continuously Monitored Emissions to Air A2 to A8 for the period ending 31st October 2016.

During the period you will note that on 26th October there was 4 instances of invalid half hour data this was as a result of CEMs service. This will be added to the 2016 CEMs validation log

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

Best Regards



Kevin Smith

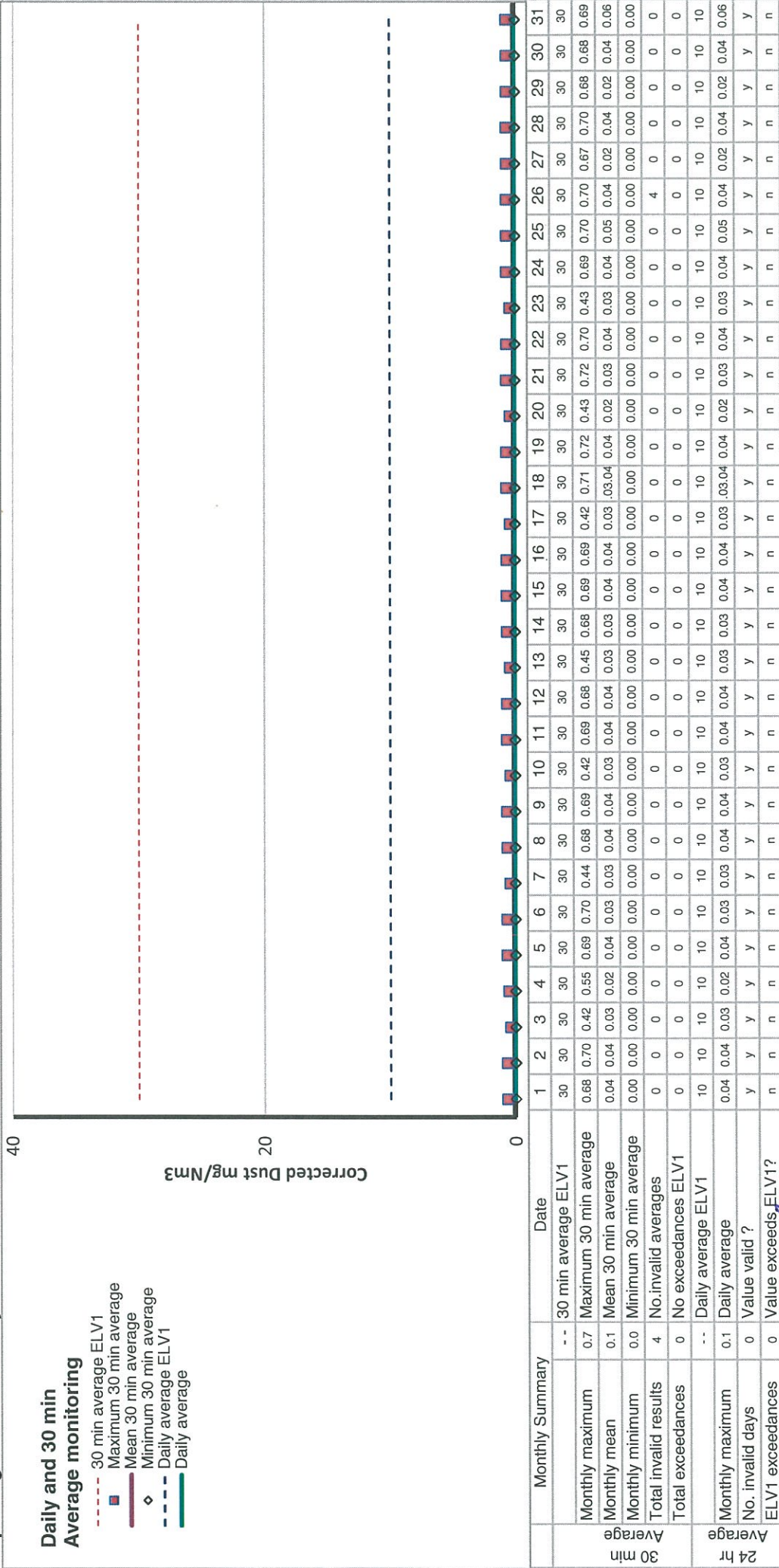
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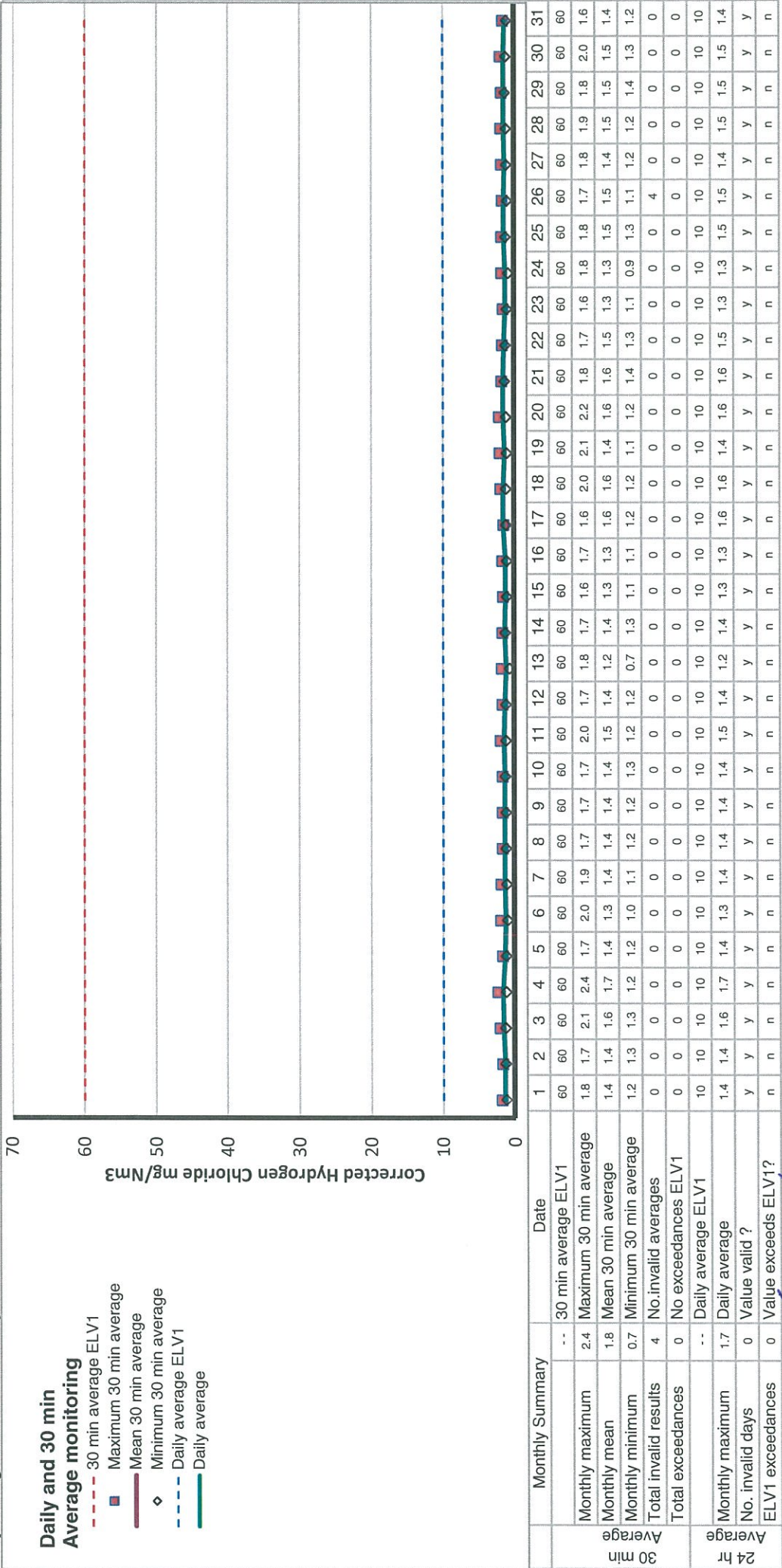
Reporting of Continuously Monitored Emissions to Air for Particulates Emission Point A20 for the month of October 2016



