



## Title: Reporting Incinerator CEM

Area: Manufacturing

Issue No.: 1

Ref:

Last printed: 13/07/2016

Date of Issue: 21/12/2006

Related Document: BU2357/AP3634

Created on: 21-12-2006

Page: 1 of 2

Incinerator Summary Report - April 2016

| Day                       | 1      | 2      | 3       | 4       | 5      | 6      | 7      | 8      | 9      | 10     | 11     | 12     | 13     | 14     | 15     | 16     | 17     |
|---------------------------|--------|--------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Running time              | 17.5   | 22     | 24      | 24      | 20     | 23     | 24     | 24     | 24     | 24     | 24     | 24     | 24     | 24     | 24     | 24     | 24     |
| Gas                       | 7      | 2.5    | 0       | 0       | 5.5    | 1      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| Residue & gas             | 1      | 0.5    | 0       | 0       | 1.5    | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| Mile                      | 0.5    | 0      | 0       | 0       | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| Total flow                | 7316.7 | 9372.5 | 10560.3 | 10561.2 | 7800.5 | 9005.2 | 9438.3 | 9493.8 | 9602   | 9601   | 9601.2 | 9600.2 | 9601   | 9604   | 9603.7 | 9601.7 | 9602.3 |
| Residue                   | 975.8  | 292.7  | 0       | 0       | 707.8  | 101    | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| Gas                       | 126582 | 128901 | 133932  | 138337  | 131990 | 121357 | 124561 | 125251 | 124377 | 122410 | 127643 | 129816 | 130704 | 123712 | 123542 | 124250 | 127051 |
| Air                       | 146    | 148    | 107     | 114.7   | 156.7  | 134.3  | 113    | 165.7  | 201.7  | 236.7  | 203.7  | 146    | 141    | 112.7  | 142.3  | 162.7  | 171.7  |
| Min                       | 309.4  | 264.2  | 215.1   | 196.1   | 378.6  | 185.3  | 156.8  | 228.7  | 279.2  | 294.5  | 263.8  | 232.3  | 303.1  | 143.1  | 209.5  | 296.9  | 261.4  |
| Ave                       | 1130   | 939.3  | 377.7   | 294     | 871.7  | 605.3  | 205    | 358.3  | 345.7  | 346.3  | 339    | 377.7  | 400    | 178.7  | 311.7  | 393.3  | 330    |
| Max                       | N      | N      | N       | N       | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      |
| Exceeds daily ELV ?       | N      | N      | N       | N       | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      |
| CO (normalised)           | -3     | -2.9   | -3.1    | -2.6    | -2.8   | -2.6   | -2.5   | -2.5   | -2.5   | -2.5   | -2.7   | -2.6   | -2.6   | -2.8   | -2.6   | -2.9   | -2.9   |
| Min                       | -2.5   | -2.6   | -2.6    | -2.5    | -2     | -2.5   | -2.5   | -2.5   | -2.5   | -2.5   | -2.5   | -2.5   | -2.5   | -2.5   | -2.5   | -2.6   | -2.6   |
| Ave                       | 1.8    | 0      | 0       | 0       | 2.9    | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| Max                       | 0      | 0      | 0       | 0       | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| 30m ELV exceedances       | N      | N      | N       | N       | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      |
| Exceeds daily ELV ?       | N      | N      | N       | N       | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      |
| Particulates (normalised) | 0.3    | 0.4    | 0.4     | 0.4     | 0.2    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    |
| Min                       | 0.4    | 0.4    | 0.4     | 0.4     | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    |
| Ave                       | 0.5    | 0.4    | 0.4     | 0.4     | 0.5    | 0.4    | 0.5    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    |
| Max                       | 0      | 0      | 0       | 0       | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| 30m ELV exceedances       | N      | N      | N       | N       | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      |
| Exceeds daily ELV ?       | N      | N      | N       | N       | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      |
| VOC (normalised)          | 1.1    | 1      | 1       | 1       | 1.4    | 1      | 0.8    | 1      | 1      | 1.3    | 1.2    | 1      | 1.1    | 1      | 1      | 0.9    | 1      |
| Min                       | 1.6    | 1.3    | 1.3     | 1.3     | 1.6    | 1.1    | 1      | 1.3    | 1.3    | 1.5    | 1.4    | 1.3    | 1.5    | 1.1    | 1.1    | 1.1    | 1.1    |
| Ave                       | 2.9    | 2.2    | 1.7     | 2.1     | 2.4    | 1.7    | 1.3    | 1.5    | 1.5    | 2      | 1.5    | 1.5    | 2      | 1.5    | 1.4    | 1.2    | 1.2    |
| Max                       | 0      | 0      | 0       | 0       | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      |
| 30m ELV exceedances       | N      | N      | N       | N       | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      |
| Exceeds daily ELV ?       | N      | N      | N       | N       | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      |

