

THE HONGKONG ELECTRIC COMPANY, LTD.  
AIR QUALITY DATA MONTHLY TIME SERIES REPORT

STATION : VICTORIA PEAK  
 POLLUTANT : SULPHUR DIOXIDE  
 MONTH: JULY  
 YEAR : 2009  
 UNIT : MICROGRAMS/CUBIC METER

| DAY | 1 | 2 | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22   | 23   | 24 | MEAN |
|-----|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|------|------|----|------|
| 1   | 2 | 1 | 1  | 1  | 1  | 2  | 1  | 1  | 2  | 12 | 23 | 6  | 1  | 1  | 1  | 7  | 3  | 1  | 1  | 2  | 3  | 0    | **** | 3  | 3    |
| 2   | 1 | 0 | 2  | 3  | 1  | 0  | 1  | 2  | 3  | 0  | 0  | 0  | 0  | 0  | 0  | 2  | 42 | 16 | 29 | 8  | 2  | 0    | **** | 3  | 5    |
| 3   | 0 | 0 | 0  | 0  | 0  | 2  | 2  | 0  | 0  | 15 | 33 | 13 | 3  | 5  | 2  | 8  | 37 | 22 | 13 | 2  | 2  | 3    | **** | 5  | 7    |
| 4   | 3 | 2 | 1  | 1  | 2  | 1  | 1  | 1  | 2  | 1  | 2  | 2  | 1  | 1  | 1  | 1  | 1  | 1  | 0  | 1  | 1  | **** | 4    | 1  |      |
| 5   | 2 | 3 | 11 | 3  | 1  | 1  | 2  | 1  | 1  | 1  | 0  | 1  | 1  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 1    | **** | 6  | 2    |
| 6   | 1 | 0 | 1  | 0  | 1  | 2  | 1  | 1  | 1  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 1    | **** | 2  | 1    |
| 7   | 0 | 0 | 0  | 0  | 0  | 1  | 2  | 1  | 0  | 0  | 0  | 14 | 89 | 15 | 81 | 35 | 27 | 46 | 43 | 6  | 2  | 2    | **** | 5  | 16   |
| 8   | 3 | 1 | 1  | 1  | 1  | 1  | 2  | 3  | 9  | 4  | 41 | 58 | 57 | 34 | 28 | 12 | 8  | 8  | 2  | 2  | 2  | 1    | **** | 4  | 12   |
| 9   | 2 | 3 | 2  | 4  | 1  | 1  | 1  | 1  | 1  | 0  | 0  | 0  | 1  | 2  | 3  | 3  | 1  | 1  | 0  | 1  | 1  | 2    | **** | 3  | 2    |
| 10  | 1 | 0 | 0  | 1  | 1  | 1  | 2  | 6  | 15 | 5  | 4  | 8  | 10 | 15 | 5  | 4  | 4  | 7  | 6  | 3  | 9  | 16   | **** | 6  | 6    |
| 11  | 1 | 1 | 1  | 2  | 2  | 0  | 1  | 1  | 0  | 0  | 1  | 1  | 1  | 1  | 0  | 1  | 1  | 1  | 1  | 1  | 1  | 1    | **** | 6  | 1    |
| 12  | 4 | 4 | 3  | 2  | 1  | 0  | 0  | 1  | 0  | 1  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 1  | 1  | 0  | 0  | 1    | **** | 3  | 1    |
| 13  | 0 | 0 | 0  | 0  | 0  | 0  | 0  | 0  | 7  | 27 | 26 | 10 | 6  | 7  | 4  | 3  | 5  | 27 | 13 | 9  | 1  | 0    | **** | 2  | 7    |
| 14  | 1 | 1 | 1  | 1  | 1  | 0  | 0  | 1  | 1  | 1  | 0  | 0  | 6  | 37 | 8  | 19 | 4  | 6  | 3  | 2  | 2  | 2    | **** | 4  | 4    |
| 15  | 1 | 1 | 1  | 1  | 1  | 1  | 1  | 1  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0    | **** | 2  | 1    |
| 16  | 0 | 0 | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0    | **** | 2  | 0    |
| 17  | 0 | 0 | 0  | 0  | 0  | 0  | 0  | 1  | 0  | 1  | 1  | 1  | 3  | 7  | 5  | 42 | 27 | 4  | 3  | 3  | 2  | 2    | **** | 5  | 5    |
| 18  | 7 | 9 | 13 | 20 | 12 | 17 | 15 | 32 | 47 | 41 | 38 | 24 | 22 | 18 | 4  | 2  | 1  | 2  | 5  | 3  | 3  | 5    | **** | 4  | 15   |
| 19  | 8 | 9 | 4  | 5  | 4  | 4  | 4  | 4  | 4  | 4  | 3  | 2  | 2  | 1  | 1  | 1  | 2  | 2  | 1  | 1  | 2  | 2    | **** | 4  | 3    |
| 20  | 2 | 2 | 2  | 2  | 1  | 1  | 2  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 0  | 0  | 0  | 1  | 1  | 1  | 1  | 1    | **** | 1  | 1    |
| 21  | 0 | 0 | 0  | 0  | 0  | 0  | 0  | 0  | 1  | 2  | 1  | 1  | 2  | 2  | 2  | 2  | 2  | 3  | 2  | 2  | 3  | 3    | **** | 6  | 1    |
| 22  | 2 | 2 | 2  | 2  | 1  | 1  | 1  | 1  | 1  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0    | **** | 2  | 1    |
| 23  | 0 | 0 | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 16 | 6  | 1  | 0  | 0  | 0  | 1  | 1  | 2  | 1  | 1    | **** | 4  | 1    |
| 24  | 1 | 1 | 1  | 0  | 0  | 0  | 1  | 1  | 0  | 1  | 9  | 2  | 2  | 5  | 12 | 55 | 34 | 26 | 16 | 5  | 4  | 2    | **** | 4  | 8    |
| 25  | 2 | 1 | 1  | 0  | 0  | 1  | 1  | 4  | 3  | 4  | 26 | 41 | 21 | 9  | 13 | 5  | 26 | 5  | 4  | 2  | 1  | 1    | **** | 3  | 8    |
| 26  | 1 | 1 | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 1  | 2  | 1  | 1  | 1  | 1  | 1    | **** | 4  | 1    |
| 27  | 1 | 2 | 1  | 0  | 0  | 0  | 0  | 4  | 8  | 10 | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 1  | 1  | 0    | **** | 3  | 1    |
| 28  | 0 | 0 | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0    | **** | 3  | 0    |
| 29  | 0 | 0 | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0    | **** | 3  | 0    |
| 30  | 0 | 0 | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0    | **** | 3  | 0    |
| 31  | 0 | 0 | 0  | 1  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 1  | 1  | 0  | 0  | 0  | 1  | 2  | 0  | 0  | 0  | 0    | **** | 6  | 1    |

MONTHLY STATISTICS:

| GEOM | ARITH  | PERCENTILE |    |    |    |    | RANGE |   |       |   | STD GEOM  | PERCENT    | NO. OF TIMES |       |   |   |
|------|--------|------------|----|----|----|----|-------|---|-------|---|-----------|------------|--------------|-------|---|---|
| MEAN | MEDIAN | 50         | 90 | 95 | 98 | 99 | 1-HR  |   | 24-HR |   | DEVIATION | VALID DATA | 1-HR         | 24-HR |   |   |
| 1    | 1      | 1          | 8  | 21 | 37 | 43 | 0     | - | 89    | 0 | -         | 16         | 6            | 96    | 0 | 0 |

NOTES:

1. FLAGS FOR INVALID DATA :
  - \*\*\*\* : DAILY ZERO/SPAN CHECK
  - D : DYNAMIC CALIBRATION
  - T : TELEMETRY/DATALOGGR/ANALYZER FAULT
  - M : MAINTENANCE OR MACHINE SHUTDOWN
  - P : POWER FAILURE
2. BRACKETED READINGS EXCEED 1-HR OBJECTIVE 800 OR 24-HR OBJECTIVE 350



THE HONGKONG ELECTRIC COMPANY, LTD.  
AIR QUALITY DATA MONTHLY TIME SERIES REPORT

STATION : VICTORIA PEAK  
 POLLUTANT : SULPHUR DIOXIDE  
 MONTH: AUGUST  
 YEAR : 2009  
 UNIT : MICROGRAMS/CUBIC METER

| DAY | 1 | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23   | 24 | MEAN |
|-----|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|------|----|------|
| 1   | 2 | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 3  | 4  | 3  | 2  | 1  | 0  | 0  | 0  | 10 | 13 | 18 | 24 | 14 | **** | 5  | 4    |
| 2   | 2 | 12 | 7  | 12 | 17 | 21 | 17 | 17 | 36 | 27 | 11 | 9  | 4  | 6  | 4  | 2  | 2  | 3  | 4  | 5  | 7  | 8  | **** | 11 | 11   |
| 3   | 8 | 3  | 2  | 2  | 1  | 1  | 2  | 1  | 1  | 1  | 0  | 1  | 2  | 1  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | **** | 2  | 1    |
| 4   | 0 | 0  | 0  | 0  | 0  | 0  | 0  | 1  | 0  | 1  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 1  | 0  | 1  | 0  | 0  | **** | 3  | 1    |
| 5   | 1 | 1  | 1  | 1  | 1  | 1  | 1  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | **** | 2  | 0    |
| 6   | 0 | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 1  | 1  | 1  | 1  | 1  | 1  | 2  | 3  | 2  | 3  | 4  | 3  | 3  | **** | 8  | 2    |
| 7   | 2 | 1  | 1  | 1  | 22 | 11 | 7  | 5  | 4  | 27 | 16 | 57 | 41 | 19 | 3  | 1  | 1  | 2  | 2  | 2  | 2  | 2  | **** | 6  | 10   |
| 8   | 2 | 2  | 2  | 2  | 2  | 2  | 2  | 4  | 10 | 16 | 22 | 23 | 16 | 9  | 4  | 3  | 2  | 1  | 4  | 2  | 1  | 0  | **** | 3  | 6    |
| 9   | 1 | 2  | 2  | 2  | 2  | 2  | 9  | 14 | 16 | 17 | 18 | 16 | 15 | 17 | 7  | 4  | 3  | 4  | 7  | 8  | 6  | 2  | **** | 5  | 8    |
| 10  | 5 | 4  | 2  | 4  | 1  | 1  | 1  | 3  | 1  | 3  | 2  | 1  | 2  | 2  | 4  | 2  | 1  | 0  | 0  | 0  | 0  | 0  | **** | 3  | 2    |
| 11  | 0 | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 1  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | **** | 1  | 0    |
| 12  | 0 | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 6  | 2  | 0  | 17 | 31 | 0  | 1  | 0  | 0  | 0  | 0  | **** | 2  | 3    |
| 13  | 0 | 2  | 1  | 0  | 2  | 0  | 0  | 0  | 1  | 0  | 10 | 1  | 1  | 0  | 0  | 6  | 10 | 1  | 5  | 10 | 1  | 1  | **** | 2  | 2    |
| 14  | 1 | 0  | 2  | 2  | 2  | 1  | 1  | 1  | 6  | 2  | 3  | 2  | 3  | 3  | 0  | 0  | 1  | 1  | 2  | 1  | 1  | 1  | **** | 4  | 2    |
| 15  | 1 | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 5  | 1  | 8  | 11 | 10 | 2  | 0  | 1  | 0  | 0  | 1  | 1  | **** | 3  | 2    |
| 16  | 1 | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 13 | 15 | 1  | 0  | 1  | 1  | 1  | 2  | 2  | **** | 5  | 2    |
| 17  | 3 | 3  | 1  | 2  | 2  | 2  | 2  | 2  | 2  | 1  | 0  | 0  | 0  | 0  | 2  | 12 | 2  | 2  | 4  | 4  | 4  | 2  | **** | 4  | 2    |
| 18  | 1 | 2  | 1  | 1  | 1  | 1  | 2  | 17 | 10 | 15 | 13 | 16 | 6  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | **** | 4  | 4    |
| 19  | 2 | 1  | 1  | 2  | 2  | 1  | 1  | 1  | 1  | 5  | 7  | 7  | 12 | 13 | 6  | 2  | 4  | 3  | 2  | 2  | 2  | 2  | **** | 3  | 4    |
| 20  | 2 | 2  | 1  | 2  | 1  | 1  | 0  | 0  | 1  | 2  | 2  | 9  | 11 | 5  | 6  | 68 | 55 | 21 | 11 | 6  | 2  | 3  | **** | 4  | 9    |
| 21  | 7 | 11 | 3  | 2  | 1  | 2  | 1  | 1  | 2  | 2  | 2  | 6  | 10 | 20 | 31 | 32 | 43 | 20 | 6  | 3  | 9  | 19 | **** | 5  | 10   |
| 22  | 5 | 3  | 2  | 3  | 2  | 1  | 1  | 1  | 2  | 2  | 1  | 3  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 1  | 2  | 4  | **** | 5  | 2    |
| 23  | 7 | 3  | 3  | 2  | 1  | 1  | 1  | 1  | 4  | 64 | 24 | 16 | 10 | 7  | 9  | 4  | 0  | 2  | 1  | 1  | 4  | 7  | **** | 9  | 8    |
| 24  | 6 | 2  | 1  | 1  | 1  | 1  | 2  | 4  | 6  | 12 | 30 | 34 | 30 | 12 | 2  | 1  | 2  | 1  | 1  | 1  | 0  | 1  | **** | 5  | 7    |
| 25  | 2 | 2  | 4  | 8  | 6  | 5  | 5  | 6  | 4  | 3  | 3  | 3  | 3  | 3  | 2  | 2  | 3  | 2  | 3  | 2  | 1  | 3  | **** | 5  | 4    |
| 26  | 3 | 3  | 3  | 3  | 3  | 3  | 2  | 2  | 0  | 1  | 1  | 1  | 1  | 2  | 0  | 0  | 0  | 0  | 0  | 0  | 1  | 1  | **** | 3  | 2    |
| 27  | 1 | 1  | 1  | 1  | 1  | 2  | 2  | 1  | 1  | 4  | 6  | 2  | 1  | 1  | 0  | 1  | 4  | 1  | 1  | 2  | 0  | 1  | **** | 3  | 2    |
| 28  | 0 | 0  | 1  | 2  | 2  | 2  | 2  | 1  | 0  | 0  | 1  | 0  | 0  | 0  | 6  | 3  | 2  | 1  | 0  | 0  | 0  | 1  | **** | 1  | 1    |
| 29  | 0 | 0  | 0  | 0  | 0  | 0  | 0  | 3  | 10 | 12 | 14 | 6  | 6  | 3  | 1  | 2  | 4  | 0  | 0  | 0  | 0  | 0  | **** | 2  | 3    |
| 30  | 0 | 0  | 0  | 0  | 1  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 5  | 1  | 0  | 0  | 0  | 0  | 0  | 0  | 1  | 10 | **** | 7  | 1    |
| 31  | 9 | 19 | 14 | 20 | 17 | 14 | 16 | 25 | 14 | 4  | 1  | 1  | 0  | 0  | 1  | 1  | 0  | 0  | 0  | 1  | 1  | 1  | **** | 3  | 7    |

MONTHLY STATISTICS:

| GEOM | ARITH  | -----PERCENTILE----- |    |    |    |    | -----RANGE----- |       |           | STD GEOM   | PERCENT | NO. OF TIMES |  |
|------|--------|----------------------|----|----|----|----|-----------------|-------|-----------|------------|---------|--------------|--|
| MEAN | MEDIAN | 50                   | 90 | 95 | 98 | 99 | 1-HR            | 24-HR | DEVIATION | VALID DATA | 1-HR    | 24-HR        |  |
| 1    | 1      | 1                    | 11 | 17 | 26 | 33 | 0               | - 68  | 6         | 96         | 0       | 0            |  |

NOTES:

1. FLAGS FOR INVALID DATA :
  - \*\*\*\* : DAILY ZERO/SPAN CHECK
  - D : DYNAMIC CALIBRATION
  - T : TELEMETRY/DATALOGGR/ANALYZER FAULT
  - M : MAINTENANCE OR MACHINE SHUTDOWN
  - P : POWER FAILURE
2. BRACKETED READINGS EXCEED 1-HR OBJECTIVE 800 OR 24-HR OBJECTIVE 350