Signed Date 21/11/16

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Reporting of Continuously Monitored Emissions to Air for Hydrogen Chloride Emission for the month of October 2016



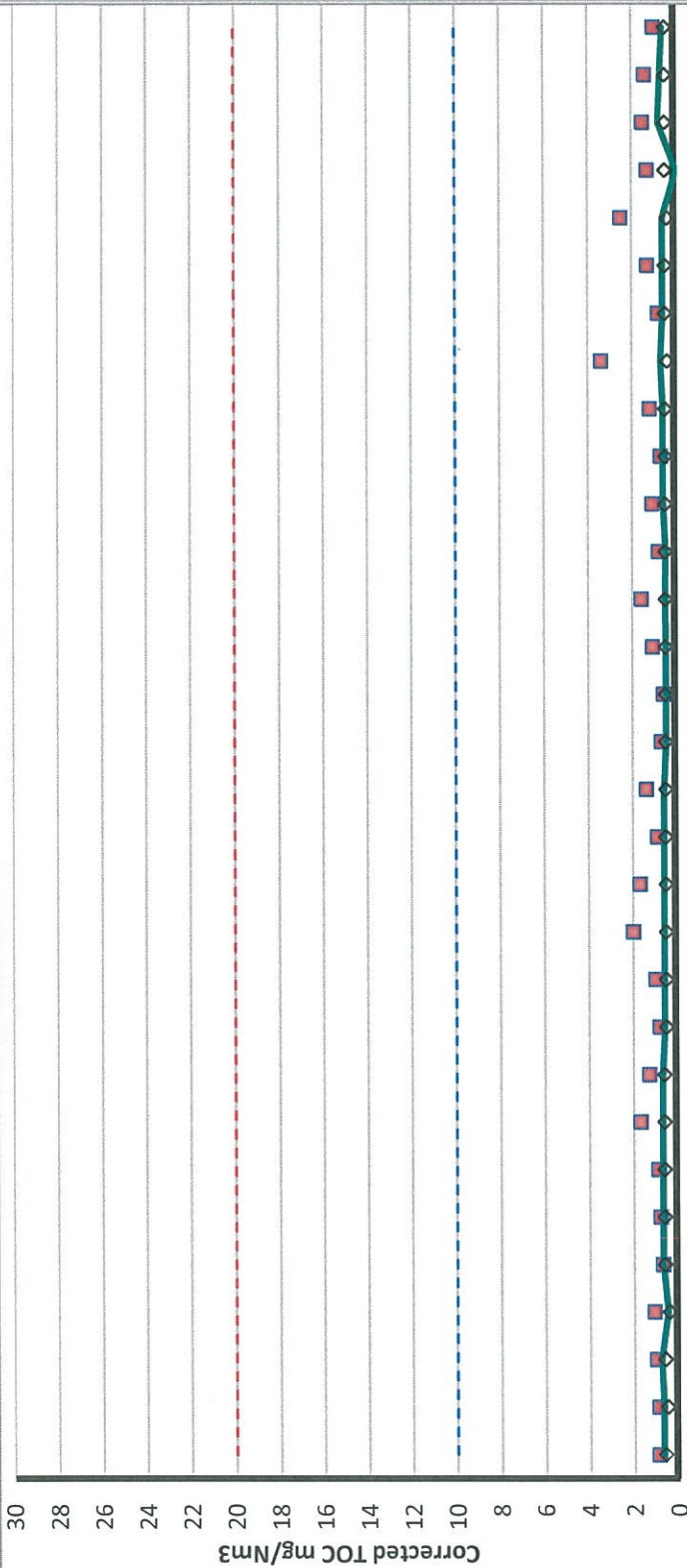
Signed  Date: 21/11/16

(Authorised to sign as representative of Operator)

Reporting of Continuously Monitored Emissions to Air for TOC Emission Point A20 for the month of October 2016