## NOTES

Invalid data points are not reported because the incinerator is not operated at any time whilst CEM equipment is being maintained or calibrated



Incinerator Summary Report - April 2016

| Day                       | 18            | 19     | 20     | 21     | 22     | 23     | 24     | 25     | 26     | 27     | 28     | 29     | 30     | TOTALS        |
|---------------------------|---------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------------|
| Running time              | 24            | 23.5   | 24     | 23     | 24     | 24     | 24     | 24     | 22.5   | 22     | 24     | 24     | 24     | 701.5         |
| Residue Gas               | 0             | 0.5    | 0      | 1      | 0      | 0      | 0      | 0      | 2      | 2      | 0      | 0      | 0      | 21.5          |
| Residue & gas             | 0             | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0.5    | 0      | 0      | 0      | 0      | 3.5           |
| Idle                      | 0             | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0.5           |
| Total flow                | 9160.5        | 8095.3 | 8400.5 | 8090.2 | 8400.3 | 8401.8 | 8646.7 | 9122.7 | 8662   | 8765.2 | 9605   | 9601   | 9602.5 | 274.5 tonnes  |
| Gas                       | 0             | 96.8   | 0      | 115.5  | 0      | 0      | 0      | 0      | 260    | 266.8  | 0      | 0      | 0      | 2847 m3       |
| Air                       | 123150        | 105528 | 101982 | 106679 | 107252 | 106501 | 112032 | 119396 | 116758 | 115688 | 116009 | 118100 | 125119 | 3644610 m3    |
| NOx (normalised)          | Min           | 114    | 45.7   | 73.7   | 244.3  | 219.7  | 289.7  | 295    | 119    | 234.3  | 203    | 228.3  | 245    |               |
| Ave                       | 206.4         | 120.3  | 167.6  | 376.3  | 307.2  | 285.4  | 356.4  | 356.5  | 345.2  | 288.8  | 236.5  | 276.3  | 362.6  |               |
| Max                       | 293.3         | 412    | 427.3  | 961.7  | 405.3  | 393    | 430.7  | 452.3  | 850.3  | 692.7  | 263.3  | 396.3  | 474.7  |               |
| Exceeds daily ELV ?       | N             | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | 0 exceedances |
| CO (normalised)           | Min           | -3.1   | -3.9   | -2.9   | -2.8   | -2.6   | -2.5   | -2.5   | -2.8   | -2.8   | -2.5   | -2.5   | -2.5   |               |
| Ave                       | -2.7          | -3     | -2.6   | -2.5   | -2.5   | -2.5   | -2.5   | -2.5   | -2.3   | -2.5   | -2.5   | -2.5   | -2.5   |               |
| Max                       | 0             | 2.5    | 0      | 0      | 0      | 0      | 0      | 0      | 2.3    | 0      | 0      | 0      | 0      |               |
| 30m ELV exceedances       | [ 100 mg/m3 ] |        |        |        |        |        |        |        |        |        |        |        |        | 0 exceedances |
| Exceeds daily ELV ?       | N             | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | 0 exceedances |
| Particulates (normalised) | Min           | 0.4    | 0.2    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.3    | 0.3    | 0.4    | 0.4    | 0.4    |               |
| Ave                       | 0.4           | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    |               |
| Max                       | 0.4           | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    | 0.4    |               |
| 30m ELV exceedances       | [ 30 mg/m3 ]  |        |        |        |        |        |        |        |        |        |        |        |        | 0 exceedances |
| Exceeds daily ELV ?       | N             | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | 0 exceedances |
| VOC (normalised)          | Min           | 0      | 0      | 0      | 0.9    | 1      | 1.1    | 1.1    | 1      | 1      | 1      | 1.2    | 1.3    |               |
| Ave                       | 0.4           | 0      | 0.6    | 1.3    | 1.2    | 1.1    | 1.3    | 1.3    | 1.2    | 1      | 1.1    | 1.4    | 1.5    |               |
| Max                       | 1             | 1.9    | 1.5    | 2.2    | 1.5    | 1.4    | 1.5    | 1.5    | 1.9    | 1.7    | 1.3    | 1.5    | 1.5    |               |
| 30m ELV exceedances       | [ 20 mg/m3 ]  |        |        |        |        |        |        |        |        |        |        |        |        | 0 exceedances |
| Exceeds daily ELV ?       | N             | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | 0 exceedances |