THE HONGKONG ELECTRIC COMPANY, LTD.  
AIR QUALITY DATA MONTHLY TIME SERIES REPORT

STATION : VICTORIA PEAK  
 POLLUTANT : SULPHUR DIOXIDE  
 MONTH: SEPTEMBER  
 YEAR : 2009  
 UNIT : MICROGRAMS/CUBIC METER

| DAY | 1  | 2  | 3 | 4 | 5 | 6 | 7 | 8 | 9  | 10 | 11 | 12            | 13 | 14 | 15 | 16  | 17 | 18 | 19 | 20 | 21 | 22 | 23   | 24 | MEAN |
|-----|----|----|---|---|---|---|---|---|----|----|----|---------------|----|----|----|-----|----|----|----|----|----|----|------|----|------|
| 1   | 2  | 2  | 1 | 2 | 2 | 3 | 3 | 2 | 7  | 5  | 6  | 5             | 4  | 2  | 2  | 1   | 1  | 1  | 2  | 2  | 3  | 3  | **** | 6  | 3    |
| 2   | 3  | 3  | 3 | 4 | 3 | 4 | 6 | 7 | 7  | 4  | 5  | 4             | 2  | 3  | 3  | 4   | 4  | 3  | 3  | 3  | 3  | 3  | **** | 5  | 4    |
| 3   | 3  | 3  | 2 | 2 | 1 | 2 | 3 | 3 | 6  | 4  | 3  | 3             | 3  | 2  | 1  | 1   | 2  | 2  | 2  | 2  | 2  | 2  | **** | 6  | 3    |
| 4   | 2  | 2  | 2 | 2 | 2 | 1 | 2 | 3 | 2  | 2  | 4  | 16            | 13 | 5  | 6  | 5   | 8  | 2  | 1  | 1  | 3  | 2  | **** | 3  | 4    |
| 5   | 1  | 1  | 1 | 1 | 1 | 1 | 2 | 1 | 3  | 3  | 3  | 3             | 3  | 2  | 0  | 1   | 1  | 3  | 1  | 1  | 2  | 1  | **** | 6  | 2    |
| 6   | 4  | 1  | 2 | 5 | 5 | 5 | 5 | 5 | 4  | 4  | 4  | 3             | 1  | 2  | 2  | 2   | 1  | 1  | 2  | 2  | 1  | 2  | **** | 3  | 3    |
| 7   | 1  | 2  | 2 | 1 | 1 | 1 | 2 | 1 | 2  | 1  | 0  | 0             | 0  | 0  | 0  | 0   | 0  | 1  | 0  | 1  | 0  | 2  | **** | 1  | 1    |
| 8   | 0  | 0  | 0 | 1 | 2 | 2 | 2 | 2 | 2  | 1  | 1  | 2             | 1  | 1  | 1  | 1   | 2  | 2  | 3  | 3  | 1  | 4  | **** | 6  | 2    |
| 9   | 5  | 4  | 3 | 3 | 4 | 3 | 4 | 5 | 6  | 5  | 5  | 4             | 5  | 5  | 5  | 3   | 3  | 3  | 3  | 2  | 3  | 3  | **** | 5  | 4    |
| 10  | 3  | 3  | 4 | 3 | 3 | 4 | 4 | 5 | 5  | 5  | 6  | 5             | 5  | 4  | 5  | 4   | 4  | 3  | 3  | 3  | 3  | 3  | **** | 5  | 4    |
| 11  | 3  | 3  | 3 | 3 | 3 | 2 | 2 | 4 | 3  | 3  | 3  | 2             | 2  | 3  | 2  | 2   | 2  | 1  | 1  | 1  | 1  | 1  | **** | 3  | 2    |
| 12  | 3  | 2  | 1 | 2 | 1 | 1 | 2 | 1 | 0  | 0  | 0  | 0             | 0  | 0  | 0  | 0   | 0  | 0  | 0  | 0  | 0  | 1  | **** | 3  | 1    |
| 13  | 3  | 2  | 1 | 1 | 1 | 2 | 2 | 7 | 5  | 9  | 11 | 10            | 10 | 19 | 19 | 48  | 41 | 32 | 23 | 1  | 1  | 0  | **** | 2  | 11   |
| 14  | 0  | 0  | 1 | 1 | 4 | 2 | 1 | 1 | 3  | 2  | 1  | 1             | 0  | 1  | 1  | 0   | 0  | 0  | 0  | 2  | 1  | 2  | **** | 5  | 1    |
| 15  | 2  | 2  | 1 | 4 | 2 | 2 | 0 | 0 | 0  | 0  | 1  | 0             | 0  | 0  | 1  | 1   | 1  | 0  | 1  | 1  | 1  | 1  | **** | 2  | 1    |
| 16  | 1  | 2  | 2 | 0 | 0 | 2 | 4 | 4 | 5  | 5  | 6  | 6             | 6  | 6  | 7  | 7   | 8  | 9  | 9  | 9  | 8  | 7  | **** | 9  | 5    |
| 17  | 6  | 5  | 5 | 5 | 5 | 5 | 5 | 4 | 5  | 5  | 4  | 5             | 6  | 5  | 4  | 22  | 41 | 78 | 37 | 30 | 44 | 20 | **** | 25 | 16   |
| 18  | 48 | 11 | 6 | 6 | 4 | 3 | 1 | 1 | 50 | 43 | 33 | 23            | 42 | 39 | 92 | 122 | 4  | 2  | 2  | 3  | 2  | 3  | **** | 3  | 24   |
| 19  | 1  | 1  | 0 | 0 | 0 | 2 | 2 | 2 | 16 | 17 | 13 | 14            | 18 | 30 | 50 | 2   | 1  | 2  | 2  | 17 | 13 | 9  | **** | 3  | 9    |
| 20  | 2  | 2  | 2 | 3 | 3 | 4 | 5 | 4 | 3  | 4  | 3  | 2             | 28 | 4  | 58 | 25  | 2  | 1  | 0  | 0  | 0  | 0  | **** | 2  | 7    |
| 21  | 0  | 1  | 1 | 1 | 1 | 1 | 1 | 1 | 1  | 1  | 2  | 8             | 5  | 5  | 7  | 4   | 5  | 2  | 5  | 7  | 4  | 7  | **** | 9  | 3    |
| 22  | 16 | 7  | 3 | 2 | 2 | 1 | 2 | 2 | 10 | 3  | 3  | 3             | 3  | 3  | 6  | 2   | 2  | 3  | 6  | 7  | 5  | 3  | **** | 4  | 4    |
| 23  | 2  | 3  | 2 | 3 | 4 | 3 | 4 | 5 | 6  | 6  | 5  | 5             | 4  | 2  | 2  | 2   | 2  | 2  | 2  | 2  | 2  | 2  | **** | 4  | 3    |
| 24  | 2  | 2  | 3 | 3 | 3 | 4 | 4 | 4 | 6  | 6  | 6  | 6             | 3  | 3  | 2  | 2   | 2  | 2  | 2  | 3  | 2  | 2  | **** | 4  | 3    |
| 25  | 2  | 3  | 3 | 2 | 2 | 3 | 4 | 4 | 4  | 4  | 4  | 3             | 2  | 3  | 2  | 2   | 1  | 2  | 3  | 2  | 3  | 2  | **** | 4  | 3    |
| 26  | 3  | 3  | 4 | 4 | 3 | 3 | 3 | 2 | 5  | 7  | 6  | 4             | 2  | 1  | 1  | 2   | 1  | 2  | 2  | 2  | 2  | 1  | **** | 3  | 3    |
| 27  | 3  | 3  | 2 | 2 | 3 | 6 | 6 | 7 | 7  | 6  | 7  | 8             | 5  | 4  | 3  | 3   | 4  | 4  | 4  | 6  | 4  | 3  | **** | 6  | 5    |
| 28  | 5  | 4  | 5 | 6 | 6 | 7 | 6 | 6 | 5  | 5  | 4  | 5             | 3  | 4  | 3  | 2   | 2  | 2  | 2  | 3  | 3  | 1  | **** | 1  | 4    |
| 29  | 1  | 1  | 1 | 1 | 2 | 3 | 2 | 2 | 2  | 3  | 4  | 4             | 4  | 1  | 2  | 1   | 1  | 1  | 1  | 1  | 1  | 3  | **** | 4  | 2    |
| 30  | 4  | 2  | 2 | 2 | 2 | 3 | 3 | 4 | 3  | 4  | 4  | <-----D-----> |    |    |    |     | 2  | 3  | 3  | 2  | 3  | 3  | **** | 5  | 3    |

MONTHLY STATISTICS:

| GEOM | ARITH  | <-----PERCENTILE-----> |    |    |    |    |      | <-----RANGE-----> |           |            |      | STD GEOM | PERCENT | NO. OF TIMES ABOVE OBJECTIVE |  |
|------|--------|------------------------|----|----|----|----|------|-------------------|-----------|------------|------|----------|---------|------------------------------|--|
| MEAN | MEDIAN | 50                     | 90 | 95 | 98 | 99 | 1-HR | 24-HR             | DEVIATION | VALID DATA | 1-HR | 24-HR    |         |                              |  |
| 2    | 3      | 3                      | 7  | 14 | 38 | 48 | 0    | - 122             | 3         | 95         | 0    | 0        |         |                              |  |

- NOTES:
1. FLAGS FOR INVALID DATA :
    - \*\*\*\* : DAILY ZERO/SPAN CHECK
    - D : DYNAMIC CALIBRATION
    - T : TELEMETRY/DATALOGGR/ANALYZER FAULT
    - M : MAINTENANCE OR MACHINE SHUTDOWN
    - P : POWER FAILURE
  2. BRACKETED READINGS EXCEED 1-HR OBJECTIVE 800 OR 24-HR OBJECTIVE 350

THE HONGKONG ELECTRIC COMPANY, LTD.  
AIR QUALITY DATA MONTHLY TIME SERIES REPORT

STATION : VICTORIA PEAK  
 POLLUTANT : NITROGEN DIOXIDE  
 MONTH: SEPTEMBER  
 YEAR : 2009  
 UNIT : MICROGRAMS/CUBIC METER

| DAY | 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12              | 13 | 14 | 15 | 16  | 17  | 18 | 19   | 20  | 21 | 22   | 23   | 24 | MEAN |
|-----|----|----|----|----|----|----|----|----|----|----|----|-----------------|----|----|----|-----|-----|----|------|-----|----|------|------|----|------|
| 1   | 6  | 3  | 4  | 6  | 4  | 9  | 10 | 35 | 47 | 29 | 26 | 25              | 19 | 17 | 6  | 3   | 4   | 6  | 2    | 2   | 4  | 1    | **** | 18 | 12   |
| 2   | 16 | 11 | 4  | 1  | 0  | 0  | 5  | 20 | 27 | 27 | 21 | 22              | 19 | 16 | 13 | 9   | 8   | 8  | 5    | 9   | 6  | 4    | **** | 7  | 11   |
| 3   | 3  | 5  | 0  | 0  | 0  | 3  | 9  | 23 | 38 | 35 | 30 | 27              | 13 | 11 | 8  | 9   | 11  | 9  | 16   | 8   | 6  | 6    | **** | 13 | 12   |
| 4   | 4  | 2  | 2  | 0  | 0  | 0  | 5  | 13 | 16 | 25 | 37 | 47              | 42 | 29 | 32 | 29  | 41  | 27 | 24   | 16  | 13 | 9    | **** | 6  | 18   |
| 5   | 8  | 8  | 8  | 2  | 5  | 3  | 5  | 8  | 6  | 6  | 9  | 19              | 8  | 7  | 7  | 12  | 15  | 13 | 11   | 9   | 10 | **** | 9    | 9  |      |
| 6   | 4  | 1  | 6  | 4  | 7  | 4  | 4  | 13 | 15 | 14 | 16 | 8               | 11 | 8  | 11 | 2   | 3   | 6  | 15   | 14  | 5  | 7    | **** | 8  | 8    |
| 7   | 5  | 2  | 5  | 0  | 0  | 1  | 5  | 8  | 15 | 24 | 13 | 24              | 22 | 22 | 18 | 17  | 8   | 4  | 7    | 11  | 10 | 15   | **** | 10 | 11   |
| 8   | 22 | 15 | 8  | 3  | 7  | 11 | 15 | 24 | 29 | 34 | 32 | 29              | 21 | 18 | 20 | 11  | 9   | 15 | 15   | 6   | 13 | 18   | **** | 13 | 17   |
| 9   | 2  | 0  | 3  | 1  | 0  | 2  | 3  | 11 | 32 | 30 | 24 | 14              | 14 | 15 | 9  | 12  | 10  | 8  | 6    | 7   | 13 | 13   | **** | 20 | 11   |
| 10  | 7  | 5  | 1  | 0  | 0  | 3  | 7  | 19 | 23 | 25 | 26 | 17              | 12 | 12 | 19 | 15  | 9   | 5  | 5    | 7   | 4  | 0    | **** | 5  | 10   |
| 11  | 0  | 0  | 0  | 0  | 0  | 0  | 1  | 7  | 16 | 20 | 18 | 18              | 12 | 9  | 11 | 16  | 13  | 14 | 10   | 10  | 6  | 4    | **** | 10 | 8    |
| 12  | 5  | 2  | 0  | 0  | 1  | 1  | 1  | 6  | 6  | 2  | 5  | 3               | 4  | 5  | 5  | 5   | 2   | 2  | 4    | 13  | 15 | 13   | **** | 38 | 6    |
| 13  | 31 | 12 | 17 | 18 | 23 | 14 | 5  | 18 | 24 | 44 | 55 | 50              | 63 | 78 | 66 | 125 | 107 | 84 | 73   | 31  | 5  | 1    | **** | 2  | 41   |
| 14  | 10 | 11 | 8  | 10 | 15 | 8  | 11 | 28 | 33 | 31 | 30 | 26              | 27 | 34 | 33 | 21  | 15  | 11 | 9    | 5   | 1  | 0    | **** | 5  | 17   |
| 15  | 7  | 4  | 8  | 10 | 4  | 7  | 5  | 6  | 5  | 6  | 7  | 6               | 3  | 3  | 1  | 7   | 12  | 7  | 8    | 11  | 9  | 8    | **** | 6  | 6    |
| 16  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 4  | 5  | 8  | 8  | 5               | 8  | 7  | 6  | 8   | 12  | 14 | 15   | 12  | 11 | 11   | **** | 5  | 6    |
| 17  | 6  | 3  | 0  | 0  | 0  | 3  | 1  | 3  | 8  | 14 | 15 | 16              | 13 | 13 | 7  | 38  | 35  | 43 | 32   | 37  | 43 | 36   | **** | 33 | 17   |
| 18  | 31 | 13 | 11 | 11 | 5  | 7  | 8  | 6  | 21 | 25 | 30 | 36              | 36 | 37 | 48 | 55  | 13  | 18 | 22   | 25  | 22 | 19   | **** | 8  | 22   |
| 19  | 9  | 8  | 12 | 22 | 19 | 29 | 21 | 20 | 35 | 43 | 44 | 38              | 46 | 39 | 32 | 18  | 20  | 24 | 49   | 69  | 60 | 48   | **** | 34 | 32   |
| 20  | 30 | 15 | 12 | 11 | 13 | 9  | 15 | 15 | 17 | 29 | 34 | 32              | 38 | 22 | 53 | 37  | 27  | 31 | 30   | 20  | 14 | 12   | **** | 6  | 23   |
| 21  | 10 | 3  | 0  | 0  | 0  | 3  | 1  | 23 | 31 | 37 | 43 | 52              | 47 | 54 | 47 | 45  | 65  | 81 | 130  | 119 | 83 | 121  | **** | 90 | 47   |
| 22  | 90 | 54 | 20 | 10 | 8  | 13 | 16 | 39 | 54 | 36 | 52 | 42              | 33 | 39 | 61 | 37  | 34  | 59 | 87   | 73  | 66 | 38   | **** | 40 | 43   |
| 23  | 40 | 37 | 28 | 28 | 23 | 14 | 21 | 40 | 39 | 29 | 26 | 15              | 19 | 20 | 21 | 27  | 19  | 18 | 18   | 13  | 12 | 11   | **** | 10 | 23   |
| 24  | 3  | 3  | 3  | 0  | 1  | 1  | 5  | 13 | 20 | 19 | 19 | 17              | 10 | 7  | 11 | 12  | 9   | 4  | 5    | 6   | 5  | 6    | **** | 9  | 8    |
| 25  | 1  | 2  | 2  | 0  | 0  | 1  | 4  | 14 | 15 | 22 | 20 | 16              | 12 | 14 | 7  | 6   | 7   | 8  | 8    | 9   | 7  | 1    | **** | 2  | 8    |
| 26  | 4  | 1  | 3  | 9  | 9  | 11 | 24 | 41 | 48 | 50 | 48 | 34              | 23 | 23 | 31 | 12  | 9   | 11 | 34   | 25  | 33 | 12   | **** | 18 | 22   |
| 27  | 26 | 19 | 14 | 15 | 20 | 21 | 21 | 29 | 31 | 36 | 40 | 51              | 33 | 22 | 27 | 35  | 35  | 35 | 40   | 35  | 32 | 23   | **** | 18 | 29   |
| 28  | 15 | 9  | 6  | 7  | 9  | 7  | 13 | 21 | 28 | 30 | 41 | 30              | 26 | 37 | 46 | 44  | 39  | 37 | 33   | 33  | 32 | 24   | **** | 25 | 26   |
| 29  | 18 | 14 | 9  | 6  | 7  | 7  | 9  | 16 | 18 | 20 | 22 | 19              | 18 | 20 | 21 | 25  | 23  | 23 | 23   | 23  | 21 | 23   | **** | 27 | 18   |
| 30  | 16 | 12 | 6  | 3  | 4  | 6  | 10 | 17 | 24 | 23 | 24 | <----- D -----> | 27 | 13 | 9  | 31  | 50  | 27 | **** | 32  | 19 |      |      |    |      |

MONTHLY STATISTICS:

| GEOM | ARITH  | <-----PERCENTILE-----> |    |    |    |    | <-----RANGE-----> |      |       | STD GEOM  | PERCENT    | NO. OF TIMES |       |   |   |
|------|--------|------------------------|----|----|----|----|-------------------|------|-------|-----------|------------|--------------|-------|---|---|
| MEAN | MEDIAN | MEAN                   | 50 | 90 | 95 | 98 | 99                | 1-HR | 24-HR | DEVIATION | VALID DATA | 1-HR         | 24-HR |   |   |
| 11   | 13     | 18                     | 13 | 38 | 49 | 71 | 89                | 0    | - 130 | 6         | - 47       | 4            | 95    | 0 | 0 |

- NOTES:
1. FLAGS FOR INVALID DATA :
    - \*\*\*\* : DAILY ZERO/SPAN CHECK
    - D : DYNAMIC CALIBRATION
    - T : TELEMETRY/DATALOGGR/ANALYZER FAULT
    - M : MAINTENANCE OR MACHINE SHUTDOWN
    - P : POWER FAILURE
  2. BRACKETED READINGS EXCEED 1-HR OBJECTIVE 300 OR 24-HR OBJECTIVE 150



