



2nd April 2019

Environment Agency
North Ridings Region
Ridings Area
Bowbridge Close
Bradmarsh Business Park
Templeborough
ROTHERHAM
S60 1BY

Your Ref:
Our ref: KGD/AC
RepPeriodEndingMar2019

FAO MR P BUCHANAN

Dear Mr Buchanan

Please find enclosed, completed reports for the period ending 31st March 2019 reported within the Permit requirements BM4082:

Report of Continuously Monitored Emissions to Air

Yours sincerely

A handwritten signature in blue ink, appearing to read 'Kris GilloTT-Danks', written over a light blue horizontal line.

KRIS GILLOTT-DANKS
OPERATIONS MANAGER

Enc

Cc: Ms G Charters

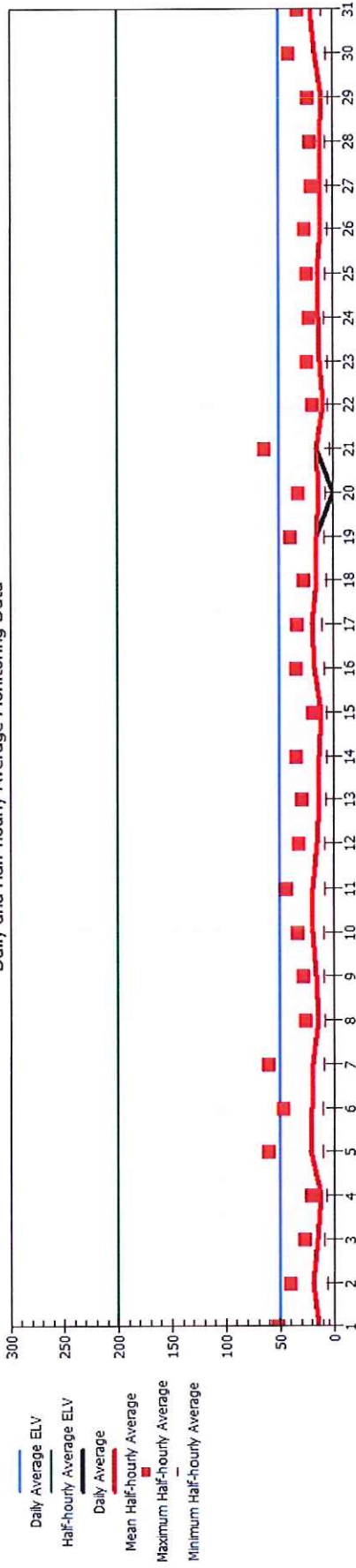
Permit Reference Number : BM4082
 Installation: Bernard Road, Sheffield

Operator : Veolia ES Sheffield Ltd
 Form Number: BM4082/PP3332SL/A8

Date of Form: 02/01/2007

Reporting of Continuously Monitored Emissions to Air for SO2 mg/Nm3 at Emission Point A1 For the month of March 2019

Daily and Half-hourly Average Monitoring Data



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
Half-hourly average	Monthly maximum	Half-hourly average ELV	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
	Monthly mean	Maximum Half-hourly average	51	40	27	20	60	47	60	25	27	33	43	32	28	34	19	34	33	27	39	31	63	19	23	21	24	26	19	21	23	40	31
	Monthly minimum	Mean Half-hourly average	14	20	15	12	21	21	19	15	16	19	19	15	13	13	11	17	19	15	15	13	15	9	12	13	14	11	11	12	10	16	21
	Total Invalid results	Minimum Half-hourly average	5	6	8	7	10	10	9	8	9	9	8	8	6	5	6	8	10	6	7	6	3	5	4	7	4	4	6	3	6	10	
	Sum of exceedances	No of 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
Daily average	Monthly maximum	Half-hourly average ELV	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	
	No of invalid days	Daily average	14	20	15	12	21	21	19	15	16	19	19	15	13	13	11	17	19	15	15	13	15	9	12	13	14	11	11	12	10	16	21
	Sum of exceedances	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
		Value Exceeds ELV?	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: *[Signature]* Date: 02/04/2019

(Authorised to sign as a representative of the Operator)

