

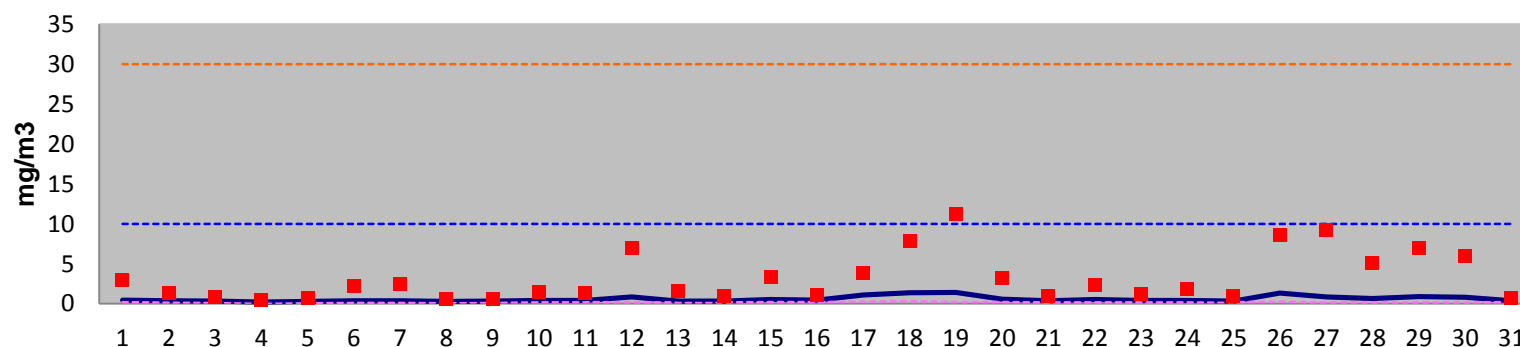
Permit Reference no: WP3836ZF  
 Operator: Tradebe Healthcare National Limited  
 Installation: Wrexham Clinical Waste Incinerator

Variation Reference Number: EPR/MP3239FQ/V002  
 Form Number : Agency Form / A2/ Form Dated 20 October 2011

## Reporting of Continuously Monitored Emissions to Air for Particulates from Emission Point A1 for the month of December 2016

### Daily and Half Hourly Average Monitoring Data

- Daily average ELV
- Half-hour average ELV
- Mean half hour average
- Maximum half hour average
- Minimum half hourly average
- 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
			Half-hour 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
Half-hourly average	Monthly maximum	11.2	Maximum half hour average	2.99	1.32	0.84	0.43	0.74	2.24	2.43	0.58	0.62	1.45	1.29	6.96	1.6	0.9	3.36	1.11	3.87	7.81	11.2	3.16	0.94	2.32	1.14	1.84	0.9	8.6	9.19	5.04	6.92	5.94	0.69
	Monthly mean	0.6	Mean half hour average	0.46	0.36	0.33	0.2	0.29	0.37	0.36	0.29	0.34	0.42	0.42	0.84	0.33	0.33	0.54	0.44	1.09	1.36	1.4	0.56	0.38	0.52	0.42	0.41	0.35	1.35	0.85	0.67	0.88	0.8	0.38
	Monthly minimum	0.1	Minimum half hourly average	0.21	0.16	0.16	0.14	0.15	0.14	0.15	0.16	0.18	0.2	0.21	0.18	0.16	0.18	0.21	0.22	0.27	0.33	0.2	0.2	0.18	0.18	0.17	0.17	0.22	0.25	0.18	0.16	0.19	0.18	0.2
	Total invalid results	14.2	No. of invalid results	1	2	0	0	0	0	0	2	0	0	0	0.21	0	0	0	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Sum of exceedances	0.0	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
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
	Monthly maximum	1.4	Daily average	0.46	0.36	0.33	0.2	0.29	0.37	0.36	0.29	0.34	0.42	0.42	0.84	0.33	0.33		0.44	1.09	1.36	1.4	0.56	0.38	0.52	0.42	0.41	0.35	1.35	0.85	0.67	0.88	0.8	0.38
	No. of invalid days	0.0	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
	Sum of exceedances	0.0	Value exceeds ELV (Y/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.....  
 (authorised to sign as representative of the Operator)