THE HONGKONG ELECTRIC COMPANY, LTD.  
AIR QUALITY DATA MONTHLY TIME SERIES REPORT

STATION : CHUNG HOM KOK ZONE SUBSTATION MONTH: JULY YEAR : 2009  
 POLLUTANT : NITROGEN DIOXIDE UNIT : MICROGRAMS/CUBIC METER

| DAY | 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13              | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23   | 24 | MEAN |
|-----|----|----|----|----|----|----|----|----|----|----|----|----|-----------------|----|----|----|----|----|----|----|----|----|------|----|------|
| 1   | 7  | 7  | 8  | 7  | 7  | 8  | 10 | 9  | 8  | 10 | 7  | 7  | 7               | 7  | 9  | 10 | 12 | 12 | 15 | 19 | 15 | 13 | **** | 14 | 10   |
| 2   | 12 | 7  | 5  | 5  | 5  | 8  | 11 | 13 | 9  | 10 | 5  | 7  | 9               | 6  | 8  | 14 | 13 | 12 | 11 | 15 | 17 | 19 | **** | 20 | 10   |
| 3   | 11 | 15 | 5  | 5  | 6  | 7  | 8  | 10 | 9  | 10 | 9  | 8  | 11              | 15 | 15 | 14 | 13 | 20 | 24 | 19 | 9  | 24 | **** | 18 | 12   |
| 4   | 9  | 10 | 3  | 4  | 13 | 10 | 19 | 18 | 14 | 7  | 8  | 10 | 20              | 13 | 14 | 12 | 15 | 11 | 16 | 10 | 21 | 15 | **** | 13 | 12   |
| 5   | 7  | 12 | 7  | 7  | 12 | 12 | 9  | 12 | 14 | 14 | 12 | 12 | 12              | 9  | 15 | 17 | 10 | 17 | 13 | 18 | 10 | 9  | **** | 22 | 12   |
| 6   | 15 | 6  | 7  | 7  | 10 | 10 | 14 | 12 | 17 | 15 | 12 | 12 | 9               | 12 | 13 | 14 | 12 | 13 | 24 | 22 | 29 | 11 | **** | 11 | 13   |
| 7   | 15 | 13 | 20 | 18 | 14 | 13 | 13 | 12 | 14 | 11 | 15 | 23 | 15              | 13 | 12 | 13 | 15 | 13 | 21 | 21 | 15 | 16 | **** | 27 | 16   |
| 8   | 18 | 10 | 16 | 12 | 23 | 17 | 22 | 18 | 12 | 10 | 15 | 14 | 13              | 10 | 11 | 11 | 12 | 18 | 23 | 25 | 16 | 18 | **** | 26 | 16   |
| 9   | 20 | 13 | 11 | 9  | 7  | 11 | 11 | 11 | 9  | 8  | 8  | 11 | 15              | 16 | 10 | 16 | 19 | 16 | 14 | 11 | 12 | 11 | **** | 19 | 13   |
| 10  | 14 | 19 | 17 | 6  | 3  | 9  | 15 | 17 | 22 | 27 | 40 | 50 | 73              | 49 | 46 | 52 | 63 | 51 | 60 | 40 | 31 | 19 | **** | 14 | 32   |
| 11  | 2  | 1  | 0  | 1  | 1  | 1  | 1  | 1  | 2  | 1  | 1  | 1  | 1               | 2  | 3  | 2  | 3  | 5  | 5  | 7  | 4  | 6  | **** | 10 | 3    |
| 12  | 4  | 1  | 0  | 2  | 0  | 1  | 5  | 4  | 6  | 7  | 6  | 9  | 6               | 6  | 9  | 7  | 12 | 12 | 18 | 20 | 19 | 17 | **** | 19 | 8    |
| 13  | 13 | 8  | 4  | 4  | 5  | 5  | 10 | 12 | 12 | 19 | 11 | 6  | 10              | 24 | 13 | 14 | 23 | 22 | 19 | 21 | 19 | 17 | **** | 28 | 14   |
| 14  | 19 | 13 | 8  | 8  | 8  | 6  | 15 | 16 | 20 | 15 | 14 | 12 | 10              | 11 | 8  | 11 | 15 | 18 | 19 | 14 | 19 | 17 | **** | 16 | 14   |
| 15  | 7  | 3  | 4  | 1  | 4  | 5  | 4  | 10 | 11 | 9  | 8  | 7  | 5               | 4  | 7  | 8  | 5  | 9  | 7  | 9  | 7  | 6  | **** | 11 | 7    |
| 16  | 2  | 1  | 1  | 1  | 2  | 2  | 8  | 8  | 9  | 13 | 10 | 9  | 7               | 7  | 9  | 13 | 9  | 7  | 10 | 12 | 6  | 10 | **** | 15 | 7    |
| 17  | 7  | 4  | 2  | 2  | 4  | 6  | 6  | 7  | 8  | 7  | 10 | 8  | 8               | 12 | 19 | 16 | 18 | 16 | 23 | 27 | 28 | 31 | **** | 34 | 13   |
| 18  | 37 | 30 | 22 | 34 | 36 | 38 | 34 | 49 | 58 | 67 | 77 | 66 | 68              | 81 | 54 | 23 | 6  | 21 | 51 | 40 | 28 | 32 | **** | 24 | 42   |
| 19  | 29 | 20 | 10 | 9  | 6  | 3  | 3  | 2  | 4  | 5  | 6  | 9  | 14              | 13 | 16 | 13 | 23 | 20 | 10 | 10 | 7  | 7  | **** | 11 | 11   |
| 20  | 6  | 6  | 6  | 4  | 9  | 6  | 13 | 12 | 12 | 12 | 15 | 11 | 15              | 15 | 13 | 11 | 17 | 18 | 16 | 15 | 16 | 15 | **** | 23 | 12   |
| 21  | 13 | 11 | 4  | 8  | 10 | 10 | 13 | 18 | 14 | 10 | 8  | 8  | 8               | 12 | 16 | 12 | 15 | 18 | 18 | 18 | 18 | 15 | **** | 15 | 12   |
| 22  | 18 | 13 | 6  | 9  | 6  | 7  | 11 | 11 | 11 | 17 | 15 | 9  | 8               | 9  | 11 | 8  | 10 | 13 | 14 | 13 | 13 | 14 | **** | 23 | 12   |
| 23  | 15 | 7  | 6  | 6  | 7  | 15 | 17 | 5  | 6  | 7  | 11 | 14 | 8               | 11 | 9  | 12 | 15 | 17 | 13 | 12 | 12 | 15 | **** | 20 | 11   |
| 24  | 5  | 9  | 12 | 13 | 15 | 15 | 15 | 21 | 16 | 9  | 8  | 13 | 9               | 11 | 9  | 15 | 14 | 18 | 17 | 19 | 14 | 12 | **** | 19 | 13   |
| 25  | 20 | 17 | 18 | 14 | 16 | 19 | 18 | 14 | 16 | 14 | 13 | 12 | 10              | 12 | 19 | 14 | 15 | 18 | 21 | 24 | 15 | 7  | **** | 20 | 16   |
| 26  | 17 | 17 | 5  | 16 | 10 | 12 | 9  | 7  | 6  | 10 | 9  | 10 | 12              | 9  | 13 | 8  | 7  | 14 | 23 | 22 | 22 | 15 | **** | 21 | 13   |
| 27  | 15 | 15 | 11 | 3  | 5  | 7  | 9  | 17 | 13 | 9  | 11 | 10 | 7               | 16 | 19 | 9  | 9  | 10 | 18 | 15 | 12 | 10 | **** | 19 | 12   |
| 28  | 10 | 12 | 7  | 2  | 4  | 5  | 6  | 8  | 10 | 11 | 12 | 12 | 7               | 7  | 8  | 7  | 8  | 9  | 13 | 12 | 14 | 11 | **** | 17 | 9    |
| 29  | 11 | 8  | 4  | 6  | 11 | 11 | 15 | 12 | 12 | 17 | 13 | 9  | <----- D -----> |    |    | 9  | 8  | 12 | 19 | 23 | 15 | 15 | **** | 13 | 12   |
| 30  | 6  | 1  | 3  | 4  | 5  | 3  | 8  | 9  | 12 | 9  | 8  | 14 | 7               | 6  | 7  | 10 | 15 | 11 | 12 | 8  | 8  | 6  | **** | 8  | 8    |
| 31  | 3  | 7  | 3  | 2  | 2  | 2  | 5  | 9  | 12 | 14 | 9  | 10 | 8               | 10 | 9  | 9  | 9  | 11 | 10 | 15 | 13 | 14 | **** | 18 | 9    |

MONTHLY STATISTICS:

| GEOM |        | ARITH | -----PERCENTILE----- |    |    |    |    | -----RANGE----- |   |       |   | STD GEOM  | PERCENT    | NO. OF TIMES |       |   |   |
|------|--------|-------|----------------------|----|----|----|----|-----------------|---|-------|---|-----------|------------|--------------|-------|---|---|
| MEAN | MEDIAN | MEAN  | 50                   | 90 | 95 | 98 | 99 | 1-HR            |   | 24-HR |   | DEVIATION | VALID DATA | 1-HR         | 24-HR |   |   |
| 10   | 12     | 13    | 12                   | 21 | 27 | 49 | 59 | 0               | - | 81    | 3 | -         | 42         | 2            | 95    | 0 | 0 |

NOTES:

1. FLAGS FOR INVALID DATA :
  - \*\*\*\* : DAILY ZERO/SPAN CHECK
  - D : DYNAMIC CALIBRATION
  - T : TELEMETRY/DATALOGGR/ANALYZER FAULT
  - M : MAINTENANCE OR MACHINE SHUTDOWN
  - P : POWER FAILURE
2. BRACKETED READINGS EXCEED 1-HR OBJECTIVE 300 OR 24-HR OBJECTIVE 150

THE HONGKONG ELECTRIC COMPANY, LTD.  
AIR QUALITY DATA MONTHLY TIME SERIES REPORT

STATION : CHUNG HOM KOK ZONE SUBSTATION      MONTH: AUGUST      YEAR : 2009  
 POLLUTANT : SULPHUR DIOXIDE      UNIT : MICROGRAMS/CUBIC METER

| DAY | 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23   | 24 | MEAN |
|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|------|----|------|
| 1   | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 3  | 29 | 21 | 1  | 11 | 23 | 16 | 18 | 25 | 35 | 27 | 34 | 31 | 16 | **** | 1  | 13   |
| 2   | 0  | 0  | 7  | 6  | 7  | 0  | 6  | 2  | 2  | 1  | 5  | 9  | 18 | 23 | 18 | 12 | 14 | 7  | 4  | 5  | 12 | 7  | **** | 12 | 8    |
| 3   | 9  | 9  | 7  | 1  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 1  | 1  | 2  | 2  | M  | 3  | 2  | 3  | 4  | 5  | 5  | **** | 15 | 3    |
| 4   | 7  | 7  | 5  | 5  | 6  | 5  | 6  | 5  | 3  | 4  | 4  | 5  | 3  | 4  | 3  | 4  | 5  | 4  | 3  | 4  | 5  | 5  | **** | 13 | 5    |
| 5   | 6  | 6  | 6  | 5  | 4  | 4  | 5  | 4  | 4  | 4  | 5  | 5  | 5  | 5  | 4  | 5  | 6  | 4  | 6  | 3  | 3  | 4  | **** | 14 | 5    |
| 6   | 7  | 7  | 9  | 7  | 5  | 6  | 7  | 7  | 6  | 7  | 5  | 6  | 5  | 6  | 7  | 8  | 9  | 8  | 9  | 10 | 15 | 20 | **** | 27 | 9    |
| 7   | 27 | 25 | 25 | 60 | 34 | 19 | 30 | 16 | 17 | 37 | 44 | 28 | 38 | 25 | 17 | 18 | 15 | 11 | 15 | 12 | 17 | 17 | **** | 23 | 25   |
| 8   | 12 | 14 | 15 | 13 | 9  | 10 | 10 | 14 | 18 | 28 | 45 | 45 | 40 | 34 | 36 | 34 | 36 | 22 | 15 | 14 | 11 | 8  | **** | 20 | 22   |
| 9   | 15 | 13 | 12 | 11 | 15 | 15 | 27 | 44 | 51 | 43 | 71 | 84 | 59 | 20 | 15 | 12 | 8  | 7  | 8  | 9  | 7  | 5  | **** | 22 | 25   |
| 10  | 11 | 8  | 11 | 13 | 13 | 15 | 14 | 9  | 11 | 10 | 9  | 12 | 12 | 20 | 25 | 19 | 13 | 11 | 10 | 7  | 7  | 7  | **** | 19 | 12   |
| 11  | 9  | 8  | 8  | 9  | 14 | 7  | 6  | 4  | 4  | 5  | 3  | 4  | 16 | 6  | 6  | 6  | 5  | 4  | 6  | 4  | 4  | 4  | **** | 20 | 7    |
| 12  | 7  | 6  | 9  | 7  | 7  | 4  | 6  | 6  | 6  | 6  | 9  | 6  | 7  | 8  | 12 | 6  | 12 | 10 | 6  | 8  | 7  | 7  | **** | 20 | 8    |
| 13  | 11 | 8  | 6  | 7  | 8  | 8  | 9  | 8  | 7  | 9  | 13 | 8  | 8  | 8  | 11 | 7  | 7  | 6  | 8  | 14 | 11 | 9  | **** | 35 | 10   |
| 14  | 19 | 17 | 17 | 16 | 10 | 12 | 11 | 8  | 5  | 8  | 10 | 18 | 18 | 7  | 9  | 10 | 15 | 12 | 13 | 14 | 9  | 9  | **** | 22 | 13   |
| 15  | 18 | 12 | 11 | 10 | 9  | 14 | 20 | 21 | 22 | 27 | 32 | 24 | 11 | 12 | 10 | 7  | 10 | 8  | 9  | 7  | 9  | 7  | **** | 20 | 14   |
| 16  | 8  | 7  | 7  | 7  | 7  | 8  | 13 | 12 | 14 | 13 | 10 | 11 | 10 | 9  | 9  | 6  | 6  | 11 | 7  | 11 | 12 | 11 | **** | 21 | 10   |
| 17  | 8  | 11 | 16 | 11 | 11 | 13 | 16 | 25 | 23 | 26 | 22 | 20 | 23 | 24 | 17 | 15 | 13 | 14 | 15 | 16 | 16 | 20 | **** | 25 | 17   |
| 18  | 16 | 16 | 11 | 11 | 13 | 14 | 10 | 7  | 7  | 24 | 16 | 5  | 5  | 4  | 8  | 9  | 10 | 7  | 4  | 5  | 4  | 3  | **** | 12 | 10   |
| 19  | 6  | 6  | 6  | 6  | 6  | 9  | 9  | 11 | 12 | 9  | 12 | 18 | 10 | 12 | 12 | 12 | 11 | 10 | 9  | 9  | 8  | 10 | **** | 20 | 10   |
| 20  | 10 | 11 | 11 | 22 | 18 | 10 | 9  | 8  | 9  | 24 | 29 | 16 | 15 | 15 | 12 | 12 | 11 | 12 | 13 | 14 | 12 | 18 | **** | 29 | 15   |
| 21  | 25 | 25 | 14 | 17 | 13 | 16 | 10 | 14 | 8  | 27 | 20 | 14 | 13 | 18 | 16 | 17 | 19 | 13 | 11 | 13 | 22 | 18 | **** | 25 | 17   |
| 22  | 13 | 21 | 17 | 13 | 24 | 21 | 16 | 9  | 9  | 29 | 30 | 26 | 9  | 13 | 14 | 16 | 10 | 17 | 11 | 13 | 17 | 23 | **** | 29 | 18   |
| 23  | 34 | 22 | 19 | 23 | 18 | 12 | 11 | 7  | 16 | 35 | 50 | 35 | 26 | 24 | 28 | 25 | 17 | 16 | 15 | 23 | 20 | 30 | **** | 32 | 23   |
| 24  | 15 | 14 | 12 | 12 | 15 | 16 | 16 | 14 | 15 | 27 | 12 | 12 | 13 | 14 | 9  | 7  | 7  | 7  | 9  | 6  | 10 | 11 | **** | 21 | 13   |
| 25  | 9  | 7  | 8  | 17 | 11 | 8  | 10 | 9  | 8  | 6  | 5  | 7  | 5  | 9  | 6  | 6  | 6  | 8  | 7  | 7  | 6  | 9  | **** | 21 | 8    |
| 26  | 8  | 8  | 6  | 8  | 6  | 7  | 7  | 9  | 13 | 11 | 9  | 8  | 7  | 5  | 6  | 8  | 9  | 8  | 11 | 14 | 13 | 13 | **** | 23 | 10   |
| 27  | 11 | 9  | 9  | 7  | 9  | 10 | 9  | 9  | 9  | 14 | 14 | 11 | 7  | 10 | 10 | 13 | 14 | 17 | 10 | 11 | 11 | 11 | **** | 27 | 11   |
| 28  | 18 | 14 | 17 | 10 | 9  | 14 | 10 | 11 | 8  | 13 | 33 | 14 | 12 | 17 | 22 | 19 | 24 | 17 | 16 | 15 | 14 | 17 | **** | 33 | 16   |
| 29  | 13 | 9  | 11 | 15 | 15 | 10 | 7  | 9  | 11 | 14 | 15 | 19 | 19 | 17 | 15 | 19 | 15 | 14 | 13 | 13 | 13 | 13 | **** | 27 | 14   |
| 30  | 12 | 13 | 9  | 8  | 5  | 5  | 6  | 5  | 5  | 7  | 10 | 10 | 19 | 11 | 8  | 9  | 9  | 11 | 10 | 9  | 13 | 17 | **** | 33 | 11   |
| 31  | 15 | 37 | 29 | 18 | 48 | 31 | 20 | 21 | 16 | 15 | 12 | 10 | 9  | 8  | 8  | 9  | 11 | 8  | 8  | 15 | 15 | 11 | **** | 26 | 17   |

MONTHLY STATISTICS:

| GEOM |        | ARITH | -----PERCENTILE----- |    |    |    |    | -----RANGE----- |   |    |       |   | STD GEOM  | PERCENT    | NO. OF TIMES |       |   |
|------|--------|-------|----------------------|----|----|----|----|-----------------|---|----|-------|---|-----------|------------|--------------|-------|---|
| MEAN | MEDIAN | MEAN  | 50                   | 90 | 95 | 98 | 99 | 1-HR            |   |    | 24-HR |   | DEVIATION | VALID DATA | 1-HR         | 24-HR |   |
| 10   | 11     | 13    | 11                   | 24 | 30 | 37 | 45 | 0               | - | 84 | 3     | - | 25        | 2          | 96           | 0     | 0 |

NOTES:

1. FLAGS FOR INVALID DATA :
  - \*\*\*\* : DAILY ZERO/SPAN CHECK
  - D : DYNAMIC CALIBRATION
  - T : TELEMETRY/DATALOGGR/ANALYZER FAULT
  - M : MAINTENANCE OR MACHINE SHUTDOWN
  - P : POWER FAILURE
2. BRACKETED READINGS EXCEED 1-HR OBJECTIVE 800 OR 24-HR OBJECTIVE 350