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

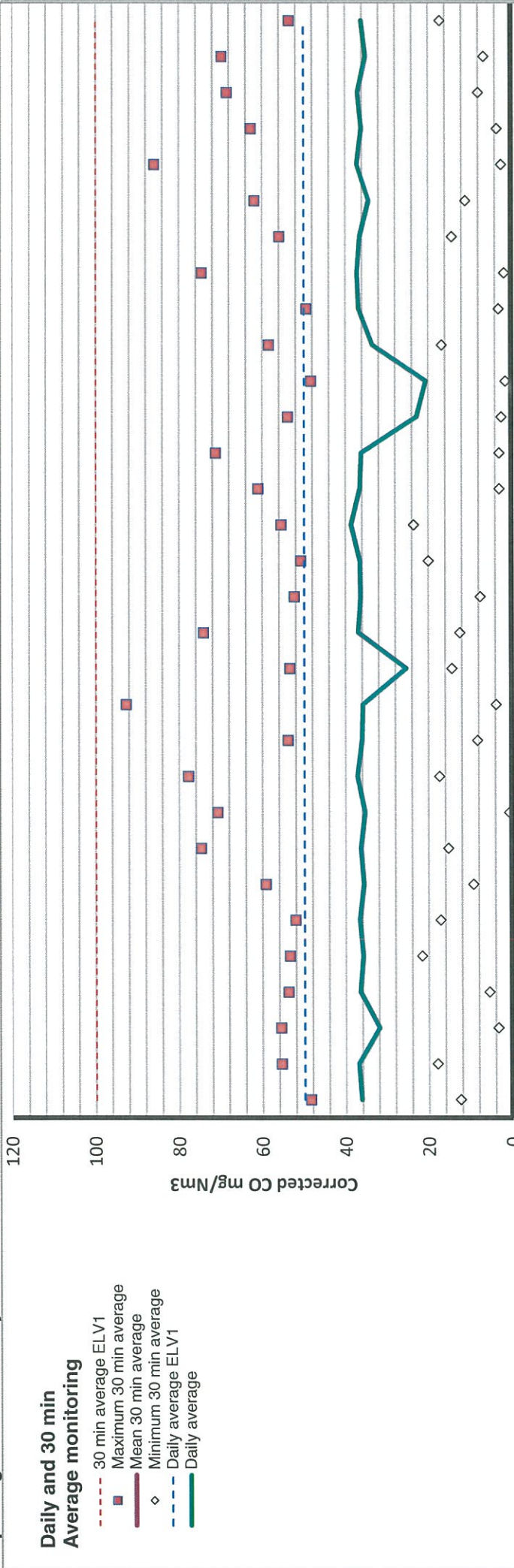


30 min Average	Monthly Summary		Date		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
			--	30 min average ELV1	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	
30 min Average	Monthly maximum	3.4	Maximum 30 min average		0.9	0.9	1.0	1.1	0.7	0.8	0.9	1.7	1.3	0.8	1.0	2.0	1.7	0.9	1.4	0.7	0.6	1.1	1.6	0.8	1.1	0.7	1.2	3.4	0.8	1.3	2.5	1.3	1.5	1.4	1.0	
	Monthly mean	1.2	Mean 30 min average		0.7	0.7	0.8	0.5	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.7	0.6	0.6	0.6	0.6	0.8	0.7	0.6	
	Monthly minimum	0.4	Minimum 30 min average		0.6	0.5	0.6	0.4	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.5	0.4	0.5	0.5	0.5	0.5	0.5	
	Total invalid results	4	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
24 hr Average	Total exceedances		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	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	0.8	Daily average		0.7	0.7	0.8	0.5	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.7	0.6	0.6	0.6	0.6	0.6	0.8	0.7	0.6
	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	y	y
24 hr 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	n	n	n	n	n

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Reporting of Continuously Monitored Emissions to Air for Carbon Monoxide Emission Point A20 for the month of October 2016

