

# CDAS 2004 Daily Report for Stream One on the 06 September 2010

Report printed at 10:43 on the 07 September 2010

|                     | HCl mg/Nm3 | SO2 mg/Nm3 | NOx mg/Nm3 | CO mg/m3 | NH3 mg/m3 | Flow kNm3/hr | Dust Nmg/m3 | VOC (FID) Nmg/m3 |
|---------------------|------------|------------|------------|----------|-----------|--------------|-------------|------------------|
| 00:00 to 00:29      | 3.11       | 2.80       | 174.13     | 6.63     | 0.05      | 21.75        | 0.31        | 0.62             |
| 00:30 to 00:59      | 7.67       | 11.03      | 159.28     | 8.05     | 0.04      | 22.91        | 0.32        | 0.35             |
| 01:00 to 01:29      | 4.22       | 1.69       | 169.01     | 11.62    | 0.04      | 23.52        | 0.30        | 0.41             |
| 01:30 to 01:59      | 5.00       | 10.96      | 171.06     | 8.27     | 0.08      | 21.21        | 0.27        | 0.46             |
| 02:00 to 02:29      | 7.86       | 14.42      | 155.43     | 9.96     | 3.61      | 20.90        | 0.28        | 0.32             |
| 02:30 to 02:59      | 3.45       | 0.04       | 168.96     | 12.49    | 6.92      | 21.01        | 0.21        | 0.46             |
| 03:00 to 03:29      | 3.62       | 14.52      | 166.81     | 8.67     | 4.27      | 21.28        | 0.22        | 0.55             |
| 03:30 to 03:59      | 7.34       | 12.72      | 154.16     | 11.79    | 2.77      | 21.64        | 0.24        | 0.45             |
| 04:00 to 04:29      | 3.72       | 1.85       | 170.01     | 11.65    | 0.50      | 21.46        | 0.26        | 0.57             |
| 04:30 to 04:59      | 4.71       | 13.41      | 174.91     | 9.02     | 0.04      | 22.01        | 0.26        | 0.47             |
| 05:00 to 05:29      | 6.46       | 5.25       | 151.28     | 12.74    | 0.03      | 20.13        | 0.27        | 0.45             |
| 05:30 to 05:59      | 3.07       | 1.01       | 139.56     | 9.45     | 0.05      | 20.50        | 0.25        | 0.40             |
| 06:00 to 06:29      | 4.01       | 7.72       | 136.83     | 6.99     | 0.14      | 21.79        | 0.24        | 0.36             |
| 06:30 to 06:59      | 7.53       | 9.95       | 118.91     | 6.02     | 0.05      | 16.99        | 0.28        | 0.35             |
| 07:00 to 07:29      | 5.34       | 12.02      | 91.49      | 4.94     | 0.07      | 11.48        | 0.51        | 0.38             |
| 07:30 to 07:59      | 6.34       | 20.97      | 114.89     | 5.82     | 0.05      | 14.41        | 0.29        | 0.37             |
| 08:00 to 08:29      | 4.66       | -0.67      | 143.15     | 11.07    | 0.04      | 19.39        | 0.23        | 0.49             |
| 08:30 to 08:59      | 4.30       | 0.64       | 189.32     | 10.40    | 0.11      | 24.91        | 0.38        | 0.62             |
| 09:00 to 09:29      | 7.48       | 8.72       | 194.59     | 9.41     | 0.03      | 24.59        | 0.25        | 0.61             |
| 09:30 to 09:59      | 6.14       | -1.28      | 166.63     | 14.58    | 0.07      | 23.25        | 0.28        | 0.65             |
| 10:00 to 10:29      | 5.34       | 3.41       | 186.95     | 10.21    | 0.08      | 22.95        | 0.30        | 0.75             |
| 10:30 to 10:59      | 8.31       | 7.36       | 179.12     | 9.31     | 0.05      | 23.09        | 0.28        | 0.63             |
| 11:00 to 11:29      | 4.72       | -0.86      | 177.69     | 12.87    | 0.05      | 22.90        | 0.32        | 0.58             |
| 11:30 to 11:59      | 4.76       | 3.28       | 170.60     | 9.38     | 3.27      | 22.14        | 0.29        | 0.63             |
| 12:00 to 12:29      | 8.00       | 4.78       | 158.74     | 12.27    | 7.46      | 22.58        | 0.36        | 0.86             |
| 12:30 to 12:59      | 4.39       | -0.96      | 163.68     | 15.66    | 6.96      | 22.29        | 0.33        | 1.69             |
| 13:00 to 13:29      | 5.20       | 5.21       | 166.69     | 13.12    | 5.10      | 22.45        | 0.29        | 2.42             |
| 13:30 to 13:59      | 7.99       | 11.42      | 160.88     | 12.25    | 4.94      | 21.63        | 0.27        | 2.95             |
| 14:00 to 14:29      | 5.13       | -1.28      | 144.99     | 16.86    | 7.02      | 21.92        | 0.36        | 2.92             |
| 14:30 to 14:59      | 4.65       | 4.68       | 150.50     | 14.27    | 5.78      | 22.99        | 0.33        | 2.85             |
| 15:00 to 15:29      | 5.96       | 19.37      | 114.72     | 11.14    | 4.82      | 17.72        | 0.89        | 2.94             |
| 15:30 to 15:59      | 8.18       | 24.26      | 100.15     | 8.73     | 4.58      | 14.74        | 0.46        | 2.64             |
| 16:00 to 16:29      | 7.67       | 9.30       | 90.54      | 9.19     | 3.75      | 13.05        | 0.40        | 2.29             |
| 16:30 to 16:59      | 4.72       | 18.38      | 65.63      | 11.80    | 3.01      | 15.27        | 0.39        | 1.89             |