01st - QAL3

02nd - stopped loading due to high emissions  
8th - QAL 3  
9th - Stopped loading due to high emissions  
15th - Stopped loading to change Lime feed pipework  
16th - QAL 3  
22th - FID Monitor Calibration Fault, CO reading used



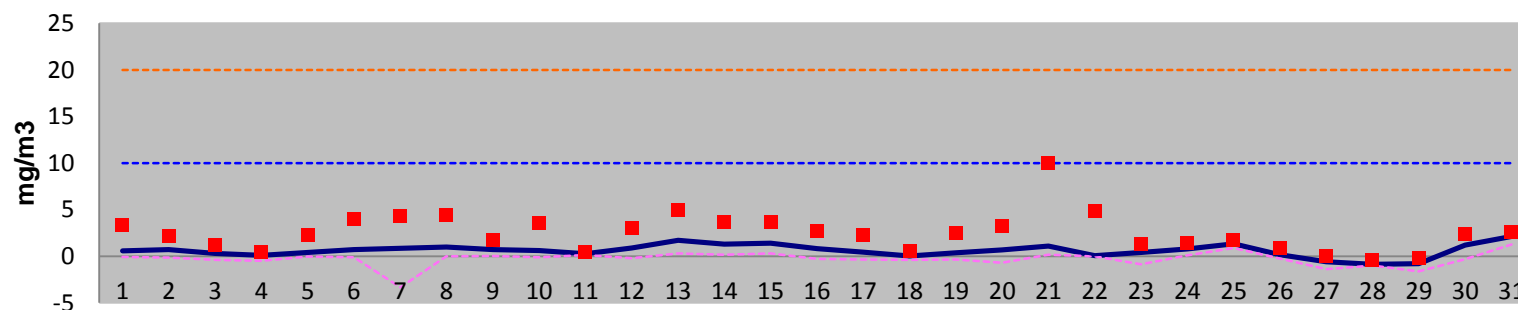
Permit Reference no: WP3836ZF  
Operator: Tradebe Healthcare National Limited  
Installation: Wrexham Clinical Waste Incinerator

Variation Reference Number: EPR/MP3239FQ/V002  
Form Number : Agency Form / A4/ Form Dated 20 October 2011

### Reporting of Continuously Monitored Emissions to Air for VOC from Emission Point A1 for the month of December 2016

#### Daily and Half Hourly Average Monitoring Data

- Daily average ELV
- Half-hour average ELV
- Mean half hour average
- Maximum half hour average
- Minimum half hourly average
- 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
			Half-hour average ELV	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	
Half-hourly average	Monthly maximum	10.0	Maximum half hour average	3.39	2.12	1.23	0.46	2.23	4	4.28	4.4	1.76	3.59	0.41	2.95	4.91	3.69	3.61	2.66	2.27	0.53	2.44	3.21	9.95	4.83	1.24	1.41	1.68	0.83	0.03	-0.5	-0.2	2.41	2.6
	Monthly mean	0.6	Mean half hour average	0.57	0.7	0.29	0.09	0.39	0.72	0.84	0.99	0.72	0.61	0.26	0.89	1.7	1.29	1.39	0.83	0.45	0.04	0.37	0.69	1.08	0.07	0.41	0.79	1.32	0.15	-0.6	-0.9	-0.8	1.2	2.11
	Monthly minimum	-3.4	Minimum half hourly average	-0.1	-0.2	-0.4	-0.5	-0.1	-0.1	-3.4	0	0.02	-0.1	0.13	-0.2	0.3	0.17	0.29	-0.3	-0.4	-0.4	-0.4	-0.7	0.18	0	-0.9	0.09	0.89	-0.2	-1.4	-1	-1.6	-0.3	1.28
	Total invalid results	16.4	No. of invalid results	1	2	0	0	0	0	0	2	1	0	0	0	0	0	7	2	0	0	0	0	0	0	0	0	0	0	0	1.38	0	0	0
	Sum of exceedances	0.0	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
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
	Monthly maximum	2.1	Daily average	0.57	0.7	0.29	0.09	0.39	0.72	0.84	0.99	0.72	0.61	0.26	0.89	1.7	1.29		0.83	0.45	0.04	0.37	0.69	1.08	0.07	0.41	0.79	1.32	0.15	-0.6	-0.9	-0.8	1.2	2.11
	No. of invalid days	0.0	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
	Sum of exceedances	0.0	Value exceeds ELV (Y/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.....  
(authorised to sign as representative of the Operator)