THE HONGKONG ELECTRIC COMPANY, LTD.  
AIR QUALITY DATA MONTHLY TIME SERIES REPORT

STATION : CHUNG HOM KOK ZONE SUBSTATION      MONTH: SEPTEMBER      YEAR : 2009  
 POLLUTANT : SULPHUR DIOXIDE      UNIT : MICROGRAMS/CUBIC METER

| DAY | 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12  | 13  | 14  | 15  | 16            | 17 | 18 | 19 | 20 | 21 | 22 | 23   | 24  | MEAN |
|-----|----|----|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|---------------|----|----|----|----|----|----|------|-----|------|
| 1   | 11 | 10 | 9  | 9  | 9  | 10 | 11 | 10 | 9  | 8  | 10 | 12  | 7   | 6   | 6   | 8             | 9  | 7  | 7  | 9  | 8  | 7  | **** | 26  | 9    |
| 2   | 10 | 12 | 8  | 7  | 6  | 7  | 9  | 7  | 8  | 7  | 8  | 7   | 6   | 5   | 4   | 6             | 6  | 6  | 4  | 4  | 5  | 3  | **** | 21  | 7    |
| 3   | 7  | 7  | 5  | 5  | 6  | 8  | 9  | 8  | 8  | 8  | 9  | 7   | 6   | 5   | 6   | 7             | 6  | 7  | 5  | 7  | 6  | 7  | **** | 27  | 8    |
| 4   | 11 | 9  | 9  | 8  | 9  | 8  | 8  | 12 | 9  | 9  | 8  | 9   | 10  | 13  | 17  | 13            | 15 | 10 | 11 | 11 | 11 | 13 | **** | 29  | 11   |
| 5   | 11 | 10 | 8  | 8  | 8  | 7  | 8  | 6  | 7  | 7  | 6  | 6   | 6   | 9   | 8   | 8             | 13 | 13 | 9  | 8  | 5  | 8  | **** | 25  | 9    |
| 6   | 8  | 7  | 6  | 8  | 8  | 7  | 5  | 6  | 7  | 4  | 4  | 4   | 5   | 5   | 6   | 6             | 6  | 7  | 9  | 8  | 6  | 6  | **** | 25  | 7    |
| 7   | 8  | 7  | 9  | 7  | 6  | 7  | 7  | 7  | 7  | 5  | 5  | 6   | 7   | 6   | 6   | 6             | 7  | 11 | 10 | 11 | 9  | 14 | **** | 30  | 9    |
| 8   | 12 | 10 | 11 | 9  | 10 | 8  | 10 | 11 | 8  | 8  | 8  | 9   | 8   | 7   | 9   | 9             | 10 | 9  | 13 | 11 | 9  | 11 | **** | 34  | 11   |
| 9   | 11 | 10 | 10 | 7  | 8  | 8  | 9  | 8  | 6  | 6  | 5  | 6   | 5   | 5   | 6   | 8             | 8  | 7  | 6  | 6  | 8  | 6  | **** | 45  | 9    |
| 10  | 10 | 13 | 11 | 10 | 9  | 9  | 12 | 10 | 10 | 10 | 10 | 11  | 9   | 9   | 10  | 9             | 7  | 7  | 6  | 7  | 7  | 7  | **** | 65  | 12   |
| 11  | 11 | 10 | 8  | 7  | 7  | 7  | 8  | 6  | 6  | 5  | 6  | 8   | 6   | 6   | 6   | 6             | 7  | 5  | 5  | 6  | 6  | 7  | **** | 75  | 10   |
| 12  | 10 | 8  | 8  | 6  | 6  | 6  | 7  | 7  | 6  | 6  | 6  | 8   | 6   | 6   | 6   | 6             | 9  | 7  | 9  | 9  | 11 | 11 | **** | 115 | 12   |
| 13  | 19 | 15 | 13 | 11 | 9  | 8  | 10 | 9  | 9  | 11 | 18 | 29  | 28  | 31  | 28  | 30            | 36 | 30 | 23 | 19 | 16 | 12 | **** | 194 | 26   |
| 14  | 26 | 15 | 10 | 7  | 6  | 6  | 4  | 1  | 1  | 0  | 0  | 0   | 0   | 0   | 0   | 4             | 6  | 5  | 3  | 0  | 0  | 0  | **** | 10  | 5    |
| 15  | 5  | 5  | 3  | 3  | 2  | 3  | 3  | 1  | 1  | 1  | 1  | 2   | 1   | 1   | 1   | <-----D-----> |    |    |    |    |    |    | **** | 0   | 2    |
| 16  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 0   | 0   | 0   | 0             | 0  | 0  | 0  | 0  | 4  | 3  | **** | 0   | 0    |
| 17  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 1   | 6   | 7   | 1   | 0             | 0  | 0  | 1  | 5  | 11 | 3  | **** | 11  | 2    |
| 18  | 6  | 0  | 0  | 1  | 6  | 0  | 0  | 0  | 10 | 33 | 63 | 75  | 189 | 249 | 285 | 17            | 2  | 7  | 10 | 7  | 2  | 0  | **** | 8   | 42   |
| 19  | 1  | 0  | 0  | 8  | 5  | 6  | 11 | 9  | 42 | 61 | 43 | 116 | 112 | 37  | 12  | 1             | 2  | 0  | 1  | 7  | 0  | 4  | **** | 8   | 21   |
| 20  | 12 | 1  | 4  | 1  | 6  | 3  | 4  | 1  | 8  | 12 | 9  | 2   | 18  | 23  | 0   | 0             | 2  | 0  | 0  | 0  | 0  | 0  | **** | 0   | 5    |
| 21  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 1   | 0   | 0   | 3             | 11 | 3  | 1  | 0  | 0  | 0  | **** | 0   | 1    |
| 22  | 0  | 1  | 0  | 0  | 0  | 1  | 0  | 0  | 0  | 0  | 0  | 0   | 0   | 0   | 0   | 0             | 0  | 0  | 0  | 0  | 0  | 0  | **** | 0   | 0    |
| 23  | 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  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 0   | 0   | 0   | 0             | 0  | 0  | 0  | 0  | 0  | 0  | **** | 0   | 0    |
| 25  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 0   | 0   | 0   | 0             | 0  | 0  | 0  | 0  | 0  | 0  | **** | 0   | 0    |
| 26  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 2  | 0   | 0   | 0   | 0   | 0             | 0  | 1  | 1  | 0  | 0  | 0  | **** | 0   | 0    |
| 27  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 0   | 0   | 0   | 0             | 0  | 0  | 0  | 0  | 0  | 0  | **** | 0   | 0    |
| 28  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 0   | 0   | 0   | 0             | 0  | 0  | 0  | 0  | 0  | 0  | **** | 0   | 0    |
| 29  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 0   | 0   | 0   | 0             | 0  | 0  | 0  | 0  | 0  | 0  | **** | 0   | 0    |
| 30  | 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 STATISTICS:

| GEOM | ARITH  | <-----PERCENTILE-----> |    |    |    |    | <-----RANGE-----> |      |       | STD GEOM  | PERCENT    | NO. OF TIMES ABOVE OBJECTIVE |       |
|------|--------|------------------------|----|----|----|----|-------------------|------|-------|-----------|------------|------------------------------|-------|
| MEAN | MEDIAN | MEAN                   | 50 | 90 | 95 | 98 | 99                | 1-HR | 24-HR | DEVIATION | VALID DATA | 1-HR                         | 24-HR |
| 7    | 5      | 7                      | 5  | 11 | 20 | 43 | 94                | 0    | - 285 | 3         | 95         | 0                            | 0     |

- NOTES:
1. FLAGS FOR INVALID DATA :
    - \*\*\*\* : DAILY ZERO/SPAN CHECK
    - D : DYNAMIC CALIBRATION
    - T : TELEMETRY/DATALOGGR/ANALYZER FAULT
    - M : MAINTENANCE OR MACHINE SHUTDOWN
    - P : POWER FAILURE
  2. BRACKETED READINGS EXCEED 1-HR OBJECTIVE 800 OR 24-HR OBJECTIVE 350

THE HONGKONG ELECTRIC COMPANY, LTD.  
AIR QUALITY DATA MONTHLY TIME SERIES REPORT

STATION : CHUNG HOM KOK ZONE SUBSTATION MONTH: SEPTEMBER YEAR : 2009  
 POLLUTANT : NITROGEN DIOXIDE UNIT : MICROGRAMS/CUBIC METER

| DAY | 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23   | 24 | MEAN |
|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|------|----|------|
| 1   | 4  | 2  | 5  | 5  | 3  | 4  | 8  | 12 | 10 | 7  | 5  | 8  | 8  | 6  | 9  | 10 | 10 | 10 | 12 | 12 | 12 | 9  | **** | 6  | 8    |
| 2   | 3  | 6  | 2  | 2  | 1  | 1  | 5  | 9  | 7  | 10 | 7  | 8  | 11 | 11 | 9  | 14 | 14 | 16 | 10 | 11 | 12 | 4  | **** | 5  | 8    |
| 3   | 3  | 4  | 2  | 2  | 2  | 3  | 10 | 12 | 13 | 8  | 9  | 8  | 9  | 7  | 11 | 12 | 9  | 8  | 5  | 7  | 8  | 7  | **** | 10 | 7    |
| 4   | 6  | 5  | 5  | 3  | 4  | 4  | 8  | 19 | 10 | 13 | 12 | 13 | 16 | 16 | 17 | 11 | 18 | 20 | 22 | 28 | 24 | 22 | **** | 15 | 13   |
| 5   | 9  | 8  | 6  | 5  | 5  | 5  | 8  | 10 | 9  | 11 | 10 | 10 | 12 | 13 | 12 | 18 | 20 | 21 | 23 | 24 | 19 | 19 | **** | 19 | 13   |
| 6   | 9  | 6  | 6  | 6  | 10 | 7  | 6  | 8  | 8  | 7  | 7  | 7  | 6  | 9  | 11 | 15 | 17 | 21 | 23 | 16 | 14 | 11 | **** | 11 | 10   |
| 7   | 4  | 3  | 2  | 2  | 0  | 1  | 3  | 10 | 10 | 8  | 9  | 7  | 6  | 9  | 11 | 9  | 12 | 18 | 18 | 25 | 8  | 10 | **** | 7  | 8    |
| 8   | 1  | 0  | 0  | 1  | 1  | 1  | 2  | 6  | 9  | 7  | 6  | 9  | 11 | 9  | 14 | 14 | 21 | 23 | 26 | 28 | 7  | 5  | **** | 12 | 9    |
| 9   | 3  | 1  | 1  | 0  | 1  | 0  | 5  | 14 | 6  | 6  | 5  | 8  | 4  | 8  | 9  | 12 | 15 | 15 | 15 | 11 | 6  | 2  | **** | 6  | 7    |
| 10  | 1  | 2  | 2  | 1  | 1  | 1  | 3  | 6  | 3  | 4  | 3  | 5  | 4  | 4  | 5  | 5  | 6  | 4  | 2  | 2  | 3  | 2  | **** | 7  | 3    |
| 11  | 2  | 2  | 1  | 0  | 0  | 0  | 1  | 6  | 5  | 3  | 3  | 5  | 5  | 3  | 1  | 2  | 3  | 3  | 3  | 3  | 1  | 2  | **** | 7  | 3    |
| 12  | 0  | 0  | 0  | 0  | 1  | 0  | 1  | 3  | 4  | 5  | 5  | 6  | 6  | 5  | 8  | 7  | 12 | 14 | 22 | 10 | 8  | 8  | **** | 20 | 6    |
| 13  | 11 | 5  | 6  | 4  | 8  | 14 | 19 | 20 | 25 | 30 | 62 | 75 | 89 | 80 | 69 | 79 | 98 | 80 | 63 | 27 | 14 | 12 | **** | 11 | 39   |
| 14  | 2  | 1  | 2  | 2  | 4  | 5  | 5  | 6  | 8  | 9  | 9  | 6  | 5  | 6  | 7  | 2  | 3  | 2  | 2  | 2  | 2  | 2  | **** | 6  | 4    |
| 15  | 2  | 1  | 1  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 1  | 3  | 2  | 1  | 2  | 7  | M  | 8  | 4  | 10 | 13 | 11 | **** | 11 | 3    |
| 16  | 0  | 0  | 0  | 0  | 1  | 0  | 7  | 11 | 8  | 9  | 10 | 10 | 11 | 9  | 10 | 7  | 12 | 12 | 16 | 20 | 24 | 21 | **** | 18 | 9    |
| 17  | 15 | 6  | 6  | 4  | 8  | 12 | 12 | 21 | 15 | 11 | 10 | 11 | 14 | 18 | 13 | 12 | 15 | 15 | 21 | 20 | 16 | 15 | **** | 24 | 14   |
| 18  | 22 | 18 | 21 | 19 | 23 | 17 | 15 | 17 | 21 | 25 | 29 | 29 | 36 | 45 | 57 | 29 | 19 | 27 | 25 | 17 | 19 | 14 | **** | 20 | 24   |
| 19  | 13 | 15 | 13 | 26 | 22 | 21 | 26 | 23 | 29 | 41 | 46 | 52 | 46 | 34 | 27 | 23 | 26 | 31 | 33 | 26 | 16 | 21 | **** | 24 | 28   |
| 20  | 20 | 22 | 20 | 15 | 14 | 13 | 18 | 16 | 24 | 23 | 20 | 15 | 16 | 20 | 14 | 16 | 15 | 19 | 31 | 29 | 21 | 19 | **** | 18 | 19   |
| 21  | 11 | 5  | 2  | 3  | 6  | 7  | 8  | 13 | 23 | 14 | 8  | 8  | 14 | 10 | 13 | 22 | 27 | 19 | 27 | 24 | 10 | 19 | **** | 10 | 13   |
| 22  | 9  | 18 | 12 | 7  | 5  | 5  | 8  | 18 | 14 | 14 | 8  | 8  | 9  | 13 | 16 | 15 | 13 | 16 | 21 | 19 | 17 | 8  | **** | 11 | 12   |
| 23  | 12 | 9  | 7  | 7  | 7  | 6  | 6  | 9  | 10 | 10 | 9  | 7  | 7  | 2  | 5  | 9  | 10 | 10 | 10 | 9  | 6  | 1  | **** | 6  | 7    |
| 24  | 1  | 0  | 0  | 0  | 0  | 0  | 2  | 6  | 6  | 9  | 6  | 6  | 6  | 5  | 7  | 7  | 6  | 5  | 3  | 6  | 5  | 4  | **** | 12 | 4    |
| 25  | 4  | 0  | 1  | 0  | 0  | 1  | 2  | 7  | 7  | 6  | 6  | 5  | 3  | 6  | 8  | 10 | 13 | 22 | 17 | 14 | 13 | 9  | **** | 22 | 8    |
| 26  | 6  | 0  | 0  | 0  | 0  | 0  | 2  | 7  | 19 | 26 | 25 | 3  | 10 | 6  | 9  | 5  | 13 | 13 | 3  | 0  | 0  | 0  | **** | 12 | 7    |
| 27  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 2  | 3  | 3  | 7  | 5  | 2  | 0  | 1  | 3  | 4  | 9  | 9  | 9  | 2  | 1  | **** | 18 | 3    |
| 28  | 0  | 0  | 0  | 2  | 3  | 1  | 3  | 11 | 11 | 10 | 11 | 8  | 6  | 4  | 3  | 6  | 1  | 1  | 4  | 3  | 3  | 1  | **** | 8  | 4    |
| 29  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 1  | 4  | 3  | 3  | 1  | 0  | 0  | 0  | 0  | 0  | 0  | 1  | 1  | 1  | 1  | **** | 17 | 1    |
| 30  | 7  | 1  | 0  | 0  | 0  | 2  | 3  | 8  | 8  | 7  | 4  | 4  | 3  | 0  | 2  | 1  | 5  | 5  | 4  | 1  | 3  | 1  | **** | 13 | 4    |

MONTHLY STATISTICS:

| GEOM | ARITH  | <-----PERCENTILE-----> |    |    |    |    |      | <-----RANGE-----> |       |       |       |           |            | STD GEOM | PERCENT | NO. OF TIMES |           |
|------|--------|------------------------|----|----|----|----|------|-------------------|-------|-------|-------|-----------|------------|----------|---------|--------------|-----------|
| MEAN | MEDIAN | 50                     | 90 | 95 | 98 | 99 | 1-HR | 24-HR             | 24-HR | 24-HR | 24-HR | DEVIATION | VALID DATA | 1-HR     | 24-HR   | ABOVE        | OBJECTIVE |
| 6    | 7      | 10                     | 7  | 21 | 26 | 43 | 66   | 0                 | -     | 98    | 1     | -         | 39         | 4        | 96      | 0            | 0         |

- NOTES: 1. FLAGS FOR INVALID DATA :  
 \*\*\*\* : DAILY ZERO/SPAN CHECK  
 D : DYNAMIC CALIBRATION  
 T : TELEMETRY/DATALOGGR/ANALYZER FAULT  
 M : MAINTENANCE OR MACHINE SHUTDOWN  
 P : POWER FAILURE
2. BRACKETED READINGS EXCEED 1-HR OBJECTIVE 300 OR 24-HR OBJECTIVE 150