| 17:00 to 17:29      | 7.37       | 25.97      | 66.07      | 25.04    | 2.97      | 17.80        | 0.41        | 4.58             |
| 17:30 to 17:59      | 5.37       | 2.71       | 30.05      | 266.94   | 1.52      | 16.65        | 0.49        | 71.88            |
| 18:00 to 18:29      | 3.65       | -0.33      | 132.82     | 25.89    | 0.03      | 23.58        | 0.27        | 4.82             |
| 18:30 to 18:59      | 5.69       | -0.31      | 157.25     | 13.90    | 1.84      | 23.53        | 0.32        | 3.55             |
| 19:00 to 19:29      | 5.73       | 3.99       | 165.18     | 12.01    | 3.24      | 22.24        | 0.23        | 2.98             |
| 19:30 to 19:59      | 8.03       | 6.18       | 156.32     | 11.39    | 3.78      | 21.98        | 0.27        | 2.18             |
| 20:00 to 20:29      | 4.23       | -0.60      | 159.97     | 12.49    | 4.32      | 20.77        | 0.21        | 1.72             |
| 20:30 to 20:59      | 4.12       | 3.09       | 166.31     | 10.08    | 4.99      | 20.90        | 0.21        | 1.43             |
| 21:00 to 21:29      | 7.04       | 8.73       | 170.73     | 8.83     | 4.28      | 20.66        | 0.20        | 1.25             |
| 21:30 to 21:59      | 5.46       | -1.41      | 150.61     | 11.77    | 4.62      | 20.37        | 0.26        | 0.93             |
| 22:00 to 22:29      | 3.65       | 0.48       | 156.72     | 9.60     | 3.44      | 20.11        | 0.29        | 0.74             |
| 22:30 to 22:59      | 4.89       | 4.12       | 155.83     | 8.25     | 2.33      | 20.09        | 0.22        | 0.63             |
| 23:00 to 23:29      | 7.60       | 3.63       | 146.40     | 9.18     | 0.05      | 20.04        | 0.19        | 0.54             |
| 23:30 to 23:59      | 3.42       | -0.03      | 155.52     | 10.75    | 0.05      | 19.98        | 0.18        | 0.55             |
| Period Alarm Limit  | 60.00      | 200.00     | 400.00     | 100.00   | 20.00     | N/A          | 30.00       | 20.00            |
| No of Exceedances   | 0          | 0          | 0          | 1        | 0         | N/A          | 0           | 1                |
| Maximum Average     | 8.31       | 25.97      | 194.59     | 266.94   | 7.46      | 24.91        | 0.89        | 71.88            |
| Minimum Average     | 3.07       | -1.41      | 30.05      | 4.94     | 0.03      | 11.48        | 0.18        | 0.32             |
| 97 Percentile       | 8.18       | 24.26      | 189.32     | 25.89    | 7.02      | 24.59        | 0.51        | 4.82             |
| Daily Limit         | 10.00      | 50.00      | 200.00     | 50.00    | 10.00     | N/A          | 10.00       | 10.00            |
| Daily Average       | 5.57       | 6.51       | 148.15     | 16.52    | 2.36      | 20.61        | 0.31        | 2.77             |
| Average Below Limit | Yes        | Yes        | Yes        | Yes      | Yes       | N/A          | Yes         | Yes              |

# CDAS 2004 Daily Report for Stream Two on the 06 September 2010

Report printed at 10:43 on the 07 September 2010

|                     | HCl mg/Nm <sup>3</sup> | SO <sub>2</sub> mg/Nm <sup>3</sup> | NO <sub>x</sub> mg/Nm <sup>3</sup> | CO mg/m <sup>3</sup> | NH <sub>3</sub> mg/m <sup>3</sup> | Flow kNm <sup>3</sup> /hr | Dust Nm <sup>3</sup> /m <sup>3</sup> | VOC (FID) Nm <sup>3</sup> /m <sup>3</sup> |
|---------------------|------------------------|------------------------------------|------------------------------------|----------------------|-----------------------------------|---------------------------|--------------------------------------|---|
| 00:00 to 00:29      | 6.85                   | 14.58                              | 147.83                             | 13.45                | 0.04                              | 17.63                     | 2.15                                 | 0.13                                      |
| 00:30 to 00:59      | 3.28                   | 2.42                               | 148.01                             | 17.74                | 0.05                              | 16.71                     | 1.33                                 | 0.30                                      |
| 01:00 to 01:29      | 3.87                   | 9.66                               | 160.51                             | 12.70                | 0.63                              | 16.29                     | 1.29                                 | 0.18                                      |
| 01:30 to 01:59      | 6.99                   | 14.93                              | 159.00                             | 13.02                | 0.96                              | 17.03                     | 0.74                                 | 0.16                                      |
| 02:00 to 02:29      | 3.75                   | 3.56                               | 153.63                             | 18.17                | 0.14                              | 17.41                     | 0.94                                 | 0.28                                      |