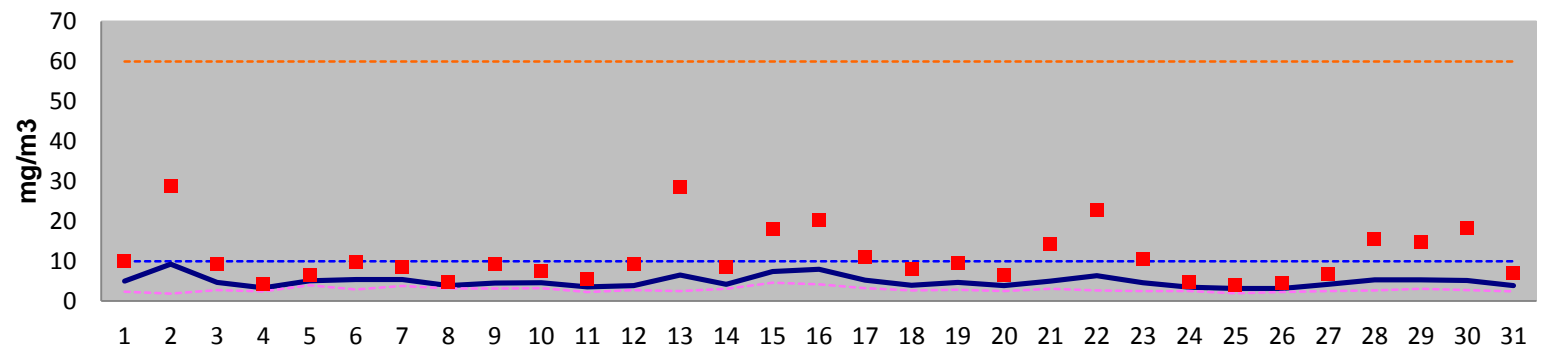
Permit Reference no: WP3836ZF  
 Operator: Tradebe Healthcare National Limited  
 Installation: Wrexham Clinical Waste Incinerator

Variation Reference Number: EPR/MP3239FQ/V002  
 Form Number : Agency Form / A3/ Form Dated 20 October 2011

# Reporting of Continuously Monitored Emissions to Air for Hydrogen Chloride from Emission Point A1 for the month of December 20

## Daily and Half Hourly Average Monitoring Data

- Daily average ELV
- Half-hour average ELV
- Mean half hour average
- Maximum half hour average
- Minimum half hourly average
- 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	30
			Half-hour average ELV	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
Half-hourly average	Monthly maximum	28.7	Maximum half hour average	9.95	28.7	9.14	4.32	6.59	9.75	8.41	4.74	9.11	7.42	5.58	9.17	28.6	8.6	18	20.4	11	8.05	9.49	6.57	14.1	22.7	10.5	4.72	3.91	4.52	6.7	15.5	14.6	18.2	6.98
	Monthly mean	4.9	Mean half hour average	5.03	9.22	4.69	3.31	5.11	5.4	5.43	3.84	4.55	4.63	3.52	3.9	6.51	4.23	7.38	7.95	5.26	3.98	4.66	3.86	5	6.35	4.61	3.44	3.19	3.16	4.18	5.3	5.33	5.17	3.86
	Monthly minimum	1.9	Minimum half hourly average	2.39	1.86	2.74	2.44	3.99	2.9	3.79	3.16	3.16	3.21	2.3	2.73	2.51	3.05	4.56	4.19	3.2	2.71	2.84	2.51	3.08	2.71	2.54	2.55	1.99	2.27	2.51	2.68	3.1	2.79	2.44
	Total invalid results	14.0	No. of invalid results	1	2	0	0	0	0	0	2	0	0	0	0	0	0	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Sum of exceedances	0.0	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
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
	Monthly maximum	9.2	Daily average	5.03	9.22	4.69	3.31	5.11	5.4	5.43	3.84	4.55	4.63	3.52	3.9	6.51	4.23		7.95	5.26	3.98	4.66	3.86	5	6.35	4.61	3.44	3.19	3.16	4.18	5.3	5.33	5.17	3.86
	No. of invalid days	0.0	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
	Sum of exceedances	0.0	Value exceeds ELV (Y/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.....  
 (authorised to sign as representative of the Operator)