NOTES  
Invalid data points are not reported because the incinerator is not operated at any time whilst CEM equipment is being maintained or calibrated





Title: Reporting Incinerator CEM

Area: Manufacturing

Issue No.: 1

Ref:

Last printed: 13/07/2016

Date of Issue: 21/12/2006

Related Document: BU2357/AP3634

Created on: 21-12-2006

Page: 2 of 2

Incinerator Summary Report - May 2016

| Day                       | 18            | 19     | 20     | 21     | 22     | 23     | 24     | 25     | 26     | 27     | 28     | 29     | 30     | 31     | TOTALS        |
|---------------------------|---------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------------|
| Running time              | 23            | 20.5   | 15.5   | 21.5   | 19.5   | 24     | 23.5   | 22.5   | 23.5   | 22.5   | 23.5   | 23.5   | 22.5   | 23     | 677           |
| Residue Gas               | h             | 1      | 3.5    | 10     | 3      | 6.5    | 0      | 0.5    | 0.5    | 4.5    | 0.5    | 0.5    | 2.5    | 2      | 84.5          |
| Residue & gas             | h             | 0      | 0.5    | 1.5    | 0.5    | 2      | 0      | 1      | 0      | 3      | 0      | 0      | 1      | 1      | 21.5          |
| Waste                     | h             | 0      | 0.5    | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 4             |
| Total flow                | Residue       | 9059.7 | 8040.7 | 5941.7 | 7457   | 6940.5 | 9429.2 | 9179.5 | 8520.2 | 9231   | 7971.8 | 9160.8 | 8628.2 | 8843.2 | 261 tonnes    |
| Gas                       | m3            | 178.7  | 461    | 1227.5 | 415.2  | 788.5  | 0      | 87.7   | 307.2  | 127.8  | 513.3  | 73.5   | 258.5  | 212.5  | 10932 m3      |
| Air                       | m3            | 125042 | 125886 | 124267 | 118070 | 119265 | 124984 | 124345 | 115712 | 120770 | 125598 | 125221 | 131785 | 130779 | 3892895 m3    |
| NOx (normalised)          | Min           | 97.7   | 123.3  | 81     | 68.3   | 91.3   | 150    | 217.7  | 133.3  | 180.3  | 132.7  | 120.3  | 149    | 121    | 167           |
| Ave                       | mg/m3         | 170.6  | 171.7  | 166.6  | 365.1  | 263.2  | 219.4  | 288.1  | 330.5  | 305.5  | 275.8  | 182.7  | 186.6  | 200.3  | 305.1         |
| Max                       | mg/m3         | 540    | 551    | 517.7  | 1098   | 659.7  | 288    | 472.7  | 715    | 548.3  | 706    | 545.3  | 423.7  | 524.7  | 482           |
| Exceeds daily ELV ?       | [ 400 mg/m3 ] | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | 1 exceedances |
| CO (normalised)           | Min           | -4     | -4     | -4     | -3.8   | -3.7   | -3.8   | -4     | -4     | -4     | -4     | -4     | -3.7   | -3.7   | -3.7          |
| Ave                       | mg/m3         | -3.8   | -3.6   | -3     | -2.7   | -2.3   | -3.3   | -3.5   | -3     | -3.3   | -2.9   | -3.7   | -3.4   | -2.8   | -3            |
| Max                       | mg/m3         | 1.6    | 1      | 2.3    | 3.1    | 2      | 0      | 1.5    | 2.1    | 1.3    | 2.3    | 0.8    | 0      | 1.7    | 1.3           |
| 30m ELV exceedances       | [ 100 mg/m3 ] | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | 0 exceedances |
| Exceeds daily ELV ?       | [ 50 mg/m3 ]  | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | 0 exceedances |
| Particulates (normalised) | Min           | 1.6    | 2.2    | 1.7    | 1.3    | 1.3    | 2      | 1.7    | 1.6    | 1.7    | 1.3    | 1.8    | 2      | 1.9    | 1.8           |
| Ave                       | mg/m3         | 2.4    | 2.5    | 2.6    | 2.4    | 2.3    | 2.1    | 2.1    | 2.2    | 2.1    | 2.2    | 2.1    | 2.2    | 2.2    | 2.2           |
| Max                       | mg/m3         | 2.8    | 3.8    | 3.8    | 4      | 3.1    | 2.2    | 2.5    | 3      | 2.4    | 3.2    | 2.5    | 2.8    | 2.8    | 2.7           |
| 30m ELV exceedances       | [ 30 mg/m3 ]  | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | 0 exceedances |
| Exceeds daily ELV ?       | [ 10 mg/m3 ]  | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | 0 exceedances |
| VOC (normalised)          | Min           | 0.5    | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0             |
| Ave                       | mg/m3         | 0.6    | 0.5    | 0.1    | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0             |
| Max                       | mg/m3         | 1.4    | 1.4    | 0.8    | 0.8    | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0      | 0             |
| 30m ELV exceedances       | [ 20 mg/m3 ]  | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | 0 exceedances |
| Exceeds daily ELV ?       | [ 10 mg/m3 ]  | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | N      | 0 exceedances |

## NOTES

Invalid data points are not reported because the incinerator is not operated at any time whilst CEM equipment is being maintained or calibrated



Title: Reporting Incinerator CEM

Area: Manufacturing

Issue No.: 1

Ref:

Last printed: 13/07/2016

Date of issue: 21/12/2006

Related Document: BU2357/AP3634

Created on: 21-12-2006

Page: 1 of 2

Incinerator Summary Report - June 2016

| Day                       | 1      | 2       | 3      | 4       | 5       | 6      | 7       | 8       | 9       | 10      | 11      | 12     | 13      | 14     | 15      | 16      | 17      |
|---------------------------|--------|---------|--------|---------|---------|--------|---------|---------|---------|---------|---------|--------|---------|--------|---------|---------|---------|
| Running time              | 23     | 24      | 24     | 24      | 24      | 20.5   | 24      | 24      | 24      | 24      | 24      | 24     | 24      | 22     | 24      | 24      | 24      |
| Gas                       | 1.5    | 0.5     | 0      | 0       | 0       | 3      | 0       | 0       | 0       | 0       | 0       | 0      | 0       | 3.5    | 0.5     | 0       | 0       |
| Residue & gas             | 0.5    | 0.5     | 0      | 0       | 0       | 0      | 0       | 0       | 0       | 0       | 0       | 0      | 0       | 1.5    | 0.5     | 0       | 0       |
| Idle                      | 0      | 0       | 0      | 0       | 0       | 0.5    | 0       | 0       | 0       | 0       | 0       | 0      | 0       | 0      | 0       | 0       | 0       |
| Total flow                | 9500.2 | 10521.7 | 10799  | 10800.8 | 10801.3 | 9045.3 | 10800.2 | 10799.3 | 10803.7 | 10800.2 | 10800.8 | 10802  | 10800.7 | 9338.5 | 10325.5 | 10442.3 | 10374.7 |
| Gas                       | 153.2  | 76.8    | 0      | 0       | 0       | 453    | 0       | 0       | 0       | 0       | 0       | 0      | 0       | 392.7  | 37      | 0       | 0       |
| Air                       | 131782 | 138230  | 141498 | 142868  | 144651  | 142702 | 149232  | 141279  | 139798  | 140779  | 141824  | 138930 | 140109  | 134110 | 141137  | 139963  | 140285  |
| NOx (normalised)          | 202.7  | 4       | 208    | 168.7   | 157     | 104.7  | 115     | 117.3   | 106.3   | 124     | 225.3   | 179    | 212.3   | 89.3   | 218.7   | 206.7   | 230     |
| Ave                       | 267.2  | 298.1   | 285    | 221.1   | 187.9   | 214.1  | 145.6   | 130.8   | 122.8   | 187.2   | 285.1   | 219.2  | 239.4   | 270.2  | 254     | 236.5   | 264.4   |
| Max                       | 523.7  | 359     | 358    | 287.7   | 230     | 658.3  | 178     | 170     | 183.3   | 278     | 320.7   | 252.3  | 385     | 598.7  | 448.3   | 261     | 302.3   |
| Exceeds daily ELV ?       | N      | N       | N      | N       | N       | N      | N       | N       | N       | N       | N       | N      | N       | N      | N       | N       | N       |
| CO (normalised)           | -4     | -5.5    | -5.5   | -5.5    | -5.5    | -5.5   | -5.5    | -5.5    | -5.5    | -5.5    | -5.5    | -5.5   | -5.5    | -5.6   | -5.5    | -5.5    | -5.5    |