Permit Reference Number : BM4082

Installation: Bernard Road, Sheffield

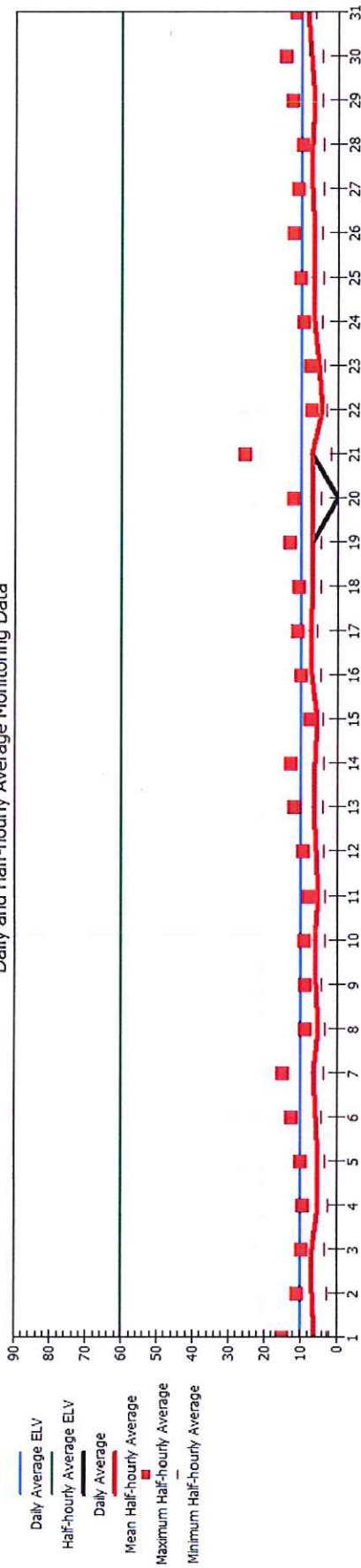
Operator : Veolia ES Sheffield Ltd

Form Number: BM4082/PP3332SL/A4

Date of Form: 02/01/2007

Reporting of Continuously Monitored Emissions to Air for HCl mg/Nm3 at Emission Point A1 For the month of March 2019

Daily and Half-hourly Average Monitoring Data



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		
Half-hourly average	Monthly maximum	Half-hourly average ELV	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	
	Monthly mean	Maximum Half-hourly average	14.8	10.9	9.6	9.3	10.0	12.4	4.8	6.5	8.5	9.0	7.6	9.3	11.8	12.7	7.5	10.0	10.7	10.5	12.9	12.2	25.7	7.0	7.3	9.2	10.3	12.2	10.9	9.7	12.3	14.2	11.4		
	Monthly minimum	Mean Half-hourly average	6.0	6.7	6.7	5.2	5.2	5.9	6.3	5.2	5.7	6.1	5.1	5.7	6.4	6.0	5.6	7.0	7.4	6.8	6.9	6.7	7.1	4.4	5.3	6.4	6.7	6.4	6.9	7.0	6.4	7.2	8.2		
	Total Invalid results	Minimum Half-hourly average	2.6	2.6	3.3	2.5	3.3	4.3	3.6	3.4	4.1	3.3	3.3	3.7	4.0	3.6	4.0	4.6	5.6	4.5	4.5	4.4	1.8	3.1	3.5	4.1	4.0	4.4	3.9	3.9	4.3	4.2	6.0		
Daily average	No of invalid days	No of 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	
	Sum of exceedances	No of exceedances of ELV	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	
	Monthly maximum	Daily average ELV	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
	Sum of exceedances	Daily average	6.0	6.7	6.7	5.2	5.2	5.9	6.3	5.2	5.7	6.1	5.1	5.7	6.4	6.0	5.6	7.0	7.4	6.8	6.9	6.7	N/A	7.1	4.4	5.3	6.4	6.7	6.4	6.9	7.0	6.4	7.2	8.2	
	No of invalid days	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	
	Sum of exceedances	Value Exceeds ELV?	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	