THE HONGKONG ELECTRIC COMPANY, LTD.  
AIR QUALITY DATA MONTHLY TIME SERIES REPORT

STATION : VICTORIA ROAD SUBSTATION  
POLLUTANT : SULPHUR DIOXIDE

MONTH: JULY

YEAR : 2009  
UNIT : MICROGRAMS/CUBIC METER

| DAY | 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9   | 10 | 11            | 12            | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21   | 22   | 23   | 24   | MEAN |   |
|-----|----|----|----|----|----|----|----|----|-----|----|---------------|---------------|----|----|----|----|----|----|----|----|------|------|------|------|------|---|
| 1   | 18 | 15 | 13 | 10 | 9  | 13 | 13 | 9  | 15  | 23 | 22            | 13            | 12 | 18 | 15 | 24 | 16 | 18 | 22 | 23 | 20   | 17   | **** | 40   | 17   |   |
| 2   | 27 | 21 | 21 | 18 | 19 | 15 | 17 | 12 | 15  | 16 | 13            | 14            | 11 | 13 | 15 | 18 | 20 | 15 | 18 | 15 | 11   | 12   | **** | 43   | 17   |   |
| 3   | 23 | 19 | 17 | 14 | 15 | 19 | 18 | 17 | 21  | 19 | 19            | <-----M-----> |    |    |    |    | 18 | 19 | 18 | 15 | **** | 35   |      |      |      |   |
| 4   | 18 | 15 | 13 | 13 | 17 | 14 | 13 | 15 | 14  | 10 | 9             | 7             | 8  | 10 | 8  | 8  | 9  | 9  | 10 | 9  | 9    | 9    | **** | 41   | 12   |   |
| 5   | 14 | 13 | 15 | 8  | 9  | 10 | 10 | 9  | 8   | 8  | 7             | 8             | 9  | 8  | 7  | 7  | 7  | 8  | 7  | 7  | 6    | 5    | **** | 45   | 10   |   |
| 6   | 17 | 10 | 9  | 6  | 6  | 6  | 4  | 4  | 3   | 2  | 1             | 0             | 0  | 0  | 0  | 0  | 1  | 1  | 2  | 3  | 2    | 1    | **** | 35   | 5    |   |
| 7   | 9  | 6  | 6  | 4  | 2  | 3  | 0  | 1  | 0   | 0  | 3             | 8             | 1  | 0  | 2  | 7  | 5  | 6  | 4  | 3  | 1    | 3    | **** | 56   | 6    |   |
| 8   | 19 | 7  | 2  | 1  | 1  | 0  | 0  | 1  | 2   | 2  | 14            | 16            | 4  | 0  | 1  | 1  | 0  | 1  | 0  | 0  | 0    | 0    | **** | 33   | 5    |   |
| 9   | 5  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 0  | <-----M-----> |               |    |    |    | 21 | 30 | 25 | 20 | 17 | 16   | **** | 53   |      |      |   |
| 10  | 23 | 17 | 15 | 17 | 17 | 21 | 19 | 24 | 32  | 53 | 67            | 37            | 47 | 27 | 30 | 40 | 51 | 33 | 28 | 23 | 22   | 23   | **** | 57   | 31   |   |
| 11  | 21 | 15 | 13 | 10 | 8  | 5  | 5  | 4  | 3   | 3  | 2             | 2             | 1  | 1  | 0  | 0  | 0  | 0  | 0  | 0  | 0    | 0    | **** | 0    | 4    |   |
| 12  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 0  | 0             | 0             | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0    | 0    | **** | 16   | 1    |   |
| 13  | 0  | 0  | 0  | 0  | 2  | 0  | 0  | 14 | 105 | 46 | 4             | 5             | 3  | 2  | 0  | 6  | 1  | 2  | 0  | 0  | 0    | 0    | **** | 22   | 9    |   |
| 14  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 0  | 0             | 1             | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0    | 0    | **** | 15   | 1    |   |
| 15  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 0  | <-----D-----> |               |    |    |    | 0  | 0  | 0  | 0  | 0  | 0    | 0    | 0    | **** | 1    | 0 |
| 16  | 0  | 0  | 0  | 1  | 1  | 1  | 1  | 1  | 1   | 1  | 1             | 1             | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2    | 3    | **** | 4    | 1    |   |
| 17  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3   | 8  | 3             | 19            | 32 | 32 | 11 | 9  | 8  | 10 | 8  | 7  | 9    | 10   | **** | 10   | 9    |   |
| 18  | 15 | 10 | 20 | 21 | 16 | 20 | 23 | 34 | 61  | 68 | 68            | 64            | 74 | 77 | 28 | 15 | 3  | 6  | 7  | 4  | 8    | 12   | **** | 6    | 29   |   |
| 19  | 13 | 8  | 5  | 15 | 10 | 4  | 9  | 10 | 3   | 3  | 3             | 3             | 4  | 4  | 8  | 4  | 4  | 3  | 3  | 2  | 2    | 3    | **** | 3    | 5    |   |
| 20  | 2  | 2  | 1  | 4  | 7  | 5  | 7  | 8  | 6   | 4  | 3             | 3             | 5  | 3  | 3  | 3  | 2  | 3  | 3  | 3  | 1    | 3    | **** | 3    | 4    |   |
| 21  | 3  | 3  | 2  | 3  | 4  | 3  | 3  | 3  | 3   | 3  | 4             | 3             | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 3    | 3    | **** | 4    | 3    |   |
| 22  | 6  | 11 | 6  | 6  | 3  | 4  | 6  | 11 | 6   | 9  | 11            | 8             | 9  | 6  | 3  | 5  | 14 | 7  | 4  | 4  | 3    | 5    | **** | 6    | 7    |   |
| 23  | 4  | 5  | 9  | 10 | 10 | 11 | 10 | 4  | 4   | 7  | 16            | 26            | 5  | 3  | 4  | 6  | 10 | 10 | 10 | 9  | 12   | 12   | **** | 9    | 9    |   |
| 24  | 4  | 5  | 8  | 5  | 5  | 4  | 4  | 5  | 19  | 6  | 3             | 9             | 26 | 9  | 13 | 55 | 7  | 52 | 5  | 3  | 8    | 8    | **** | 13   | 12   |   |
| 25  | 4  | 7  | 9  | 7  | 4  | 4  | 5  | 10 | 3   | T  | 30            | 33            | 19 | 32 | 11 | 13 | 17 | 8  | 6  | 8  | 3    | 3    | **** | 10   | 11   |   |
| 26  | 6  | 10 | 3  | 4  | 3  | 3  | 6  | 6  | 4   | 2  | 4             | 8             | 6  | 3  | 4  | 6  | 6  | 6  | 6  | 11 | 12   | 6    | **** | 9    | 6    |   |
| 27  | 11 | 9  | 7  | 4  | 2  | 2  | 4  | 7  | 15  | 16 | 16            | 10            | 8  | 10 | 6  | 6  | 5  | 7  | 8  | 11 | 15   | 9    | **** | 9    | 8    |   |
| 28  | 7  | 6  | 11 | 14 | 8  | 5  | 5  | 3  | 4   | 6  | 4             | 6             | 9  | 4  | 5  | 5  | 3  | 4  | 4  | 6  | 3    | 1    | **** | 2    | 6    |   |
| 29  | 2  | 1  | 1  | 3  | 2  | 4  | 3  | 5  | 4   | 4  | 2             | 2             | 4  | 2  | 4  | 4  | 2  | 2  | 3  | 3  | 3    | 3    | **** | 5    | 3    |   |
| 30  | 3  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 1   | 1  | 1             | 1             | 1  | 1  | 1  | 0  | 0  | 0  | 0  | 0  | 0    | 0    | **** | 1    | 1    |   |
| 31  | 0  | 0  | 0  | 0  | 0  | 0  | 1  | 1  | 1   | 1  | 1             | 1             | 1  | 2  | 2  | 2  | 2  | 2  | 2  | 3  | 3    | 3    | **** | 6    | 1    |   |

MONTHLY STATISTICS:

| GEOM |        | ARITH | -----PERCENTILE----- |    |    |    |    | -----RANGE----- |   |       |   |   | STD GEOM  | PERCENT    | NO. OF TIMES |       |   |
|------|--------|-------|----------------------|----|----|----|----|-----------------|---|-------|---|---|-----------|------------|--------------|-------|---|
| MEAN | MEDIAN | MEAN  | 50                   | 90 | 95 | 98 | 99 | 1-HR            |   | 24-HR |   |   | DEVIATION | VALID DATA | 1-HR         | 24-HR |   |
| 5    | 4      | 8     | 4                    | 19 | 30 | 52 | 63 | 0               | - | 105   | 0 | - | 31        | 4          | 93           | 0     | 0 |

NOTES:

1. FLAGS FOR INVALID DATA :
  - \*\*\*\* : DAILY ZERO/SPAN CHECK
  - D : DYNAMIC CALIBRATION
  - T : TELEMETRY/DATALOGGR/ANALYZER FAULT
  - M : MAINTENANCE OR MACHINE SHUTDOWN
  - P : POWER FAILURE
2. BRACKETED READINGS EXCEED 1-HR OBJECTIVE 800 OR 24-HR OBJECTIVE 350

THE HONGKONG ELECTRIC COMPANY, LTD.  
AIR QUALITY DATA MONTHLY TIME SERIES REPORT

STATION : VICTORIA ROAD SUBSTATION  
POLLUTANT : NITROGEN DIOXIDE

MONTH: JULY

YEAR : 2009  
UNIT : MICROGRAMS/CUBIC METER

| DAY | 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23   | 24 | MEAN |
|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|------|----|------|
| 1   | 11 | 14 | 7  | 8  | 9  | 9  | 13 | 9  | 11 | 15 | 11 | 4  | 4  | 4  | 6  | 13 | 6  | 11 | 13 | 17 | 11 | 9  | **** | 9  | 10   |
| 2   | 8  | 12 | 5  | 3  | 4  | 10 | 7  | 9  | 13 | 12 | 9  | 8  | 8  | 7  | 8  | 12 | 13 | 13 | 17 | 15 | 15 | 14 | **** | 16 | 10   |
| 3   | 11 | 7  | 9  | 6  | 14 | 19 | 14 | 15 | 18 | 13 | 11 | M  | 12 | 16 | 10 | 12 | 17 | 24 | 22 | 25 | 27 | 23 | **** | 14 | 15   |
| 4   | 11 | 6  | 5  | 5  | 17 | 10 | 17 | 24 | 18 | 30 | 29 | 30 | 31 | 23 | 18 | 17 | 15 | 22 | 21 | 21 | 25 | 30 | **** | 23 | 20   |
| 5   | 16 | 15 | 32 | 15 | 9  | 10 | 15 | 14 | 11 | 18 | 15 | 24 | 37 | 20 | 18 | 18 | 16 | 23 | 25 | 32 | 17 | 19 | **** | 43 | 20   |
| 6   | 28 | 7  | 18 | 20 | 11 | 13 | 20 | 23 | 24 | 19 | 16 | 10 | 9  | 8  | 7  | 8  | 13 | 23 | 38 | 42 | 36 | 22 | **** | 25 | 19   |
| 7   | 23 | 17 | 18 | 14 | 14 | 18 | 20 | 26 | 24 | 17 | 17 | 18 | 9  | 7  | 12 | 15 | 14 | 12 | 16 | 20 | 26 | 30 | **** | 34 | 18   |
| 8   | 25 | 16 | 6  | 6  | 12 | 22 | 25 | 22 | 12 | 8  | 18 | 20 | 10 | 5  | 11 | 11 | 9  | 18 | 14 | 14 | 25 | 23 | **** | 26 | 16   |
| 9   | 17 | 16 | 9  | 11 | 9  | 12 | 18 | 20 | 21 | 18 | 19 | 17 | 15 | 18 | 21 | 19 | 25 | 19 | 23 | 22 | 22 | 27 | **** | 19 | 18   |
| 10  | 17 | 14 | 14 | 16 | 16 | 24 | 22 | 25 | 25 | 31 | 35 | 55 | 74 | 48 | 52 | 53 | 49 | 73 | 86 | 39 | 40 | 37 | **** | 17 | 37   |
| 11  | 7  | 4  | 3  | 2  | 2  | 4  | 8  | 13 | 12 | 13 | 13 | 12 | 11 | 11 | 9  | 8  | 6  | 9  | 8  | 10 | 9  | 6  | **** | 5  | 8    |
| 12  | 3  | 2  | 2  | 3  | 2  | 4  | 10 | 12 | 14 | 16 | 14 | 13 | 13 | 9  | 10 | 8  | 9  | 11 | 19 | 21 | 18 | 15 | **** | 15 | 11   |
| 13  | 11 | 2  | 1  | 6  | 30 | 21 | 26 | 30 | 40 | 32 | 22 | 22 | 20 | 19 | 19 | 22 | 16 | 24 | 18 | 17 | 23 | 24 | **** | 24 | 20   |
| 14  | 18 | 15 | 9  | 8  | 7  | 7  | 22 | 23 | 24 | 22 | 13 | 16 | 9  | 12 | 15 | 8  | 14 | 13 | 21 | 24 | 24 | 21 | **** | 14 | 16   |
| 15  | 6  | 3  | 3  | 1  | 3  | 9  | 13 | 13 | 15 | 11 | 12 | 9  | 7  | 8  | 8  | 8  | 10 | 11 | 8  | 7  | 8  | 8  | **** | 13 | 8    |
| 16  | 5  | 2  | 1  | 0  | 1  | 5  | 11 | 13 | 15 | 16 | 17 | 10 | 12 | 11 | 11 | 12 | 10 | 7  | 8  | 11 | 11 | 8  | **** | 10 | 9    |
| 17  | 6  | 2  | 1  | 1  | 3  | 7  | 12 | 12 | 11 | 14 | 6  | 15 | 25 | 19 | 10 | 10 | 12 | 15 | 19 | 22 | 28 | 21 | **** | 24 | 13   |
| 18  | 31 | 24 | 46 | 35 | 27 | 31 | 36 | 51 | 63 | 67 | 73 | 80 | 85 | 94 | 58 | 60 | 27 | 49 | 58 | 41 | 34 | 36 | **** | 21 | 49   |
| 19  | 30 | 15 | 8  | 21 | 12 | 2  | 12 | 12 | 4  | 6  | 12 | 21 | 19 | 21 | 24 | 20 | 21 | 22 | 11 | 9  | 8  | 8  | **** | 8  | 14   |
| 20  | 3  | 3  | 3  | 13 | 23 | 21 | 27 | 30 | 28 | 22 | 16 | 12 | 16 | 13 | 13 | 15 | 16 | 17 | 21 | 21 | 18 | 17 | **** | 20 | 17   |
| 21  | 17 | 8  | 4  | 5  | 11 | 6  | 14 | 22 | 25 | 15 | 11 | 8  | 9  | 6  | 6  | 10 | 15 | 20 | 23 | 19 | 19 | 15 | **** | 23 | 14   |
| 22  | 26 | 25 | 13 | 15 | 8  | 12 | 19 | 22 | 14 | 15 | 16 | 10 | 11 | 9  | 16 | 11 | 20 | 16 | 29 | 28 | 21 | 25 | **** | 23 | 17   |
| 23  | 19 | 16 | 20 | 18 | 16 | 21 | 28 | 25 | 32 | 25 | 17 | 21 | 11 | 7  | 9  | 14 | 19 | 21 | 21 | 27 | 29 | 27 | **** | 19 | 20   |
| 24  | 12 | 12 | 15 | 8  | 9  | 11 | 16 | 20 | 25 | 13 | 12 | 15 | 20 | 13 | 15 | 23 | 15 | 28 | 16 | 19 | 18 | 17 | **** | 30 | 17   |
| 25  | 16 | 18 | 22 | 14 | 9  | 11 | 12 | 18 | 12 | T  | 25 | 24 | 18 | 22 | 15 | 15 | 16 | 21 | 21 | 25 | 25 | 23 | **** | 25 | 19   |
| 26  | 21 | 19 | 16 | 17 | 13 | 14 | 25 | 22 | 16 | 9  | 13 | 15 | 15 | 6  | 13 | 23 | 19 | 29 | 32 | 40 | 34 | 26 | **** | 22 | 20   |
| 27  | 25 | 14 | 7  | 4  | 2  | 4  | 20 | 30 | 44 | 33 | 23 | 14 | 17 | 17 | 13 | 11 | 14 | 23 | 30 | 38 | 40 | 31 | **** | 29 | 21   |
| 28  | 20 | 14 | 18 | 22 | 12 | 18 | 19 | 19 | 22 | 17 | 15 | 19 | 19 | 13 | 13 | 12 | 12 | 11 | 22 | 31 | 29 | 20 | **** | 26 | 18   |
| 29  | 16 | 9  | 4  | 6  | 4  | 12 | 19 | 27 | 26 | 22 | 18 | 13 | 16 | 12 | 13 | 15 | 18 | 17 | 21 | 21 | 14 | 15 | **** | 15 | 15   |
| 30  | 5  | 1  | 0  | 1  | 0  | 1  | 10 | 13 | 14 | 16 | 16 | 12 | 11 | 8  | 11 | 7  | 13 | 11 | 14 | 10 | 12 | 6  | **** | 8  | 9    |
| 31  | 2  | 2  | 0  | 0  | 0  | 0  | 6  | 12 | 21 | 21 | 15 | 15 | 11 | 11 | 11 | 9  | 5  | 6  | 6  | 7  | 7  | 4  | **** | 17 | 8    |

MONTHLY STATISTICS:

| GEOM |        | ARITH | -----PERCENTILE----- |    |    |    |    | -----RANGE----- |   |       |   | STD GEOM  | PERCENT    | NO. OF TIMES |       |   |   |
|------|--------|-------|----------------------|----|----|----|----|-----------------|---|-------|---|-----------|------------|--------------|-------|---|---|
| MEAN | MEDIAN | MEAN  | 50                   | 90 | 95 | 98 | 99 | 1-HR            |   | 24-HR |   | DEVIATION | VALID DATA | 1-HR         | 24-HR |   |   |
| 13   | 15     | 17    | 15                   | 28 | 36 | 52 | 65 | 0               | - | 94    | 8 | -         | 49         | 2            | 96    | 0 | 0 |

NOTES:

1. FLAGS FOR INVALID DATA :
  - \*\*\*\* : DAILY ZERO/SPAN CHECK
  - D : DYNAMIC CALIBRATION
  - T : TELEMETRY/DATALOGGR/ANALYZER FAULT
  - M : MAINTENANCE OR MACHINE SHUTDOWN
  - P : POWER FAILURE
2. BRACKETED READINGS EXCEED 1-HR OBJECTIVE 300 OR 24-HR OBJECTIVE 150