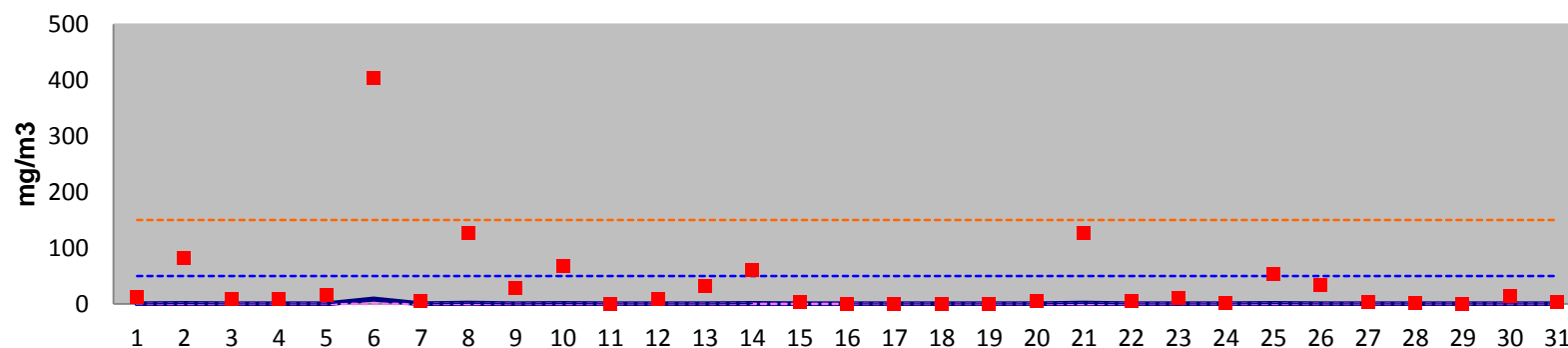
Permit Reference no: WP3836ZF  
Operator: Tradebe Healthcare National Limited  
Installation: Wrexham Clinical Waste Incinerator

Variation Reference Number: EPR/MP3239FQ/V002  
Form Number : Agency Form / A5/ Form Dated 20 October 2011

## Reporting of Continuously Monitored Emissions to Air for Carbon Monoxide from Emission Point A1 for the month of December 2016

### Daily and 10 minute Average Monitoring Data

- Daily average ELV
- 10 minute average ELV
- Mean 10 minute average
- Maximum 10 minute average
- Minimum 10 minute average
- 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	30
			10 minute average ELV	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
10 minute average	Monthly maximum	404.5	Maximum 10 minute average	12.9	82.1	8.45	8.49	16.3	405	5.22	127	28.6	67.6	0.75	7.72	31.6	61.3	2.78	0.67	0.11	0.04	0.09	5.3	128	4.83	10.8	1.66	53.1	33.5	4.19	1.66	0.06	14.58	2.75
	Monthly mean	0.5	Mean 10 minute average	0.17	0.53	0.15	0.09	0.24	8.62	0.05	1.05	0.25	0.57	0.01	0.06	0.3	0.59	0.05	0.01	0	0	0	0.04	1.55	0.07	0.08	0.03	0.86	0.3	0.03	0.03	0	0.16	0.06
	Monthly minimum	0.0	Minimum 10 minute average	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	26.0	No. of invalid results	2	2	0	0	0	0	0	2	0	0	0	0	0	0	18	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Sum of exceedances	4.0	No. of exceedances of ELV	0	0	0	0	0	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
Daily average			Daily 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	50
	Monthly maximum	8.6	Daily average	0.17	0.53	0.15	0.09	0.24	8.62	0.05	1.05	0.25	0.57	0.01	0.06	0.3	0.59		0.01	0	0	0	0.04	1.55	0.07	0.08	0.03	0.86	0.3	0.03	0.03	0	0.16	0.06
	No. of invalid days	0.0	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
	Sum of exceedances	0.0	Value exceeds ELV (Y/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.....  
(authorised to sign as representative of the Operator)