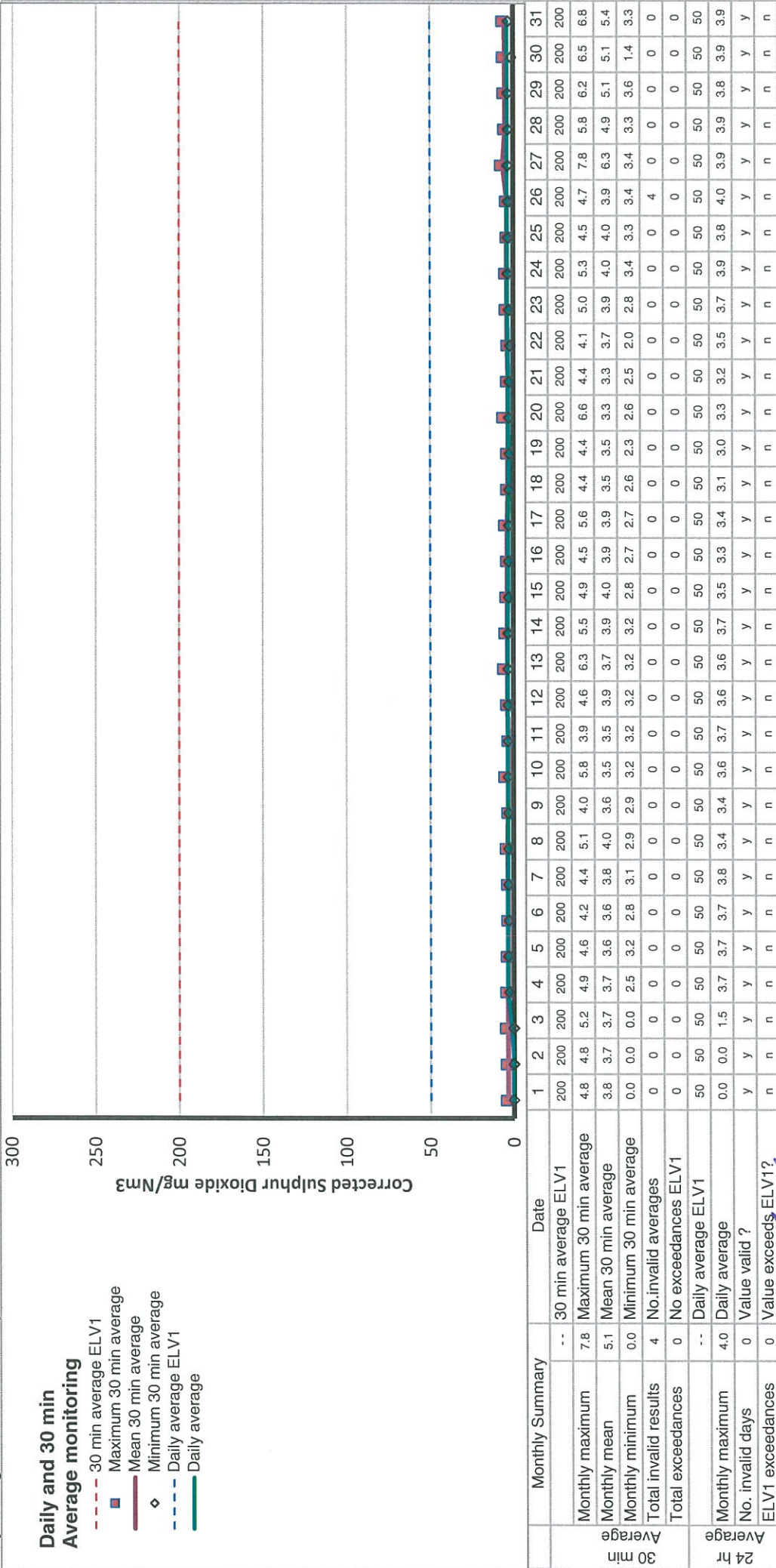


30 min Average	Monthly Summary		Date		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
	- -	30 min average ELV1	48.5	55.5	55.6	53.8	53.5	52.1	59.2	74.7	70.7	77.8	53.9	92.7	53.4	74.1	52.3	50.8	55.5	61.0	71.2	53.9	48.3	58.4	49.4	74.5	55.9	61.8	85.9	62.7	68.4	69.7	53.5			
30 min Average	Monthly maximum	92.7	Maximum 30 min average	36.3	37.0	32.0	36.6	35.9	36.7	35.7	36.4	35.4	37.2	36.1	35.9	25.4	37.0	36.4	36.6	38.7	36.6	36.2	22.9	20.6	33.5	36.8	37.2	36.5	34.4	37.2	36.1	37.0	35.1	36.1		
	Monthly mean	36.3	Mean 30 min average	0.7	12.5	18.0	3.4	5.5	21.6	17.2	9.3	15.3	0.7	17.4	8.3	3.8	14.4	12.5	7.6	20.0	23.6	3.0	3.0	2.5	1.5	16.8	3.1	1.8	14.3	11.1	2.5	3.5	8.0	6.7	17.2	
	Monthly minimum	0.7	Minimum 30 min average	4	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 invalid results	4	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	0
24 hr Average	Total exceedances	0	No exceedances 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	50
	Monthly maximum	38.7	Daily average ELV1	36.3	37.0	32.0	36.6	35.9	36.7	35.7	36.4	35.4	37.2	36.1	35.9	25.4	37.0	36.4	36.6	38.7	36.6	36.2	22.9	20.6	33.5	36.8	37.2	36.5	34.4	37.2	36.1	37.0	35.1	36.1	36.1	
	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	y	y	
	ELV1 exceedances	0	Value exceeds ELV1?																																	