THE HONGKONG ELECTRIC COMPANY, LTD.  
AIR QUALITY DATA MONTHLY TIME SERIES REPORT

STATION : VICTORIA ROAD SUBSTATION  
POLLUTANT : SULPHUR DIOXIDE

MONTH: SEPTEMBER

YEAR : 2009  
UNIT : MICROGRAMS/CUBIC METER

| DAY | 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12  | 13  | 14  | 15  | 16  | 17  | 18 | 19 | 20 | 21 | 22 | 23   | 24   | MEAN |   |
|-----|----|----|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|------|------|------|---|
| 1   | 5  | 3  | 2  | 3  | 3  | 5  | 3  | 5  | 8  | 5  | 6  | 5   | 3   | 2   | 0   | 1   | 2   | 2  | 2  | 3  | 2  | 2  | **** | 4    | 3    |   |
| 2   | 3  | 3  | 3  | 2  | 0  | 0  | 3  | 4  | 5  | 3  | 3  | 3   | 3   | 3   | 3   | 3   | 3   | 3  | 3  | 3  | 3  | 3  | **** | 4    | 3    |   |
| 3   | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 5  | 8  | 6  | 3  | 3   | 3   | 1   | 2   | 3   | 3   | 3  | 2  | 2  | 1  | 3  | **** | 4    | 3    |   |
| 4   | 3  | 3  | 3  | 1  | 1  | 3  | 3  | 3  | 3  | 9  | 27 | 30  | 18  | 22  | 21  | 28  | 22  | 5  | 6  | 6  | 5  | 7  | **** | 4    | 10   |   |
| 5   | 3  | 3  | 3  | 2  | 1  | 3  | 3  | 2  | 3  | 3  | 3  | 3   | 3   | 4   | 5   | 4   | 8   | 10 | 6  | 4  | 4  | 6  | **** | 6    | 4    |   |
| 6   | 4  | 3  | 3  | 3  | 4  | 3  | 3  | 3  | 3  | 3  | 3  | 2   | 0   | 1   | 3   | 3   | 3   | 3  | 4  | 5  | 3  | 3  | **** | 3    | 3    |   |
| 7   | 3  | 3  | 4  | 2  | 1  | 3  | 3  | 3  | 3  | 3  | 1  | 2   | 2   | 3   | 3   | 3   | 3   | 2  | 6  | 5  | 6  | 6  | **** | 4    | 3    |   |
| 8   | 2  | 3  | 3  | 4  | 5  | 7  | 8  | 5  | 4  | 3  | 3  | 3   | 3   | 3   | 3   | 3   | 3   | 3  | 8  | 5  | 5  | 3  | **** | 6    | 4    |   |
| 9   | 3  | 3  | 3  | 3  | 3  | 2  | 2  | 2  | 3  | 1  | 0  | 0   | 0   | 0   | 1   | 3   | 3   | 3  | 3  | 3  | 5  | 3  | **** | 3    | 2    |   |
| 10  | 3  | 3  | 2  | 3  | 2  | 3  | 3  | 3  | 3  | 3  | 3  | 3   | 3   | 3   | 3   | 0   | 0   | 0  | 0  | 0  | 0  | 0  | **** | 2    | 2    |   |
| 11  | 0  | 1  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 0   | 1   | 0   | 0   | 0   | 0  | 0  | 1  | 0  | 1  | **** | 1    | 0    |   |
| 12  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 0   | 1   | 0   | 0   | 0   | 0  | 0  | 0  | 1  | 0  | **** | 9    | 1    |   |
| 13  | 10 | 2  | 3  | 6  | 14 | 24 | 21 | 29 | 33 | 52 | 54 | 65  | 77  | 81  | 107 | 127 | 124 | 80 | 41 | 10 | 12 | 9  | **** | 4    | 43   |   |
| 14  | 3  | 3  | 17 | 15 | 25 | 6  | 5  | 3  | 7  | 6  | 5  | 5   | 3   | 3   | 2   | 1   | 0   | 0  | 0  | 0  | 0  | 0  | **** | 1    | 5    |   |
| 15  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 1   | 1   | 0   | 3   | 5   | 2  | 2  | 4  | 4  | 5  | **** | 2    | 1    |   |
| 16  | 0  | 2  | 0  | 0  | 2  | 2  | 1  | 2  | 2  | 3  | 0  | 3   | 2   | 1   | 3   | 7   | 5   | 5  | 5  | 4  | 3  | 7  | **** | 4    | 3    |   |
| 17  | 3  | 1  | 0  | 2  | 1  | 5  | 3  | 3  | 5  | 8  | 9  | 20  | 18  | 23  | 17  | 12  | 9   | 6  | 4  | 6  | 18 | 12 | **** | 10   | 8    |   |
| 18  | 5  | 6  | 13 | 14 | 14 | 13 | 11 | 13 | 25 | 36 | 64 | 119 | 135 | 235 | 227 | 34  | 10  | 8  | 7  | 9  | 11 | 9  | **** | 12   | 45   |   |
| 19  | 10 | 6  | 5  | 4  | 4  | 7  | 5  | 15 | 34 | 43 | 44 | 75  | 71  | 19  | 12  | 13  | 10  | 8  | 7  | 5  | 13 | 6  | **** | 10   | 19   |   |
| 20  | 9  | 9  | 16 | 26 | 8  | 13 | 26 | 20 | 36 | 20 | 10 | 15  | 11  | 16  | 18  | 16  | 12  | 3  | 3  | 4  | 3  | 3  | **** | 4    | 13   |   |
| 21  | 5  | 2  | 2  | 1  | 1  | 3  | 3  | 1  | 3  | 25 | 34 | 30  | 35  | 22  | 33  | 25  | 19  | 15 | 16 | 18 | 15 | 34 | **** | 45   | 17   |   |
| 22  | 37 | 11 | 7  | 5  | 3  | 3  | 3  | 3  | 5  | 6  | 5  | 8   | 6   | 10  | 7   | 19  | 14  | 9  | 5  | 7  | 5  | 3  | **** | 8    | 8    |   |
| 23  | 4  | 3  | 3  | 3  | 3  | 3  | 4  | 9  | 9  | 6  | 5  | 4   | 3   | 2   | 1   | 1   | 3   | 3  | 3  | 3  | 3  | 3  | **** | 3    | 3    |   |
| 24  | 0  | 1  | 2  | 0  | 2  | 3  | 3  | 4  | 5  | 5  | 6  | 4   | 3   | 3   | 4   | 4   | 3   | 0  | 2  | 3  | 1  | 3  | **** | 4    | 3    |   |
| 25  | 1  | 1  | 2  | 1  | 1  | 1  | 3  | 3  | 3  | 3  | 3  | 3   | 3   | 3   | 3   | 2   | 5   | 3  | 3  | 3  | 3  | 2  | **** | 3    | 2    |   |
| 26  | 3  | 3  | 3  | 3  | 5  | 5  | 6  | 5  | 13 | 20 | 16 | 12  | 7   | 6   | 5   | 4   | 7   | 8  | 6  | 3  | 3  | 3  | **** | 5    | 6    |   |
| 27  | 3  | 3  | 3  | 3  | 7  | 9  | 8  | 7  | 9  | 7  | 7  | 9   | 8   | 7   | 7   | 7   | 7   | 8  | 7  | 8  | 7  | 3  | **** | 10   | 7    |   |
| 28  | 8  | 8  | 8  | 9  | 7  | 8  | 8  | 8  | 7  | 6  | 5  | 4   | 4   | 4   | 4   | 3   | 2   | 1  | 0  | 1  | 3  | 3  | **** | 2    | 5    |   |
| 29  | 0  | 0  | 0  | 0  | 1  | 1  | 0  | 1  | 0  | 1  | 0  | 0   | 0   | 0   | 0   | 0   | 0   | 0  | 0  | 0  | 0  | 2  | **** | 4    | 0    |   |
| 30  | 3  | 0  | 0  | 0  | 0  | 0  | 0  | 1  | 3  | 3  | 3  | 2   | 0   | 0   | 0   | 0   | 1   | 0  | 0  | 0  | 0  | 3  | 0    | **** | 3    | 1 |

MONTHLY STATISTICS:

| GEOM | ARITH  | <-----PERCENTILE-----> |    |    |    |    | <-----RANGE-----> |      |       |       | STD GEOM  | PERCENT    | NO. OF TIMES ABOVE OBJECTIVE |       |
|------|--------|------------------------|----|----|----|----|-------------------|------|-------|-------|-----------|------------|------------------------------|-------|
| MEAN | MEDIAN | MEAN                   | 50 | 90 | 95 | 98 | 99                | 1-HR | 24-HR | 24-HR | DEVIATION | VALID DATA | 1-HR                         | 24-HR |
| 4    | 3      | 8                      | 3  | 15 | 27 | 59 | 94                | 0    | -     | 235   | 3         | 96         | 0                            | 0     |

- NOTES: 1. FLAGS FOR INVALID DATA :  
 \*\*\*\* : DAILY ZERO/SPAN CHECK  
 D : DYNAMIC CALIBRATION  
 T : TELEMETRY/DATALOGGR/ANALYZER FAULT  
 M : MAINTENANCE OR MACHINE SHUTDOWN  
 P : POWER FAILURE
2. BRACKETED READINGS EXCEED 1-HR OBJECTIVE 800 OR 24-HR OBJECTIVE 350





THE HONGKONG ELECTRIC COMPANY, LTD.  
AIR QUALITY DATA MONTHLY TIME SERIES REPORT

STATION : QUEEN MARY HOSPITAL  
POLLUTANT : NITROGEN DIOXIDE

MONTH: JULY

YEAR : 2009  
UNIT : MICROGRAMS/CUBIC METER

| DAY | 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17        | 18 | 19 | 20 | 21 | 22   | 23   | 24 | MEAN |
|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----------|----|----|----|----|------|------|----|------|
| 1   | 8  | 9  | 6  | 10 | 7  | 9  | 7  | 15 | 11 | 7  | 7  | 8  | 7  | 7  | 10 | 11 | 14        | 15 | 14 | 16 | 17 | 11   | **** | 9  | 10   |
| 2   | 13 | 10 | 4  | 4  | 6  | 11 | 9  | 12 | 14 | 14 | 15 | 11 | 11 | 13 | 13 | 14 | 12        | 14 | 12 | 14 | 18 | 13   | **** | 12 | 12   |
| 3   | 7  | 19 | 19 | 23 | 18 | 11 | 9  | 16 | 15 | 10 | 11 | 13 | 13 | 19 | 12 | 12 | 13        | 17 | 29 | 22 | 23 | 21   | **** | 11 | 16   |
| 4   | 9  | 6  | 4  | 4  | 11 | 7  | 9  | 14 | 13 | 14 | 17 | 9  | 14 | 16 | 13 | 12 | 13        | 21 | 18 | 17 | 17 | 12   | **** | 14 | 12   |
| 5   | 11 | 6  | 29 | 6  | 2  | 4  | 3  | 4  | 2  | 5  | 8  | 5  | 11 | 3  | 2  | 4  | 2         | 9  | 1  | 6  | 2  | 4    | **** | 32 | 7    |
| 6   | 21 | 4  | 4  | 5  | 5  | 3  | 1  | 2  | 5  | 11 | 8  | 9  | 8  | 7  | 8  | 9  | 12        | 10 | 19 | 27 | 21 | 14   | **** | 13 | 10   |
| 7   | 20 | 12 | 11 | 16 | 10 | 11 | 12 | 16 | 20 | 17 | 15 | 19 | 14 | 11 | 10 | 21 | 19        | 22 | 27 | 20 | 16 | 18   | **** | 21 | 16   |
| 8   | 16 | 12 | 7  | 4  | 8  | 13 | 15 | 14 | 10 | 13 | 16 | 24 | 11 | 11 | 13 | 12 | 20        | 24 | 23 | 21 | 16 | 11   | **** | 15 | 14   |
| 9   | 16 | 14 | 6  | 6  | 6  | 8  | 12 | 17 | 13 | 14 | 17 | 23 | 20 | 28 | 23 | 20 | 20        | 22 | 19 | 19 | 19 | 21   | **** | 11 | 16   |
| 10  | 10 | 13 | 11 | 12 | 10 | 20 | 20 | 23 | 28 | 35 | 41 | 50 | 61 | 59 | 53 | 57 | 64        | 65 | 46 | 61 | 28 | 24   | **** | 16 | 35   |
| 11  | 11 | 8  | 9  | 5  | 7  | 7  | 9  | 12 | 15 | 16 | 16 | 15 | 15 | 15 | 11 | 12 | 6         | 4  | 4  | 4  | 3  | 5    | **** | 4  | 9    |
| 12  | 3  | 2  | 2  | 4  | 2  | 3  | 4  | 4  | 5  | 6  | 5  | 5  | 5  | 5  | 7  | 4  | 4         | 6  | 7  | 7  | 11 | 9    | **** | 8  | 5    |
| 13  | 6  | 2  | 2  | 5  | 16 | 8  | 23 | 25 | 36 | 33 | 26 | 24 | 27 | 32 | 21 | 24 | 23        | 36 | 40 | 20 | 15 | 13   | **** | 14 | 20   |
| 14  | 15 | 15 | 10 | 12 | 20 | 12 | 16 | 12 | 17 | 21 | 19 | 17 | 13 | 20 | 27 | 22 | 28        | 17 | 26 | 13 | 15 | T    | **** | 7  | 17   |
| 15  | 7  | 4  | 4  | 3  | 6  | 9  | 10 | 6  | 6  | 6  | 9  | 8  | 6  | 6  | 7  | 6  | 6         | 8  | 7  | 7  | 6  | 3    | **** | 4  | 6    |
| 16  | 2  | 2  | 3  | 3  | 3  | 3  | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 4  | 5  | 5  | 3         | 3  | 5  | 4  | 3  | 3    | **** | 4  | 4    |
| 17  | 3  | 4  | 2  | 2  | 4  | 5  | 6  | 8  | 12 | 23 | 15 | 17 | 20 | 15 | 13 | 13 | 15        | 23 | 24 | 19 | 17 | 15   | **** | 24 | 13   |
| 18  | 28 | 36 | 47 | 27 | 24 | 33 | 34 | 53 | 71 | 79 | 81 | 74 | 81 | 83 | 69 | 50 | 21        | 45 | 52 | 35 | 35 | 33   | **** | 21 | 48   |
| 19  | 28 | 17 | 11 | 7  | 16 | 28 | 28 | 11 | 5  | 8  | 6  | 8  | 8  | 6  | 10 | 6  | 6         | 5  | 4  | 3  | 6  | 3    | **** | 3  | 10   |
| 20  | 3  | 3  | 3  | 7  | 17 | 12 | 10 | 12 | 8  | 6  | 5  | 5  | 7  | 6  | 8  | 8  | 8         | 6  | 7  | 6  | 4  | 5    | **** | 5  | 7    |
| 21  | 5  | 3  | 4  | 4  | 7  | 4  | 4  | 5  | 7  | 11 | 20 | 13 | 11 | 10 | 12 | 12 | 12        | 12 | 11 | 9  | 7  | 5    | **** | 8  | 9    |
| 22  | 15 | 17 | 9  | 14 | 7  | 7  | 9  | 9  | 15 | T  | 16 | 12 | 15 | 10 | 7  | 11 | <-- T --> | 11 | 15 | 12 | 16 | **** | 12   | 12 |      |
| 23  | 13 | 12 | 16 | 14 | 13 | 13 | 17 | 15 | 16 | 15 | T  | 20 | 13 | 18 | 14 | 12 | 18        | 20 | 20 | 20 | 19 | 19   | **** | 14 | 16   |
| 24  | 8  | 7  | 10 | 6  | 14 | 11 | 15 | 18 | 19 | 12 | 11 | 12 | 15 | 13 | 12 | 11 | 22        | 18 | 18 | 15 | 14 | 12   | **** | 15 | 13   |
| 25  | 13 | 9  | 13 | 9  | 8  | 14 | 8  | 13 | 12 | 13 | T  | 10 | 11 | 16 | 13 | 10 | 13        | 17 | 17 | 17 | 17 | 16   | **** | 21 | 13   |
| 26  | 12 | 17 | 12 | 14 | 8  | 8  | 14 | 12 | 10 | 11 | 13 | 17 | 12 | 10 | 19 | 21 | 12        | 16 | 18 | 28 | 21 | 17   | **** | 17 | 15   |
| 27  | 18 | 11 | 7  | 10 | 7  | 6  | 15 | 11 | 14 | 31 | 27 | 16 | 16 | 19 | 15 | 16 | 16        | 17 | 18 | 20 | 26 | 13   | **** | 14 | 16   |
| 28  | 14 | 11 | 14 | 17 | 10 | 10 | 10 | 10 | 17 | 19 | 12 | 15 | 12 | 9  | 15 | 13 | 15        | 18 | 21 | 14 | 10 | 7    | **** | 7  | 13   |
| 29  | 8  | 7  | 5  | 6  | 5  | 8  | 12 | 11 | 6  | 9  | 8  | 5  | 5  | 7  | 6  | 5  | 5         | 8  | 10 | 6  | 6  | 7    | **** | 6  | 7    |
| 30  | 4  | 3  | 2  | 3  | 3  | 4  | 5  | 6  | 5  | 5  | 5  | 5  | 4  | 4  | 4  | 4  | 5         | 5  | 6  | 5  | 5  | 2    | **** | 4  | 4    |
| 31  | 2  | 5  | 4  | 2  | 1  | 1  | 2  | 6  | 6  | 5  | 5  | 5  | 3  | 2  | 2  | 4  | 7         | 8  | 11 | 13 | 6  | 6    | **** | 7  | 5    |

MONTHLY STATISTICS:

| GEOM |        | ARITH | <-----PERCENTILE-----> |    |    |    |    | <-----RANGE-----> |   |       | STD GEOM | PERCENT   | NO. OF TIMES |      |       |   |   |
|------|--------|-------|------------------------|----|----|----|----|-------------------|---|-------|----------|-----------|--------------|------|-------|---|---|
| MEAN | MEDIAN | MEAN  | 50                     | 90 | 95 | 98 | 99 | 1-HR              |   | 24-HR |          | DEVIATION | VALID DATA   | 1-HR | 24-HR |   |   |
| 10   | 11     | 13    | 11                     | 23 | 30 | 53 | 65 | 1                 | - | 83    | 4        | -         | 48           | 2    | 95    | 0 | 0 |

NOTES:

1. FLAGS FOR INVALID DATA :
  - \*\*\*\* : DAILY ZERO/SPAN CHECK
  - D : DYNAMIC CALIBRATION
  - T : TELEMETRY/DATALOGGR/ANALYZER FAULT
  - M : MAINTENANCE OR MACHINE SHUTDOWN
  - P : POWER FAILURE
2. BRACKETED READINGS EXCEED 1-HR OBJECTIVE 300 OR 24-HR OBJECTIVE 150