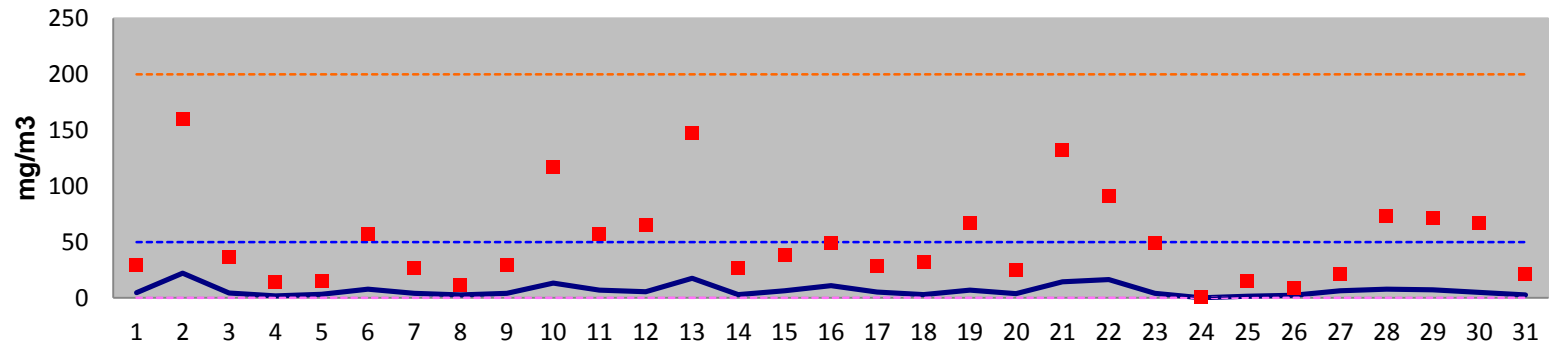
Permit Reference no: WP3836ZF  
 Operator: Tradebe Healthcare National Limited  
 Installation: Wrexham Clinical Waste Incinerator

Variation Reference Number: EPR/MP3239FQ/V002  
 Form Number : Agency Form / A6/ Form Dated 20 October 2011

### Reporting of Continuously Monitored Emissions to Air for Sulphur Dioxide from Emission Point A1 for the month of December 201

#### Daily and Half Hourly Average Monitoring Data

- Daily average ELV
- Half-hour average ELV
- Mean half hour average
- Maximum half hour average
- Minimum half hourly average
- 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	30
			Half-hour 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
Half-hourly average	Monthly maximum	159.7	Maximum half hour average	29.6	160	36.6	14.2	14.6	57.4	26.4	11.4	29.4	117	56.6	65.2	147	26.6	38	49	28	32	66.8	25.1	132	90.9	48.9	1	14.9	8.75	20.8	72.8	71.7	66.8	21.2
	Monthly mean	6.6	Mean half hour average	4.6	22.1	4.38	1.77	3.38	7.71	4.14	2.55	3.98	13.3	7.02	5.58	17.6	2.9	6.41	10.9	5.18	2.9	6.94	3.7	14.4	16.5	4	0.2	1.47	2.33	6.41	7.7	7.33	4.88	2.79
	Monthly minimum	0.0	Minimum half hourly average	0	0	0	0	0	0	0	0	0	0	0.11	0	0	0	0	0	0.35	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total invalid results	7.0	No. of invalid results	1	2	0	0	0	0	0	2	0	0	0	0	0	0		2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Sum of exceedances	0.0	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
Daily average			Daily 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	
	Monthly maximum	22.1	Daily average	4.6	22.1	4.38	1.77	3.38	7.71	4.14	2.55	3.98	13.3	7.02	5.58	17.6	2.9		10.9	5.18	2.9	6.94	3.7	14.4	16.5	4	0.2	1.47	2.33	6.41	7.7	7.33	4.88	2.79
	No. of invalid days	0.0	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	
	Sum of exceedances	0.0	Value exceeds ELV (Y/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.....  
 (authorised to sign as representative of the Operator)