Signed:  Date: 02/04/2019

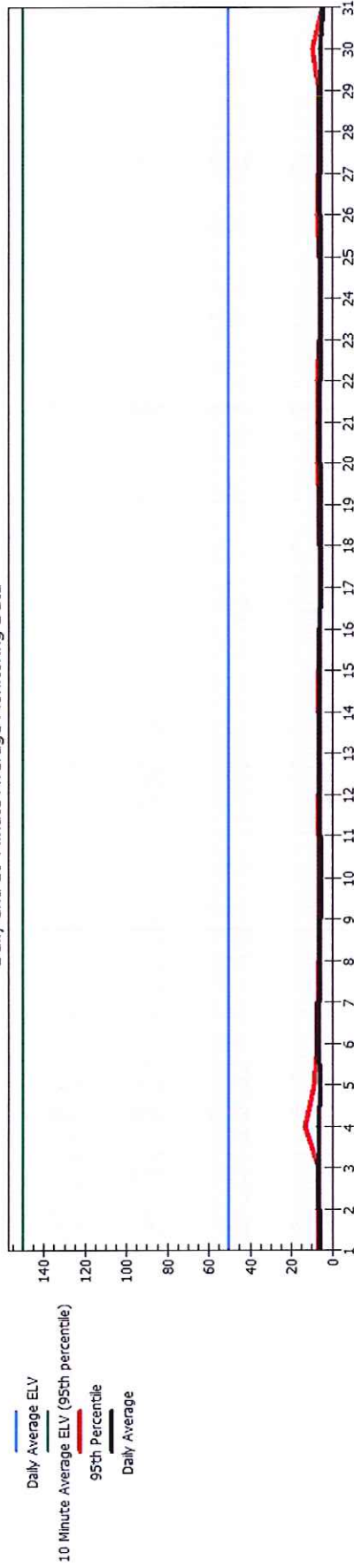
(Authorised to sign as a representative of the Operator)

Permit Reference Number : BM4082
 Installation: Bernard Road, Sheffield

Operator : Veolia ES Sheffield Ltd
 Form Number:

Reporting of Continuously Monitored Emissions to Air for CO mg/Nm3 at Emission Point A1 For the month of March 2019

Daily and 10 Minute Average Monitoring Data



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	
10 Minute average	10 Minute average ELV (95th Percentile)		150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	150	
	Monthly Maximum	84	15	26	7	21	15	11	8	11	35	8	9	79	7	8	18	84	20	9	8	9	70	13	7	71	7	8	24	9	7	22	5	
	Monthly 95th Percentile	13	7	7	13	9	7	7	7	7	6	6	7	7	6	7	7	6	6	6	6	6	7	7	6	6	6	6	7	6	6	6	10	5
	Monthly minimum	1	3	4	3	2	3	3	4	3	3	2	2	2	3	2	3	2	3	2	1	3	1	3	2	2	3	1	2	4	3	2	1	
	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	0
Daily average	Sum of Exceedances of 95th percentile ELV	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 ELV	7	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	
	No of invalid days	1	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	
	Sum of 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	N

Signed:  Date: 02/04/2019
 (Authorised to sign as a representative of the Operator)

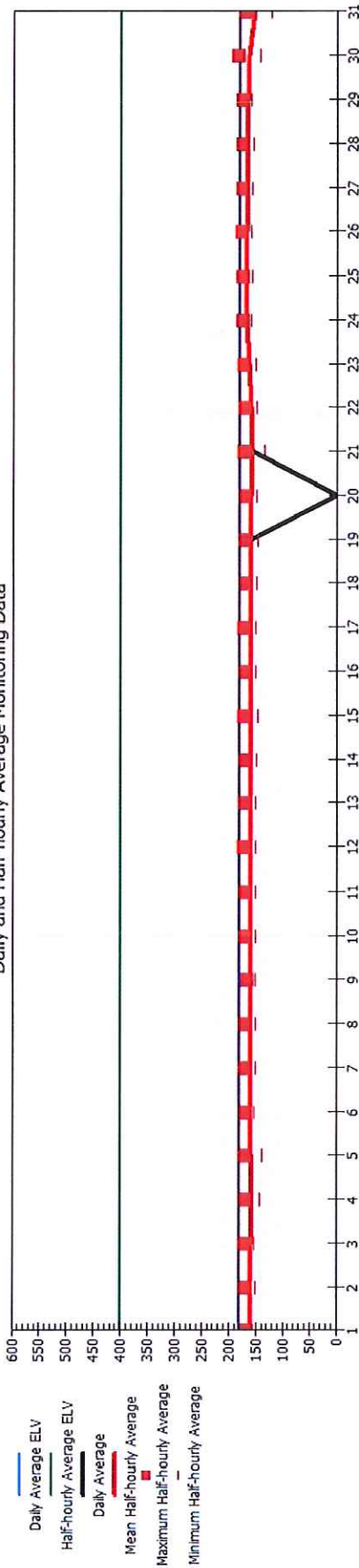
Permit Reference Number : BM4082
 Installation: Bernard Road, Sheffield