| 02:30 to 02:59      | 6.80                   | 9.34                               | 145.89                             | 13.88                | 0.03                              | 17.65                     | 0.54                                 | 0.12                                      |
| 03:00 to 03:29      | 2.70                   | 3.26                               | 140.70                             | 15.69                | 0.08                              | 17.09                     | 0.96                                 | 0.22                                      |
| 03:30 to 03:59      | 5.21                   | 10.10                              | 146.89                             | 12.28                | 0.05                              | 16.95                     | 0.56                                 | 0.08                                      |
| 04:00 to 04:29      | 4.11                   | 4.01                               | 120.10                             | 19.69                | 0.15                              | 17.12                     | 0.91                                 | 0.24                                      |
| 04:30 to 04:59      | 4.88                   | 6.31                               | 157.28                             | 11.92                | 0.50                              | 19.48                     | 0.61                                 | 0.04                                      |
| 05:00 to 05:29      | 6.94                   | 7.86                               | 160.30                             | 11.68                | 0.87                              | 19.99                     | 0.80                                 | -0.03                                     |
| 05:30 to 05:59      | 4.14                   | 1.77                               | 148.79                             | 17.36                | 1.07                              | 20.10                     | 0.88                                 | 0.16                                      |
| 06:00 to 06:29      | 3.66                   | 3.47                               | 170.19                             | 12.53                | 1.06                              | 20.95                     | 0.78                                 | 0.13                                      |
| 06:30 to 06:59      | 5.99                   | 7.03                               | 177.31                             | 11.68                | 0.87                              | 21.57                     | 0.79                                 | 0.04                                      |
| 07:00 to 07:29      | 4.95                   | 1.73                               | 151.60                             | 18.36                | 1.19                              | 22.10                     | 1.41                                 | 0.21                                      |
| 07:30 to 07:59      | 4.54                   | 4.47                               | 166.45                             | 14.34                | 1.03                              | 22.28                     | 1.11                                 | 0.17                                      |
| 08:00 to 08:29      | 6.27                   | 8.98                               | 167.65                             | 12.97                | 0.48                              | 22.29                     | 0.98                                 | 0.09                                      |
| 08:30 to 08:59      | 3.90                   | 1.22                               | 143.40                             | 19.77                | 0.61                              | 21.35                     | 1.37                                 | 0.32                                      |
| 09:00 to 09:29      | 2.75                   | 4.37                               | 147.14                             | 12.31                | 0.21                              | 19.16                     | 1.21                                 | 0.10                                      |
| 09:30 to 09:59      | 4.09                   | 7.27                               | 136.26                             | 10.19                | 0.06                              | 18.43                     | 0.94                                 | -0.01                                     |
| 10:00 to 10:29      | 5.86                   | 8.70                               | 130.37                             | 9.18                 | 0.07                              | 19.47                     | 1.23                                 | -0.11                                     |
| 10:30 to 10:59      | 5.67                   | 6.62                               | 116.54                             | 8.77                 | 0.04                              | 18.28                     | 1.52                                 | -0.14                                     |