THE HONGKONG ELECTRIC COMPANY, LTD.  
AIR QUALITY DATA MONTHLY TIME SERIES REPORT

STATION : QUEEN MARY HOSPITAL  
POLLUTANT : NITROGEN DIOXIDE

MONTH: AUGUST

YEAR : 2009  
UNIT : MICROGRAMS/CUBIC METER

| DAY | 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19  | 20 | 21 | 22 | 23   | 24 | MEAN |
|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|----|----|----|------|----|------|
| 1   | 8  | 6  | 3  | 3  | 5  | 8  | 17 | 19 | T  | 33 | 32 | 29 | 26 | 28 | 38 | 50 | 59 | 68 | 100 | 61 | 45 | 16 | **** | 9  | 30   |
| 2   | 8  | 23 | 59 | 46 | 44 | 43 | 52 | 58 | 52 | 39 | 35 | 57 | 51 | 47 | 47 | 35 | 43 | 53 | 41  | 56 | 44 | 35 | **** | 40 | 44   |
| 3   | 32 | 1  | 0  | 0  | 0  | 0  | 3  | 8  | 11 | 12 | 12 | 9  | 10 | 7  | 4  | 5  | 7  | 13 | 19  | 14 | 8  | 7  | **** | 10 | 8    |
| 4   | 5  | 1  | 0  | 0  | 0  | 0  | 2  | 6  | 12 | 12 | 12 | 13 | 7  | 7  | 4  | 2  | 1  | 0  | 2   | 0  | 1  | 1  | **** | 3  | 4    |
| 5   | 1  | 0  | 1  | 0  | 0  | 0  | 2  | 3  | 3  | 7  | 8  | 7  | 5  | 1  | 3  | 7  | 7  | 7  | 7   | 1  | 3  | 4  | **** | 12 | 4    |
| 6   | 8  | 7  | 10 | 10 | 6  | 20 | 6  | 9  | 7  | 4  | 3  | 4  | 6  | 10 | 13 | 24 | 17 | 24 | 42  | 26 | 10 | 12 | **** | 21 | 13   |
| 7   | 21 | 8  | 24 | 22 | 34 | 3  | 19 | 7  | 26 | 44 | 39 | 41 | 50 | 32 | 16 | 16 | 13 | 9  | 21  | 12 | 12 | 13 | **** | 20 | 22   |
| 8   | 12 | 8  | 8  | 9  | 6  | 10 | 20 | 22 | 27 | 46 | 66 | 64 | 45 | 37 | 28 | 45 | 36 | 72 | 35  | 26 | 10 | 11 | **** | 22 | 29   |
| 9   | 18 | 19 | 28 | 18 | 25 | 27 | 30 | 31 | 31 | 33 | 41 | 50 | 46 | 29 | 6  | 11 | 7  | 9  | 10  | 7  | 12 | 7  | **** | 13 | 22   |
| 10  | 4  | 3  | 0  | 1  | 0  | 0  | 10 | 15 | 16 | 23 | 21 | 25 | 39 | 44 | 47 | 19 | 7  | 27 | 6   | 39 | 20 | 42 | **** | 32 | 19   |
| 11  | 21 | 15 | 13 | 19 | 15 | 4  | 9  | 4  | 27 | 47 | 49 | 40 | 51 | 61 | 60 | 39 | 26 | 24 | 29  | 23 | 1  | 4  | **** | 5  | 26   |
| 12  | 10 | 13 | 10 | 1  | 0  | 8  | 12 | 5  | 19 | 11 | 13 | 13 | 4  | 15 | 29 | 44 | 20 | 11 | 10  | 7  | 10 | 5  | **** | 10 | 12   |
| 13  | 4  | 9  | 17 | 11 | 5  | 10 | 10 | 14 | 26 | 13 | 22 | 21 | 21 | 17 | 12 | 11 | 13 | 12 | 34  | 18 | 31 | 9  | **** | 3  | 15   |
| 14  | 0  | 0  | 2  | 10 | 11 | 2  | 16 | 9  | 13 | 37 | 9  | 10 | 14 | 20 | 15 | 4  | 10 | 19 | 20  | 18 | 10 | 19 | **** | 19 | 12   |
| 15  | 17 | 11 | 6  | 8  | 6  | 11 | 11 | 8  | 7  | 19 | 8  | 12 | 23 | 16 | 9  | 9  | 10 | 13 | 19  | 22 | 13 | 18 | **** | 12 | 13   |
| 16  | 9  | 8  | 3  | 5  | 2  | 13 | 16 | 9  | 3  | 4  | 4  | 3  | 4  | 17 | 9  | 4  | 9  | 12 | 12  | 26 | 23 | 10 | **** | 24 | 10   |
| 17  | 28 | 14 | 4  | 4  | 6  | 6  | 13 | 17 | 14 | 12 | 5  | 8  | 5  | 13 | 14 | 8  | 19 | 28 | 16  | 30 | 30 | 9  | **** | 10 | 14   |
| 18  | 4  | 3  | 1  | 2  | 6  | 15 | 15 | 32 | 39 | 40 | 35 | 35 | 23 | 9  | 8  | 11 | 15 | 9  | 6   | 4  | 4  | 0  | **** | 3  | 14   |
| 19  | 2  | 3  | 7  | 5  | 2  | 2  | 12 | 15 | 19 | 21 | 22 | 18 | 19 | 12 | 13 | 8  | 12 | 8  | 8   | 13 | 15 | 18 | **** | 11 | 11   |
| 20  | 10 | 10 | 9  | 12 | 4  | 1  | 2  | 5  | 13 | 15 | 17 | 14 | 12 | 15 | 8  | 6  | 9  | 13 | 18  | 8  | 8  | 5  | **** | 8  | 10   |
| 21  | 10 | 4  | 7  | 12 | 3  | 2  | 2  | 4  | 5  | 9  | 13 | 16 | 15 | 19 | 14 | 14 | 22 | 23 | 15  | 10 | 6  | 7  | **** | 9  | 11   |
| 22  | 5  | 5  | 9  | 3  | 3  | 0  | 2  | 1  | 8  | 10 | 16 | 13 | 14 | 15 | 8  | 10 | 10 | 7  | 11  | 17 | 7  | 7  | **** | 14 | 8    |
| 23  | 7  | 5  | 4  | 5  | 0  | 3  | 8  | 11 | 16 | 22 | 19 | 36 | 35 | 35 | 27 | 15 | 18 | 9  | 8   | 11 | 43 | 48 | **** | 33 | 18   |
| 24  | 27 | 13 | 32 | 10 | 40 | 19 | 41 | 62 | 75 | 88 | 68 | 74 | 46 | 37 | 19 | 6  | 10 | 15 | 15  | 9  | 2  | 8  | **** | 12 | 32   |
| 25  | 11 | 8  | 4  | 2  | 2  | 1  | 5  | 10 | 11 | 8  | 5  | 4  | 7  | 5  | 3  | 2  | 2  | 4  | 3   | 5  | 1  | 2  | **** | 7  | 5    |
| 26  | 1  | 2  | 0  | 0  | 0  | 0  | 0  | 1  | 8  | 14 | 18 | 9  | 3  | 5  | 4  | 6  | 5  | 9  | 10  | 11 | 7  | 3  | **** | 3  | 5    |
| 27  | 1  | 3  | 1  | 0  | 1  | 6  | 4  | 11 | 33 | 32 | 21 | 4  | 9  | 6  | 7  | 13 | 16 | 18 | 15  | 12 | 12 | 7  | **** | 12 | 11   |
| 28  | 11 | 5  | 4  | 7  | 12 | 17 | 7  | 7  | 9  | 16 | 19 | 19 | 20 | 21 | 26 | M  | 27 | 33 | 29  | 24 | 25 | 18 | **** | 23 | 17   |
| 29  | 14 | 12 | 8  | 19 | 14 | 12 | 12 | 30 | 36 | 34 | 34 | 31 | 38 | 27 | 16 | 28 | 54 | 26 | 13  | 9  | 8  | 25 | **** | 14 | 22   |
| 30  | 9  | 11 | 14 | 24 | 54 | 10 | 47 | 40 | 30 | 24 | 41 | 65 | 39 | 26 | 14 | 13 | 16 | 23 | 25  | 23 | 34 | 75 | **** | 61 | 31   |
| 31  | 88 | 83 | 77 | 78 | 70 | 71 | 58 | 59 | 65 | 51 | 23 | 16 | 31 | 33 | 26 | 13 | 12 | 9  | 3   | 11 | 22 | 16 | **** | 21 | 41   |

MONTHLY STATISTICS:

| GEOM |        | ARITH | <-----PERCENTILE-----> |    |    |    |    | <-----RANGE-----> |   |       | STD GEOM | PERCENT   | NO. OF TIMES |      |       |   |   |
|------|--------|-------|------------------------|----|----|----|----|-------------------|---|-------|----------|-----------|--------------|------|-------|---|---|
| MEAN | MEDIAN | MEAN  | 50                     | 90 | 95 | 98 | 99 | 1-HR              |   | 24-HR |          | DEVIATION | VALID DATA   | 1-HR | 24-HR |   |   |
| 10   | 12     | 17    | 12                     | 40 | 51 | 66 | 75 | 0                 | - | 100   | 4        | -         | 44           | 4    | 96    | 0 | 0 |

NOTES:

1. FLAGS FOR INVALID DATA :
  - \*\*\*\* : DAILY ZERO/SPAN CHECK
  - D : DYNAMIC CALIBRATION
  - T : TELEMETRY/DATALOGGR/ANALYZER FAULT
  - M : MAINTENANCE OR MACHINE SHUTDOWN
  - P : POWER FAILURE
2. BRACKETED READINGS EXCEED 1-HR OBJECTIVE 300 OR 24-HR OBJECTIVE 150

THE HONGKONG ELECTRIC COMPANY, LTD.  
AIR QUALITY DATA MONTHLY TIME SERIES REPORT

STATION : QUEEN MARY HOSPITAL  
POLLUTANT : SULPHUR DIOXIDE

MONTH: SEPTEMBER

YEAR : 2009  
UNIT : MICROGRAMS/CUBIC METER

| DAY | 1  | 2 | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13  | 14  | 15          | 16  | 17  | 18 | 19 | 20 | 21 | 22 | 23   | 24 | MEAN |
|-----|----|---|----|----|----|----|----|----|----|----|----|----|-----|-----|-------------|-----|-----|----|----|----|----|----|------|----|------|
| 1   | 5  | 4 | 2  | 3  | 4  | 5  | 4  | 5  | 8  | 5  | 5  | 4  | 4   | 2   | 0           | 1   | 1   | 1  | 1  | T  | 2  | 1  | **** | 1  | 3    |
| 2   | 2  | 2 | 2  | 1  | 1  | 1  | 2  | 3  | 4  | 3  | 3  | 3  | 2   | 3   | 2           | 2   | 2   | 3  | 3  | 2  | 2  | 2  | **** | 3  | 2    |
| 3   | 3  | 4 | 2  | 2  | 3  | 4  | 4  | 6  | 6  | 6  | 4  | 3  | 3   | 1   | 2           | 3   | 3   | 3  | 3  | 2  | 2  | 3  | **** | 4  | 3    |
| 4   | 3  | 3 | 3  | 3  | 3  | 3  | 3  | 3  | 3  | 4  | 33 | 40 | 17  | 21  | 17          | 19  | 25  | 5  | 5  | 6  | 6  | 7  | **** | 3  | 10   |
| 5   | 3  | 3 | T  | 2  | 2  | 2  | 3  | 2  | 2  | 2  | 2  | 2  | 2   | 2   | 3           | 4   | 6   | 10 | 6  | 4  | 4  | 4  | **** | 5  | 3    |
| 6   | 4  | 3 | 3  | 4  | 4  | 3  | 3  | 3  | 3  | 2  | 2  | 2  | 2   | 2   | 3           | 2   | 3   | 3  | 5  | 5  | 3  | 2  | **** | 2  | 3    |
| 7   | 3  | 3 | 4  | 2  | 2  | 3  | 3  | 3  | 3  | 3  | 5  | 2  | 2   | 2   | 2           | 2   | 2   | 1  | 4  | 4  | 5  | 6  | **** | 2  | 3    |
| 8   | 8  | 5 | 4  | 4  | 4  | 4  | 5  | 5  | 5  | 4  | 3  | 2  | 4   | 9   | 3           | 4   | 3   | 2  | 7  | 4  | 5  | 6  | **** | 6  | 5    |
| 9   | 3  | 3 | 3  | 2  | 2  | 3  | 2  | 2  | 3  | 2  | 2  | 1  | 1   | 1   | 1           | 2   | 2   | 3  | 3  | 3  | 5  | 2  | **** | 2  | 2    |
| 10  | 2  | 3 | 2  | 2  | 2  | 2  | 3  | 4  | 3  | 4  | 4  | 3  | 3   | 3   | 4           | 2   | 1   | 0  | 0  | 1  | 1  | 0  | **** | 2  | 2    |
| 11  | 1  | 1 | 1  | 1  | 1  | 1  | 1  | 2  | 1  | 1  | 1  | 1  | 2   | 2   | 1           | 2   | 1   | 1  | 1  | 2  | 1  | 2  | **** | 1  | 1    |
| 12  | 1  | 0 | 0  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1   | 2   | 1           | 1   | 1   | 0  | 1  | 2  | 3  | 3  | **** | 9  | 1    |
| 13  | 4  | 3 | 3  | 3  | 22 | 32 | 22 | 26 | 30 | 52 | 47 | 68 | 82  | 95  | 131         | 133 | 105 | 91 | 43 | 12 | 14 | 7  | **** | 2  | 45   |
| 14  | 2  | 4 | 15 | 17 | 32 | 6  | 6  | 4  | 7  | 5  | 5  | 4  | 2   | 2   | 2           | 1   | 0   | 0  | 0  | 0  | 0  | 0  | **** | 0  | 5    |
| 15  | 0  | 0 | 0  | 0  | 0  | 0  | 0  | 1  | 1  | 1  | 1  | 1  | 1   | 1   | 11          | 4   | 7   | 2  | 2  | 3  | 2  | 3  | **** | 1  | 2    |
| 16  | 1  | 1 | 1  | 1  | 2  | 1  | 1  | 1  | 1  | 2  | 0  | 2  | 2   | 1   | 2           | 5   | 5   | 10 | 5  | 3  | 1  | 5  | **** | 1  | 2    |
| 17  | 1  | 1 | 0  | 1  | 1  | 6  | 1  | 1  | 2  | 4  | 5  | 12 | 15  | 16  | 13          | 13  | 19  | 25 | 17 | 6  | 14 | 11 | **** | 8  | 8    |
| 18  | 3  | 9 | 16 | 10 | 12 | 12 | 8  | 11 | 30 | 39 | 46 | 86 | 118 | 165 | 274         | 79  | 14  | 13 | 9  | 7  | 8  | 6  | **** | 5  | 43   |
| 19  | 4  | 2 | 3  | 3  | 3  | 4  | 4  | 7  | 22 | 31 | 33 | 49 | 66  | 27  | 21          | 24  | 18  | 14 | 13 | 17 | 12 | 9  | **** | 5  | 17   |
| 20  | 7  | 6 | 9  | 15 | 5  | 12 | 28 | 14 | 20 | 20 | 11 | 20 | 25  | 12  | 35          | 26  | 13  | 6  | 3  | 3  | 3  | 3  | **** | 2  | 13   |
| 21  | 4  | 1 | 2  | 1  | 2  | 1  | 2  | 1  | 3  | 8  | 38 | 26 | 27  | 28  | 28          | 21  | 37  | 18 | 27 | 22 | 35 | 49 | **** | 48 | 19   |
| 22  | 32 | 9 | 7  | 4  | 3  | 3  | 3  | 4  | 6  | 7  | 7  | 6  | 5   | 10  | 6           | 6   | 16  | 7  | 5  | 12 | 6  | 2  | **** | 2  | 7    |
| 23  | 2  | 2 | 3  | 3  | 3  | 3  | 6  | 8  | 7  | 6  | 5  | 4  | 3   | 1   | 1           | 1   | 1   | 3  | 3  | 2  | 3  | 2  | **** | 1  | 3    |
| 24  | 1  | 1 | 3  | 1  | 2  | 2  | 2  | 4  | 4  | 6  | 6  | 4  | 4   | 3   | 4           | 4   | 3   | 1  | 2  | 2  | 2  | 2  | **** | 3  | 3    |
| 25  | 2  | 2 | 2  | 2  | 2  | 2  | 4  | 4  | 3  | 4  | 3  | 2  | 3   | 2   | <--- D ---> | 2   | 3   | 5  | 4  | 3  | 3  | 3  | **** | 2  | 3    |
| 26  | 3  | 3 | 4  | 5  | 7  | 14 | 7  | 10 | 14 | 17 | 13 | 8  | 12  | 13  | 8           | 6   | 7   | 8  | 6  | 5  | 4  | 4  | **** | 4  | 8    |
| 27  | 4  | 4 | 4  | 5  | 8  | 10 | 9  | 8  | 9  | 8  | 7  | 7  | 8   | 6   | 6           | 5   | 6   | 6  | 7  | 6  | 5  | 4  | **** | 7  | 7    |
| 28  | 7  | 6 | 7  | 8  | 7  | 7  | 7  | 7  | 7  | 6  | 6  | 5  | 3   | 3   | 3           | 5   | 3   | 3  | 2  | 2  | 3  | 3  | **** | 1  | 5    |
| 29  | 1  | 2 | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 3  | 3  | 2  | 1   | 1   | 1           | 1   | 1   | 1  | 1  | 1  | 2  | 3  | **** | 4  | 2    |
| 30  | 3  | 2 | 2  | 1  | 2  | 2  | 2  | 3  | 2  | 2  | 3  | 4  | 2   | 1   | 1           | 1   | 1   | 1  | 0  | 1  | 2  | 0  | **** | 2  | 2    |

MONTHLY STATISTICS:

| GEOM | ARITH  | <-----PERCENTILE-----> |    |    |    |    | <-----RANGE-----> |      |       |       | STD GEOM  | PERCENT    | NO. OF TIMES ABOVE OBJECTIVE |       |
|------|--------|------------------------|----|----|----|----|-------------------|------|-------|-------|-----------|------------|------------------------------|-------|
| MEAN | MEDIAN | MEAN                   | 50 | 90 | 95 | 98 | 99                | 1-HR | 24-HR | 24-HR | DEVIATION | VALID DATA | 1-HR                         | 24-HR |
| 3    | 3      | 8                      | 3  | 16 | 28 | 51 | 93                | 0    | -     | 274   | 3         | 95         | 0                            | 0     |

- NOTES:
1. FLAGS FOR INVALID DATA :
    - \*\*\*\* : DAILY ZERO/SPAN CHECK
    - D : DYNAMIC CALIBRATION
    - T : TELEMETRY/DATALOGGR/ANALYZER FAULT
    - M : MAINTENANCE OR MACHINE SHUTDOWN
    - P : POWER FAILURE
  2. BRACKETED READINGS EXCEED 1-HR OBJECTIVE 800 OR 24-HR OBJECTIVE 350