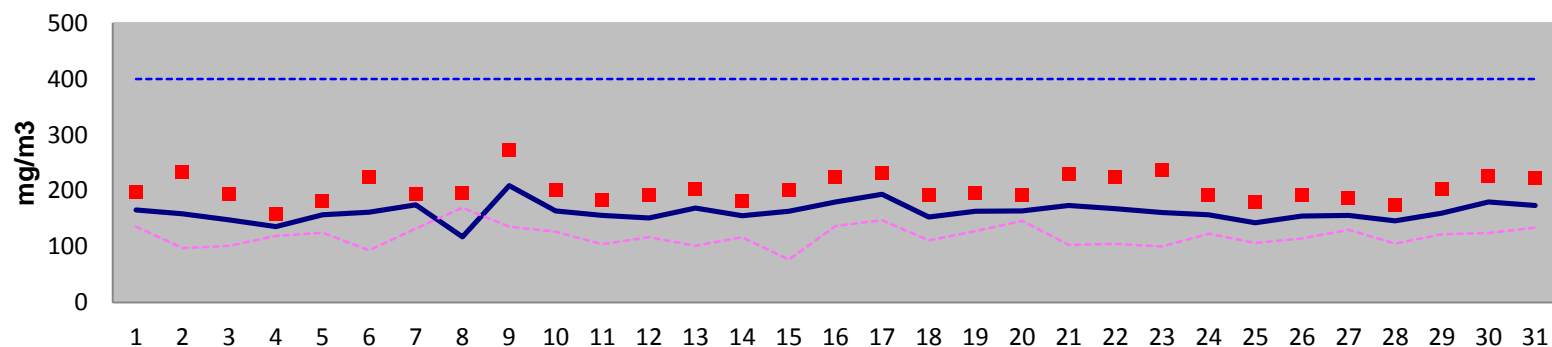
Permit Reference no: WP3836ZF  
Operator: Tradebe Healthcare National Limited  
Installation: Wrexham Clinical Waste Incinerator

Variation Reference Number: EPR/MP3239FQ/V002  
Form Number : Agency Form / A7/ Form Dated 20 October 2011

# Reporting of Continuously Monitored Emissions to Air for Oxides of Nitrogen from Emission Point A1 for the month of December 20

## Daily and Half Hourly Average Monitoring Data

- Daily average ELV
- Half-hour average ELV
- Mean half hour average
- Maximum half hour average
- Minimum half hourly average
- 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	30
			Half-hour average ELV																															
Half-hourly average	Monthly maximum	273.2	Maximum half hour average	198	232.81	195	159	182	224	194	196	273	201	182	193	204	182	201	225	232	192	196	192	229	225	237	192	180	192	187	175	202	226	222
	Monthly mean	161.8	Mean half hour average	166	158.81	148	136	157	162	175	118	209	164	156	151	169	155	164	180	194	153	163	164	174	168	161	157	143	155	156	146	160	180	174
	Monthly minimum	76.8	Minimum half hourly average	136	97.31	101	119	125	93.6	132	170	136	127	104	117	102	117	76.8	137	148	111	128	146	103	105	101	124	107	115	130	105	122	125	134
	Total invalid results	14.0	No. of invalid results	1	2	0	0	0	0	0	2	0	0	0	0	0	0	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Sum of exceedances	0.0	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
Daily average			Daily 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
	Monthly maximum	209.1	Daily average	166	158.81	148	136	157	162	175	118	209	164	156	151	169	155		180	194	153	163	164	174	168	161	157	143	155	156	146	160	180	174
	No. of invalid days	0.0	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	
	Sum of exceedances	0.0	Value exceeds ELV (Y/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.....  
(authorised to sign as representative of the Operator)