| Ave                       | -3.1   | -4.2    | -5.5   | -5.5    | -5.5    | -5.3   | -5.5    | -5.5    | -5.5    | -5.5    | -5.5    | -5.5   | -5.5    | -5     | -5.4    | -5.5    | -5.5    |
| Max                       | 1.3    | 0       | 0      | 0       | 0       | 1.1    | 0       | 0       | 0       | 0       | 0       | 0      | 0       | 3.1    | 0       | 0       | 0       |
| 30m ELV exceedances       | 0      | 0       | 0      | 0       | 0       | 0      | 0       | 0       | 0       | 0       | 0       | 0      | 0       | 0      | 0       | 0       | 0       |
| Exceeds daily ELV ?       | N      | N       | N      | N       | N       | N      | N       | N       | N       | N       | N       | N      | N       | N      | N       | N       | N       |
| Particulates (normalised) | 2      | 0.1     | 2.3    | 2.2     | 2.2     | 1.5    | 2.2     | 2.3     | 2.3     | 2.3     | 2.3     | 2.3    | 2.3     | 1.6    | 2.3     | 2.2     | 2.3     |
| Ave                       | 2.3    | 2.2     | 2.4    | 2.3     | 2.3     | 2.4    | 2.3     | 2.3     | 2.4     | 2.4     | 2.4     | 2.4    | 2.4     | 2.4    | 2.5     | 2.4     | 2.4     |
| Max                       | 4      | 2.7     | 2.4    | 2.4     | 2.4     | 4      | 2.6     | 2.4     | 2.5     | 2.8     | 2.6     | 2.5    | 2.5     | 5.8    | 3.5     | 2.6     | 2.5     |
| 30m ELV exceedances       | 0      | 0       | 0      | 0       | 0       | 0      | 0       | 0       | 0       | 0       | 0       | 0      | 0       | 0      | 0       | 0       | 0       |
| Exceeds daily ELV ?       | N      | N       | N      | N       | N       | N      | N       | N       | N       | N       | N       | N      | N       | N      | N       | N       | N       |
| VOC (normalised)          | 0      | 0       | 0.1    | 0.1     | 0       | 0      | 0       | 0       | 0       | 0.5     | 0.5     | 0.5    | 0.5     | 0.5    | 0.5     | 0.5     | 0.5     |
| Ave                       | 0      | 0.5     | 0.3    | 0.1     | 0.1     | 0      | 0       | 0       | 0.2     | 0.5     | 0.5     | 0.5    | 0.5     | 0.5    | 0.5     | 0.5     | 0.5     |
| Max                       | 0      | 2.2     | 0.7    | 0.2     | 0.3     | 0.7    | 0.1     | 0       | 0.5     | 0.5     | 0.5     | 0.5    | 0.5     | 1      | 0.5     | 0.5     | 0.5     |
| 30m ELV exceedances       | 0      | 0       | 0      | 0       | 0       | 0      | 0       | 0       | 0       | 0       | 0       | 0      | 0       | 0      | 0       | 0       | 0       |
| Exceeds daily ELV ?       | N      | N       | N      | N       | N       | N      | N       | N       | N       | N       | N       | N      | N       | N      | N       | N       | N       |