Operator : Veolia ES Sheffield Ltd
 Form Number: BM4082/PP3332SLJA9

Date of Form: 02/01/2007

Reporting of Continuously Monitored Emissions to Air for NOx mg/m3 at Emission Point A1 For the month of March 2019

Daily and Half-hourly Average Monitoring Data



Half-hourly 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		
Half-hourly average ELV	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	400	
Maximum Half-hourly average	167	169	170	168	171	168	170	169	167	168	168	173	170	169	172	169	173	168	170	167	173	170	172	175	175	176	175	174	184	171			
Mean Half-hourly average	160	160	161	157	159	161	161	161	160	161	160	161	161	161	161	161	161	160	161	160	160	158	160	164	168	168	168	167	168	167	165	153	
Minimum Half-hourly average	150	151	154	143	138	154	152	151	151	151	152	152	151	149	148	151	152	149	148	150	134	149	152	161	158	160	158	157	160	142	123		
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		
Sum of exceedances of ELV	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 ELV	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180		
Daily average	160	160	161	157	159	161	161	161	160	161	160	161	161	161	161	161	160	161	160	160	N/A	158	160	164	168	168	168	167	168	167	165	153	
No of 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		
Sum of 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		

Signed: *[Signature]* Date: 02/04/2019

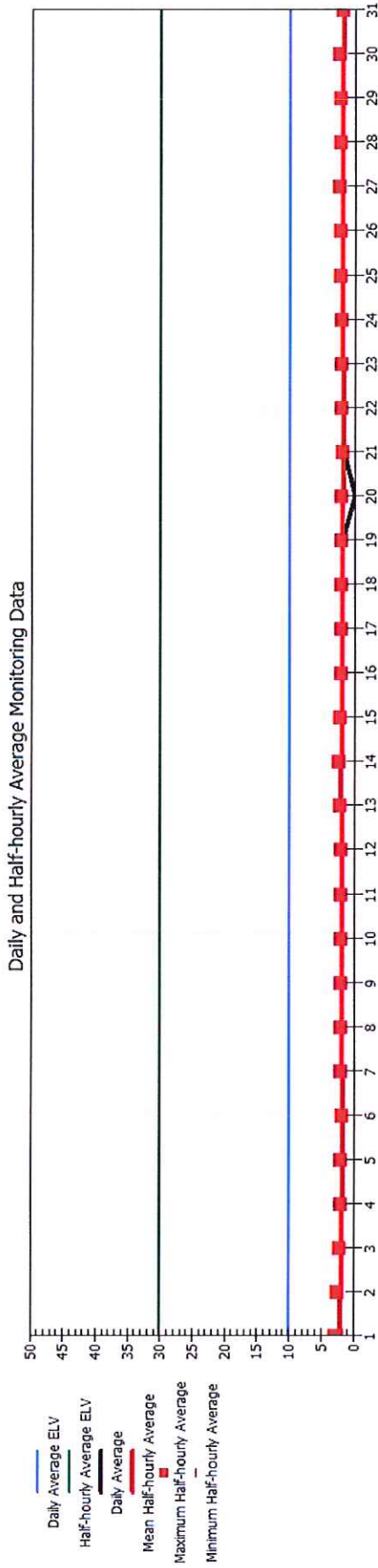
(Authorised to sign as a representative of the Operator)

Permit Reference Number : BM4082

Operator : Veolia ES Sheffield Ltd

Installation: **Bernard Road, Sheffield**
Reporting of Continuously Monitored Emissions to Air for Particulate Matter mg/Nm3 at Emission Point A1 For the month of March 2019