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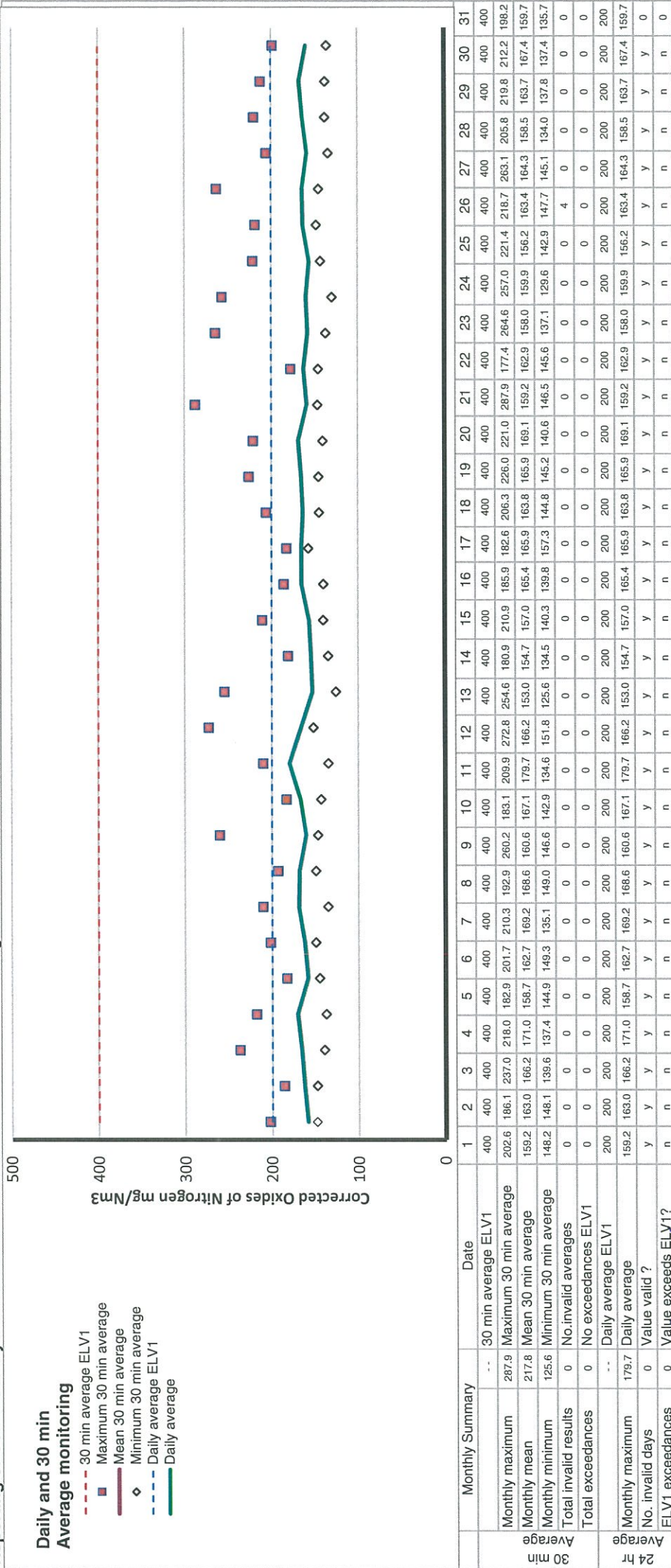
Reporting of Continuously Monitored Emissions to Air for Sulphur Dioxide Emission Point A20 for the month of October 2016



Signed Date 21/11/16

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Reporting of Continuously Monitored Emissions to Air for Oxides of Nitrogen Emission Point A20 for the month of October 2016