## NOTES

Invalid data points are not reported because the incinerator is not operated at any time whilst CEM equipment is being maintained or calibrated



Title: Reporting Incinerator CEM  
Ref: BU2357/AP3634  
Related Document:

Area: Manufacturing  
Last printed: 13/07/2016  
Created on: 21-12-2006

Issue No.: 1  
Date of Issue: 21/12/2006  
Page: 2 of 2

Incinerator Summary Report - June 2016

| Day                       | 18            | 19     | 20      | 21      | 22     | 23     | 24      | 25      | 26      | 27      | 28      | 29      | 30      | TOTALS        |
|---------------------------|---------------|--------|---------|---------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------------|
| Running time              | 24            | 24     | 24      | 24      | 14     | 21     | 24      | 23      | 23      | 23.5    | 24      | 24      | 23.5    | 697.5         |
| Residue Gas               | h             | h      | h       | h       | h      | h      | h       | h       | h       | h       | h       | h       | h       | 28            |
| Residue & gas             | h             | h      | h       | h       | h      | h      | h       | h       | h       | h       | h       | h       | h       | 6             |
| Idle                      | h             | h      | h       | h       | h      | h      | h       | h       | h       | h       | h       | h       | h       | 0.5           |
| Total flow                | 10281.8       | 10505  | 11084.2 | 11181.3 | 6027.5 | 8051.8 | 11353.7 | 11031.5 | 10447.8 | 10687.3 | 10801.7 | 11033.7 | 10532.8 | 310.6 tonnes  |
| Gas                       | m3            | 33     | 0       | 0       | 1449.3 | 420.7  | 0       | 100.2   | 184.7   | 70.8    | 0       | 0       | 121.5   | 3493 m3       |
| Air                       | m3            | 141824 | 136437  | 138073  | 136388 | 103885 | 131480  | 140200  | 138727  | 139999  | 133386  | 132927  | 135994  | 4116609 m3    |
| NOx (normalised)          | mg/m3         | 227    | 114     | 83.7    | 76.7   | 70.7   | 140.7   | 223     | 166     | 204.3   | 163.7   | 116     | 175.3   |               |
| Ave                       | mg/m3         | 292.4  | 239.7   | 128     | 126.3  | 189.3  | 234.9   | 285.7   | 260.5   | 283.8   | 246.5   | 182.1   | 285.7   |               |
| Max                       | mg/m3         | 339.7  | 315.3   | 166.3   | 151.3  | 581    | 367     | 649.3   | 646     | 562     | 302.3   | 237.7   | 411     |               |
| Exceeds daily ELV ?       | [ 400 mg/m3 ] | N      | N       | N       | N      | N      | N       | N       | N       | N       | N       | N       | N       | 0 exceedances |