Date of Form: 02/01/2007



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		
Half-hourly average ELV			30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
Monthly maximum	2.8	Maximum Half-hourly average	2.8	2.6	2.2	2.0	2.0	1.8	2.0	1.9	1.9	1.9	2.0	2.1	2.2	2.3	2.2	2.0	2.1	2.0	2.0	2.0	1.9	2.0	2.1	1.9	2.1	2.2	2.3	2.1	2.1	2.4	2.1	1.8	
Monthly mean	1.8	Mean Half-hourly average	2.1	2.0	1.8	1.7	1.7	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.9	2.0	2.0	1.9	1.8	1.8	1.8	1.8	1.6	1.7	1.8	1.8	1.8	1.9	1.9	1.8	1.8	1.9	1.7	1.7	
Monthly minimum	1.5	Minimum Half-hourly average	1.7	1.8	1.6	1.6	1.7	1.7	1.7	1.8	1.7	1.8	1.7	1.8	1.7	1.8	1.8	1.7	1.7	1.7	1.7	1.5	1.5	1.6	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.6	1.6	
Total Invalid results	0	No of 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	
Sum of exceedances	0	No of exceedances of ELV	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		Daily average ELV	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	10
Monthly maximum	2.1	Daily average	2.1	2.0	1.8	1.7	1.7	1.8	1.8	1.8	1.8	1.8	1.8	1.9	2.0	2.0	1.9	1.8	1.8	1.8	1.8	N/A	1.6	1.7	1.8	1.8	1.8	1.9	1.9	1.8	1.8	1.9	1.7	1.7	
No of 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	
Sum of exceedances	0	Value Exceeds ELV?	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	

Signed:  Date: 02/04/2019

(Authorised to sign as a representative of the Operator)

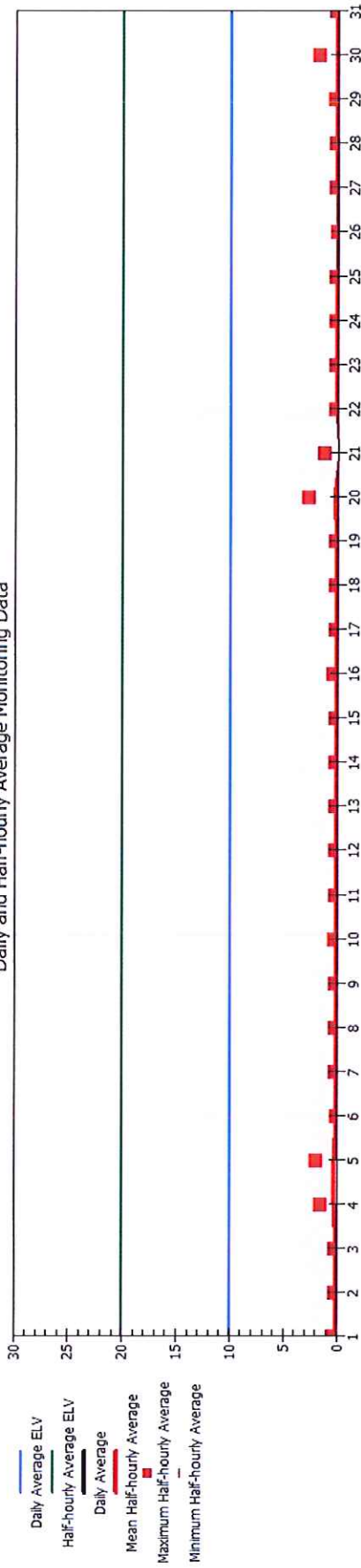
Permit Reference Number : BM4082
 Installation: Bernard Road, Sheffield

Operator : Veolia ES Sheffield Ltd
 Form Number: BM4082/PP3332SUA5

Date of Form: 02/01/2007

Reporting of Continuously Monitored Emissions to Air for TOC mg/Nm3 at Emission Point A1 For the month of March 2019

Daily and Half-hourly Average Monitoring Data



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	
Half-hourly average	Half-hourly average ELV		20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	20.0	
	Monthly maximum	2.7	0.2	0.2	0.1	1.5	1.9	0.1	0.2	0.2	0.1	0.2	0.2	0.1	0.1	0.1	0.4	0.2	0.2	0.2	0.2	2.7	1.2	0.2	0.1	0.2	0.1	0.1	0.1	0.1	0.2	1.7	0.1	
	Monthly mean	0.1	0.1	0.0	0.2	0.2	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.0	0.1	0.1	0.1	0.0	0.0	0.2	0.0	0.0	0.1	0.1	0.1	0.0	0.1	0.1	0.2	0.1		
	Monthly minimum	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	0.0	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	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
Daily average	Sum of exceedances of ELV	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 ELV		10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
	Monthly maximum	0.2	0.1	0.1	0.0	0.2	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.0	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.2	0.1
	No of 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	
Sum of exceedances	Value Exceeds ELV?	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: *[Signature]* Date: 02/04/2019
 (Authorised to sign as a representative of the Operator)