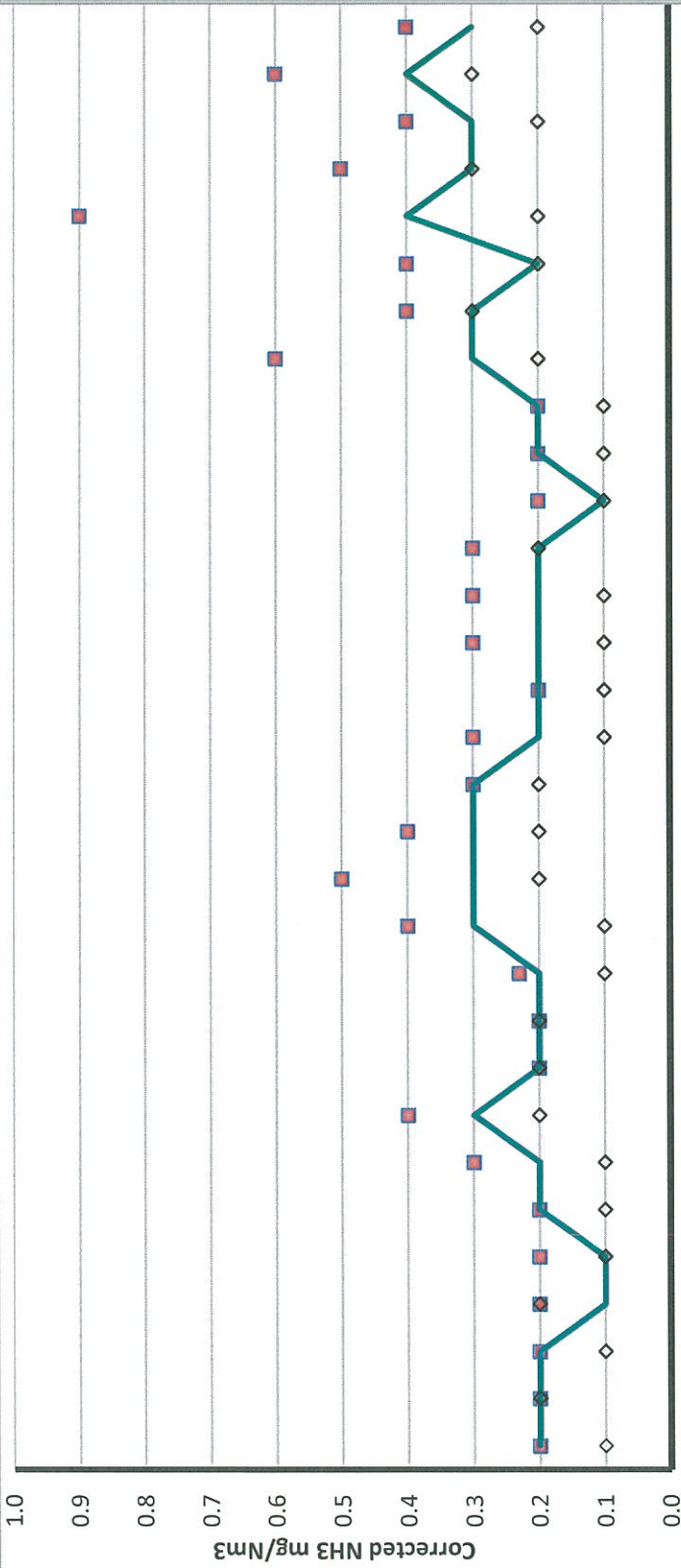


Signed Date: 21/11/16
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Reporting of Continuously Monitored Emissions to Air for Ammonia Emission Point A20 for the month of October 2016

Daily and 30 min
Average monitoring

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



Average 30 min 4 hr	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	0.9	Maximum 30 min average	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.4	0.2	0.2	0.2	0.4	0.5	0.4	0.3	0.3	0.2	0.3	0.3	0.2	0.3	0.2	0.2	0.2	0.6	0.4	0.4	0.9	0.5	0.4	0.6	0.4
	Monthly mean	0.3	Mean 30 min average	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.3	0.2	0.4	0.3	0.3	0.4	0.3	
	Monthly minimum	0.1	Minimum 30 min average	0.1	0.2	0.1	0.2	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.2	0.3	0.2	0.2	0.3	0.2	0.3	0.2
	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	4	0	0	0	0	0
Aver	Monthly maximum	0.4	Daily average	0.2	0.2	0.2	0.1	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.2	0.2	0.3	0.2	0.2	0.4	0.3	0.3	0.4	0.3
	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	y	y

[Signature]

Signed
(Authorised to sign as representative of Operator)

Date.....
21/11/16