| CO (normalised)           | mg/m3         | -5.5   | -5.6    | -6.6    | -5.5   | -5.5   | -5.5    | -5.5    | -5.6    | -5.5    | -5.5    | -5.5    | -5.5    |               |
| Ave                       | mg/m3         | -5.5   | -5.4    | -5.7    | -5.5   | -4.6   | -5.2    | -5.5    | -5.3    | -5.4    | -5.5    | -5.5    | -5.2    |               |
| Max                       | mg/m3         | 0      | 0       | 0       | 0      | 0      | 0       | 0       | 0       | 0       | 0       | 0       | 6.3     |               |
| 30m ELV exceedances       | [ 100 mg/m3 ] | 0      | 0       | 0       | 0      | 0      | 0       | 0       | 0       | 0       | 0       | 0       | 0       | 0 exceedances |
| Exceeds daily ELV ?       | [ 50 mg/m3 ]  | N      | N       | N       | N      | N      | N       | N       | N       | N       | N       | N       | N       | 0 exceedances |
| Particulates (normalised) | mg/m3         | 2.4    | 2.1     | 2.4     | 2.4    | 2.4    | 2.1     | 2       | 1.8     | 2.1     | 2       | 2.1     | 1.7     |               |
| Ave                       | mg/m3         | 2.5    | 2.6     | 2.6     | 2.5    | 3.2    | 2.2     | 2.2     | 2.2     | 2.2     | 2.1     | 2.2     | 2.1     |               |
| Max                       | mg/m3         | 2.7    | 3.6     | 2.8     | 2.8    | 4.4    | 2.4     | 3.2     | 3.1     | 2.9     | 2.6     | 2.3     | 2.8     |               |
| 30m ELV exceedances       | [ 30 mg/m3 ]  | 0      | 0       | 0       | 0      | 0      | 0       | 0       | 0       | 0       | 0       | 0       | 0       |               |
| Exceeds daily ELV ?       | [ 10 mg/m3 ]  | N      | N       | N       | N      | N      | N       | N       | N       | N       | N       | N       | N       | 0 exceedances |
| VOC (normalised)          | mg/m3         | 0.5    | 0       | 0       | 0.5    | 0      | 0.5     | 0.5     | 0.5     | 0.5     | 0.5     | 0.4     | 0.4     |               |
| Ave                       | mg/m3         | 0.5    | 0.5     | 0.3     | 0.5    | 0.5    | 0.5     | 0.5     | 0.5     | 0.5     | 0.5     | 0.5     | 0.5     |               |
| Max                       | mg/m3         | 0.5    | 0.8     | 0.5     | 0.5    | 1.1    | 1       | 0.5     | 1.1     | 1.1     | 0.5     | 0.5     | 1.2     |               |
| 30m ELV exceedances       | [ 20 mg/m3 ]  | 0      | 0       | 0       | 0      | 0      | 0       | 0       | 0       | 0       | 0       | 0       | 0       |               |
| Exceeds daily ELV ?       | [ 10 mg/m3 ]  | N      | N       | N       | N      | N      | N       | N       | N       | N       | N       | N       | N       | 0 exceedances |

NOTES  
Invalid data points are not reported because the incinerator is not operated at any time whilst CEM equipment is being maintained or calibrated