| 11:00 to 11:29      | 3.48                   | 4.20                               | 107.71                             | 8.39                 | 0.02                              | 15.18                     | 1.62                                 | -0.12                                     |
| 11:30 to 11:59      | 1.89                   | 2.30                               | 98.60                              | 8.40                 | 0.16                              | 11.94                     | 1.64                                 | 0.00                                      |
| 12:00 to 12:29      | 0.93                   | 1.92                               | 98.49                              | 9.43                 | 0.11                              | 11.96                     | 2.34                                 | 0.07                                      |
| 12:30 to 12:59      | 1.77                   | 2.90                               | 105.22                             | 12.25                | 0.02                              | 13.61                     | 1.78                                 | 0.53                                      |
| 13:00 to 13:29      | 2.29                   | 2.95                               | 105.03                             | 14.22                | 0.02                              | 13.75                     | 1.80                                 | 0.93                                      |
| 13:30 to 13:59      | 2.13                   | 3.08                               | 107.64                             | 16.76                | 0.02                              | 13.96                     | 1.38                                 | 1.24                                      |
| 14:00 to 14:29      | 2.61                   | 4.06                               | 111.60                             | 15.49                | 0.02                              | 15.19                     | 1.61                                 | 0.89                                      |
| 14:30 to 14:59      | 2.77                   | 3.64                               | 107.72                             | 15.28                | 0.02                              | 14.45                     | 3.39                                 | 0.70                                      |
| 15:00 to 15:29      | 1.29                   | 1.51                               | 91.20                              | 11.54                | 0.22                              | 11.33                     | 6.36                                 | 0.68                                      |
| 15:30 to 15:59      | 1.45                   | 1.83                               | 108.26                             | 10.05                | 0.10                              | 11.71                     | 3.10                                 | 0.54                                      |
| 16:00 to 16:29      | 1.21                   | 1.75                               | 117.67                             | 7.85                 | 0.06                              | 12.93                     | 3.31                                 | 0.35                                      |
| 16:30 to 16:59      | 0.89                   | 0.92                               | 104.45                             | 7.62                 | 0.05                              | 8.80                      | 4.47                                 | 0.29                                      |
| 17:00 to 17:29      | 0.56                   | 0.74                               | 108.50                             | 16.95                | 0.02                              | 7.95                      | 3.46                                 | 1.03                                      |
| 17:30 to 17:59      | 0.41                   | 0.01                               | 122.32                             | 12.12                | 0.05                              | 8.58                      | 3.24                                 | 0.96                                      |
| 18:00 to 18:29      | 0.16                   | -0.57                              | 113.18                             | 6.47                 | 0.05                              | 7.59                      | 1.69                                 | 0.25                                      |
| 18:30 to 18:59      | 0.29                   | 1.17                               | 90.89                              | 5.56                 | 0.24                              | 9.85                      | 1.89                                 | 0.08                                      |
| 19:00 to 19:29      | 0.43                   | 1.84                               | 88.06                              | 4.71                 | 0.02                              | 10.88                     | 1.33                                 | -0.09                                     |
| 19:30 to 19:59      | 0.50                   | 1.49                               | 90.77                              | 4.39                 | 0.05                              | 11.14                     | 1.63                                 | -0.01                                     |
| 20:00 to 20:29      | 0.56                   | 1.87                               | 102.72                             | 3.96                 | 0.08                              | 11.97                     | 1.01                                 | -0.14                                     |
| 20:30 to 20:59      | 0.36                   | 2.22                               | 203.11                             | 4.10                 | 0.03                              | 13.19                     | 1.27                                 | -0.10                                     |
| 21:00 to 21:29      | 0.40                   | 0.96                               | 193.01                             | 4.19                 | 0.02                              | 10.71                     | 2.00                                 | 0.02                                      |
| 21:30 to 21:59      | 0.62                   | 2.16                               | 184.14                             | 3.40                 | 0.04                              | 9.77                      | 1.28                                 | -0.02                                     |
| 22:00 to 22:29      | 0.92                   | 2.77                               | 175.72                             | 2.93                 | 0.03                              | 9.12                      | 1.14                                 | -0.08                                     |
| 22:30 to 22:59      | 1.25                   | 3.00                               | 171.97                             | 2.76                 | 0.10                              | 8.71                      | 0.82                                 | -0.11                                     |
| 23:00 to 23:29      | 1.77                   | 3.44                               | 163.65                             | 2.75                 | 0.66                              | 8.48                      | 0.80                                 | -0.12                                     |
| 23:30 to 23:59      | 1.86                   | 3.21                               | 170.93                             | 2.71                 | 0.49                              | 9.05                      | 0.95                                 | -0.12                                     |
| Period Alarm Limit  | 60.00                  | 200.00                             | 400.00                             | 100.00               | 20.00                             | N/A                       | 30.00                                | 20.00                                     |
| No of Exceedances   | 0                      | 0                                  | 0                                  | 0                    | 0                                 | N/A                       | 0                                    | 0   |
| Maximum Average     | 6.99                   | 14.93                              | 203.11                             | 19.77                | 1.19                              | 22.29                     | 6.36                                 | 1.24                                      |
| Minimum Average     | 0.16                   | -0.57                              | 88.06                              | 2.71                 | 0.02                              | 7.59                      | 0.54                                 | -0.14                                     |
| 97 Percentile       | 6.94                   | 14.58                              | 193.01                             | 19.69                | 1.07                              | 22.28                     | 4.47                                 | 1.03                                      |
| Daily Limit         | 10.00                  | 50.00                              | 200.00                             | 50.00                | 10.00                             | N/A                       | 10.00                                | 10.00                                     |
| Daily Average       | 2.92                   | 4.10                               | 136.22                             | 10.87                | 0.27                              | 14.81                     | 1.63                                 | 0.22                                      |
| Average Below Limit | Yes                    | Yes                                | Yes                                | Yes                  | Yes                               | N/A                       | Yes                                  | Yes                                       |