THE HONGKONG ELECTRIC COMPANY, LTD.  
AIR QUALITY DATA MONTHLY TIME SERIES REPORT

STATION : QUEEN MARY HOSPITAL  
POLLUTANT : NITROGEN DIOXIDE

MONTH: SEPTEMBER

YEAR : 2009  
UNIT : MICROGRAMS/CUBIC METER

| DAY | 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14          | 15 | 16 | 17 | 18 | 19 | 20 | 21  | 22   | 23   | 24  | MEAN |
|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------------|----|----|----|----|----|----|-----|------|------|-----|------|
| 1   | 10 | 5  | 4  | 5  | 3  | 6  | 14 | 38 | 47 | 32 | 14 | 9  | 9  | 11          | 5  | 2  | 2  | 5  | 2  | T  | 3   | 1    | **** | 16  | 11   |
| 2   | 11 | 6  | 3  | 2  | 1  | 1  | 9  | 26 | 15 | 11 | 14 | 9  | 7  | 13          | 9  | 7  | 5  | 5  | 4  | 2  | 4   | 8    | **** | 9   | 8    |
| 3   | 5  | 6  | 2  | 1  | 2  | 3  | 10 | 39 | 49 | 43 | 14 | 7  | 8  | 7           | 3  | 3  | 4  | 5  | 17 | 7  | 7   | 5    | **** | 10  | 11   |
| 4   | 2  | 2  | 2  | 0  | 0  | 0  | 1  | 6  | 11 | 24 | 35 | 40 | 29 | 28          | 18 | 21 | 29 | 14 | 7  | 2  | 5   | 6    | **** | 9   | 13   |
| 5   | 8  | 9  | T  | 3  | 4  | 3  | 6  | 7  | 6  | 3  | 4  | 9  | 6  | 4           | 7  | 5  | 8  | 8  | 3  | 1  | 2   | 3    | **** | 7   | 5    |
| 6   | 2  | 0  | 3  | 1  | 5  | 2  | 4  | 4  | 6  | 6  | 2  | 3  | 2  | 2           | 5  | 0  | 0  | 1  | 8  | 9  | 3   | 5    | **** | 10  | 4    |
| 7   | 6  | 2  | 4  | 0  | 0  | 0  | 3  | 12 | 23 | 21 | 16 | 11 | 5  | 9           | 12 | 12 | 5  | 4  | 7  | 7  | 2   | 10   | **** | 11  | 8    |
| 8   | 22 | 17 | 12 | 9  | 4  | 4  | 3  | 16 | 25 | 22 | 13 | 9  | 8  | 20          | 20 | 8  | 3  | 4  | 10 | 9  | 9   | 19   | **** | 13  | 12   |
| 9   | 1  | 2  | 3  | 1  | 0  | 1  | 2  | 12 | 24 | 23 | 13 | 8  | 5  | 7           | 6  | 4  | 2  | 4  | 3  | 3  | 9   | 12   | **** | 9   | 7    |
| 10  | 7  | 5  | 3  | 2  | 1  | 1  | 4  | 11 | 12 | 13 | 10 | 11 | 9  | 10          | 12 | 13 | 9  | 8  | 9  | 9  | 5   | 2    | **** | 6   | 8    |
| 11  | 1  | 0  | 0  | 0  | 0  | 0  | 1  | 6  | 13 | 15 | 19 | 16 | 8  | 6           | 8  | 17 | 13 | 14 | 12 | 8  | 4   | 4    | **** | 9   | 8    |
| 12  | 3  | 1  | 0  | 0  | 0  | 0  | 0  | 3  | 4  | 0  | 2  | 0  | 0  | 0           | 0  | 0  | 0  | 0  | 1  | 9  | 17  | 20   | **** | 31  | 4    |
| 13  | 19 | 12 | 12 | 13 | 29 | 25 | 22 | 29 | 36 | 48 | 53 | 58 | 69 | 62          | 75 | 94 | 77 | 54 | 46 | 3  | 0   | 0    | **** | 1   | 36   |
| 14  | 0  | 3  | 23 | 19 | 29 | 3  | 12 | 18 | 29 | 25 | 17 | 6  | 18 | 27          | 23 | 6  | 1  | 1  | 0  | 0  | 0   | 0    | **** | 1   | 11   |
| 15  | 1  | 1  | 2  | 3  | 3  | 1  | 2  | 1  | 0  | 0  | 0  | 0  | 0  | 0           | 5  | 2  | 3  | 0  | 0  | 0  | 0   | 1    | **** | 1   | 1    |
| 16  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 3           | 0  | 3  | 1  | 6  | 2  | 1  | 0   | 6    | **** | 3   | 1    |
| 17  | 0  | 0  | 0  | 0  | 0  | 3  | 0  | 0  | 3  | 3  | 8  | 6  | 6  | 6           | 6  | 7  | 13 | 21 | 20 | 5  | 18  | 13   | **** | 11  | 6    |
| 18  | 2  | 8  | 17 | 14 | 9  | 10 | 14 | 9  | 14 | 20 | 18 | 25 | 30 | 38          | 60 | 39 | 18 | 20 | 19 | 13 | 13  | 13   | **** | 16  | 19   |
| 19  | 6  | 7  | 10 | 11 | 13 | 16 | 11 | 13 | 27 | 33 | 24 | 21 | 36 | 13          | 17 | 15 | 13 | 19 | 21 | 19 | 14  | 8    | **** | 7   | 16   |
| 20  | 7  | 1  | 5  | 15 | 0  | 5  | 18 | 9  | 14 | 12 | 5  | 8  | 10 | 5           | 21 | 13 | 6  | 1  | 0  | 1  | 0   | 0    | **** | 2   | 7    |
| 21  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 17 | 31 | 29 | 39 | 32 | 28 | 22          | 24 | 25 | 51 | 57 | 64 | 79 | 112 | 122  | **** | 105 | 36   |
| 22  | 84 | 31 | 14 | 4  | 7  | 7  | 11 | 28 | 40 | 46 | 54 | 49 | 18 | 33          | 44 | 40 | 54 | 60 | 53 | 62 | 49  | 4    | **** | 13  | 35   |
| 23  | 14 | 20 | 17 | 18 | 11 | 13 | 27 | 44 | 31 | 27 | 19 | 11 | 11 | 8           | 8  | 12 | 10 | 13 | 14 | 13 | 9   | 7    | **** | 12  | 16   |
| 24  | 5  | 4  | 4  | 1  | 1  | 1  | 4  | 11 | 17 | 16 | 15 | 11 | 6  | 3           | 7  | 8  | 6  | 5  | 7  | 10 | 7   | 8    | **** | 15  | 7    |
| 25  | 4  | 4  | 4  | 2  | 1  | 3  | 5  | 14 | 14 | 13 | 14 | 11 | 6  | <--- D ---> | 7  | 7  | 6  | 16 | 14 | 16 | 9   | **** | 4    | 8   |      |
| 26  | 2  | 5  | 8  | 14 | 16 | 32 | 30 | 41 | 53 | 59 | 52 | 31 | 25 | 28          | 28 | 13 | 9  | 9  | 35 | 33 | 35  | 14   | **** | 14  | 25   |
| 27  | 11 | 14 | 13 | 18 | 18 | 21 | 22 | 18 | 21 | 23 | 32 | 25 | 27 | 21          | 28 | 26 | 29 | 32 | 39 | 25 | 21  | 16   | **** | 14  | 22   |
| 28  | 9  | 8  | 8  | 12 | 13 | 11 | 16 | 23 | 33 | 29 | 42 | 33 | 22 | 42          | 38 | 45 | 44 | 44 | 26 | 24 | 20  | 14   | **** | 5   | 24   |
| 29  | 4  | 5  | 4  | 2  | 3  | 3  | 6  | 17 | 14 | 24 | 23 | 14 | 11 | 13          | 10 | 11 | 15 | 15 | 16 | 12 | 15  | 16   | **** | 14  | 12   |
| 30  | 16 | 7  | 3  | 2  | 3  | 3  | 5  | 8  | 13 | 15 | 14 | 18 | 18 | 11          | 11 | 12 | 16 | 16 | 10 | 28 | 46  | 11   | **** | 23  | 13   |

MONTHLY STATISTICS:

| GEOM | ARITH  | <-----PERCENTILE-----> |    |    |    |    | <-----RANGE-----> |      |       | STD GEOM  | PERCENT    | NO. OF TIMES ABOVE OBJECTIVE |       |
|------|--------|------------------------|----|----|----|----|-------------------|------|-------|-----------|------------|------------------------------|-------|
| MEAN | MEDIAN | MEAN                   | 50 | 90 | 95 | 98 | 99                | 1-HR | 24-HR | DEVIATION | VALID DATA | 1-HR                         | 24-HR |
| 7    | 9      | 13                     | 9  | 31 | 44 | 60 | 76                | 0    | - 122 | 5         | 95         | 0                            | 0     |

- NOTES:
1. FLAGS FOR INVALID DATA :
    - \*\*\*\* : DAILY ZERO/SPAN CHECK
    - D : DYNAMIC CALIBRATION
    - T : TELEMETRY/DATALOGGR/ANALYZER FAULT
    - M : MAINTENANCE OR MACHINE SHUTDOWN
    - P : POWER FAILURE
  2. BRACKETED READINGS EXCEED 1-HR OBJECTIVE 300 OR 24-HR OBJECTIVE 150



THE HONGKONG ELECTRIC COMPANY, LTD.  
AIR QUALITY DATA MONTHLY TIME SERIES REPORT

STATION : AP LEI CHAU MONTH: JULY YEAR : 2009  
POLLUTANT : NITROGEN DIOXIDE UNIT : MICROGRAMS/CUBIC METER

| DAY | 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16        | 17 | 18 | 19 | 20 | 21 | 22   | 23   | 24 | MEAN |
|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----------|----|----|----|----|----|------|------|----|------|
| 1   | 4  | 8  | 4  | 5  | 8  | 2  | 7  | 6  | 3  | 5  | 5  | 4  | 2  | 6  | 4  | 5         | 5  | 12 | 8  | 7  | 6  | 2    | **** | 4  | 5    |
| 2   | 3  | 4  | 3  | 5  | 5  | 6  | 5  | 7  | 6  | 8  | 7  | 5  | 8  | 11 | 9  | 11        | 7  | 7  | 10 | 11 | 13 | 7    | **** | 7  | 7    |
| 3   | 7  | 4  | 6  | 4  | 5  | 8  | 3  | 5  | 7  | 8  | 7  | 8  | 8  | 10 | 10 | 10        | 9  | 12 | 11 | 13 | 19 | 14   | **** | 10 | 9    |
| 4   | 6  | 9  | 5  | 4  | 13 | 4  | 9  | 15 | 11 | 6  | 10 | 19 | 14 | 14 | 9  | 9         | 8  | 17 | 14 | 7  | 13 | 12   | **** | 13 | 11   |
| 5   | 6  | 20 | 29 | 6  | 7  | 9  | 9  | 9  | 12 | 6  | 6  | 6  | 4  | 6  | 6  | 7         | 10 | 12 | 19 | 8  | 4  | **** | 22   | 10 |      |
| 6   | 21 | 3  | 8  | 18 | 13 | 9  | 8  | 7  | 9  | 6  | 4  | 4  | 1  | 2  | 4  | 3         | 3  | 6  | 22 | 20 | 13 | 6    | **** | 13 | 9    |
| 7   | 14 | 24 | 22 | 17 | 8  | 14 | 7  | 21 | 14 | 14 | 16 | 16 | 13 | 11 | 8  | 14        | 13 | 14 | 21 | 6  | 17 | 16   | **** | 28 | 15   |
| 8   | 10 | 20 | 4  | 8  | 17 | 22 | 26 | 22 | 9  | 16 | 16 | 14 | 11 | 10 | 12 | 13        | 14 | 16 | 16 | 16 | 17 | 16   | **** | 21 | 15   |
| 9   | 15 | 13 | 10 | 7  | 9  | 13 | 21 | 18 | 9  | 12 | 11 | 12 | 14 | 19 | 22 | 24        | 30 | 20 | 19 | 14 | 26 | 27   | **** | 18 | 17   |
| 10  | 17 | 22 | 10 | 11 | 12 | 20 | 20 | 19 | 21 | 28 | 32 | 46 | 57 | 53 | 55 | 54        | 51 | 70 | 45 | 34 | 53 | 50   | **** | 12 | 34   |
| 11  | 6  | 2  | 1  | 3  | 2  | 3  | 6  | 8  | 5  | 8  | 6  | 4  | 4  | 5  | 2  | 3         | 2  | 2  | 1  | 1  | 1  | 2    | **** | 3  | 3    |
| 12  | 0  | 1  | 1  | 3  | 1  | 1  | 3  | 2  | 2  | 2  | 4  | 1  | 3  | 2  | 3  | 2         | 3  | 5  | 7  | 8  | 8  | 13   | **** | 10 | 4    |
| 13  | 6  | 4  | 4  | 7  | 4  | 15 | 23 | 28 | 27 | 26 | 21 | 14 | 20 | 13 | 13 | 18        | 16 | 29 | 20 | 11 | 20 | 11   | **** | 19 | 16   |
| 14  | 10 | 11 | 11 | 6  | 8  | 6  | 14 | 12 | 16 | 17 | 16 | 13 | 9  | 11 | 11 | 7         | 14 | 13 | 8  | 10 | 3  | 3    | **** | 7  | 10   |
| 15  | 0  | 0  | 1  | 0  | 0  | 1  | 1  | 1  | 4  | 2  | 2  | 3  | 4  | 3  | 3  | 3         | 3  | 3  | 3  | 3  | 3  | 3    | **** | 4  | 2    |
| 16  | 1  | 0  | 1  | 0  | 0  | 1  | 2  | 1  | 1  | 2  | 2  | 1  | 2  | 1  | 1  | 3         | 2  | 1  | 2  | 3  | 0  | 0    | **** | 5  | 1    |
| 17  | 0  | 0  | 0  | 0  | 1  | 1  | 1  | 3  | 4  | 2  | 3  | 8  | 18 | 20 | 18 | 11        | 15 | 17 | 22 | 24 | 32 | 27   | **** | 32 | 11   |
| 18  | 31 | 22 | 25 | 33 | 34 | 26 | 33 | 43 | 57 | 65 | 70 | 69 | 73 | 70 | 58 | 33        | 18 | 37 | 66 | 29 | 23 | 23   | **** | 17 | 42   |
| 19  | 28 | 11 | 20 | 5  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 1  | 2  | 3  | 12 | 3         | 5  | 8  | 3  | 1  | 0  | 0    | **** | 5  | 5    |
| 20  | 2  | 1  | 1  | 6  | 22 | 6  | 15 | 5  | 7  | 4  | 2  | 0  | 4  | 1  | 2  | 1         | 2  | 2  | 0  | 1  | 3  | 4    | **** | 4  | 4    |
| 21  | 4  | 2  | 0  | 2  | 6  | 1  | 1  | 3  | 2  | 1  | 2  | 1  | 1  | 0  | 1  | <-- D --> | 5  | 5  | 4  | 5  | 2  | **** | 5    | 2  |      |
| 22  | 13 | 12 | 6  | 10 | 6  | 6  | 10 | 8  | 1  | 3  | 5  | 4  | 3  | 2  | 0  | 3         | 3  | 1  | 4  | 4  | 3  | 6    | **** | 7  | 5    |
| 23  | 4  | 4  | 11 | 10 | 12 | 10 | 13 | 4  | 7  | 7  | 18 | 15 | 10 | 1  | 2  | 6         | 9  | 16 | 10 | 12 | 10 | 12   | **** | 10 | 9    |
| 24  | 2  | 5  | 2  | 6  | 5  | 3  | 1  | 6  | 4  | 3  | 6  | 13 | 7  | 4  | 7  | 5         | 5  | 7  | 3  | 3  | 7  | 3    | **** | 17 | 5    |
| 25  | 5  | 7  | 8  | 3  | 3  | 2  | 5  | 8  | 6  | 7  | 4  | 6  | 1  | 6  | 8  | 9         | 2  | 8  | 7  | 6  | 6  | 3    | **** | 10 | 6    |
| 26  | 8  | 8  | 6  | 9  | 2  | 2  | 5  | 3  | 1  | 3  | 10 | 4  | 12 | 1  | 13 | 8         | 3  | 15 | 18 | 19 | 10 | 7    | **** | 11 | 8    |
| 27  | 12 | 10 | 4  | 2  | 2  | 0  | 3  | 15 | 15 | 7  | 13 | 2  | 4  | 11 | 5  | 7         | 5  | 9  | 8  | 8  | 18 | 3    | **** | 6  | 7    |
| 28  | 9  | 3  | 9  | 15 | 3  | 4  | 1  | 1  | 3  | 7  | 1  | 3  | 5  | 1  | 3  | 4         | 6  | 6  | 10 | 7  | 2  | 0    | **** | 3  | 5    |
| 29  | 3  | 1  | 1  | 3  | 2  | 2  | 4  | 4  | 1  | 1  | 1  | 0  | 0  | 0  | 0  | 0         | 1  | 0  | 0  | 1  | 0  | 1    | **** | 0  | 1    |
| 30  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0         | 1  | 1  | 1  | 0  | 0  | 0    | **** | 0  | 0    |
| 31  | 0  | 1  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0         | 0  | 0  | 0  | 0  | 1  | 1    | **** | 2  | 0    |

MONTHLY STATISTICS:

| GEOM | ARITH  |      | -----PERCENTILE----- |    |    |    |    | -----RANGE----- |   |       |   | STD GEOM  | PERCENT    | NO. OF TIMES |       |   |   |
|------|--------|------|----------------------|----|----|----|----|-----------------|---|-------|---|-----------|------------|--------------|-------|---|---|
| MEAN | MEDIAN | MEAN | 50                   | 90 | 95 | 98 | 99 | 1-HR            |   | 24-HR |   | DEVIATION | VALID DATA | 1-HR         | 24-HR |   |   |
| 5    | 6      | 9    | 6                    | 20 | 28 | 51 | 58 | 0               | - | 73    | 0 | -         | 42         | 5            | 96    | 0 | 0 |

NOTES:

1. FLAGS FOR INVALID DATA :
  - \*\*\*\* : DAILY ZERO/SPAN CHECK
  - D : DYNAMIC CALIBRATION
  - T : TELEMETRY/DATALOGGR/ANALYZER FAULT
  - M : MAINTENANCE OR MACHINE SHUTDOWN
  - P : POWER FAILURE
2. BRACKETED READINGS EXCEED 1-HR OBJECTIVE 300 OR 24-HR OBJECTIVE 150









THE HONGKONG ELECTRIC COMPANY, LTD.  
AIR QUALITY DATA MONTHLY TIME SERIES REPORT

STATION : CHEUNG CHAU  
 POLLUTANT : SULPHUR DIOXIDE  
 MONTH: JULY  
 YEAR : 2009  
 UNIT : MICROGRAMS/CUBIC METER

| DAY | 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12  | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23   | 24 | MEAN |
|-----|----|----|----|----|----|----|----|----|----|----|----|-----|----|----|----|----|----|----|----|----|----|----|------|----|------|
| 1   | 1  | 2  | 2  | 1  | 2  | 1  | 1  | 2  | 2  | 2  | 2  | 2   | 2  | 2  | 2  | 2  | 1  | 2  | 2  | 2  | 2  | 3  | **** | 2  | 2    |
| 2   | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 1  | 1  | 1  | 1   | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | **** | 2  | 1    |
| 3   | 1  | 1  | 1  | 1  | 1  | 1  | 2  | 1  | 1  | 2  | 1  | 1   | 1  | 1  | 1  | 2  | 2  | 1  | 1  | 2  | 2  | 1  | **** | 1  | 1    |
| 4   | 1  | 1  | 1  | 1  | 0  | 0  | 0  | 1  | 0  | 0  | 0  | 0   | 1  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | **** | 0  | 0    |
| 5   | 0  | 0  | 0  | 6  | 13 | 9  | 8  | 10 | 8  | 6  | 1  | 2   | 7  | 6  | 8  | 8  | 5  | 3  | 3  | 7  | 4  | 4  | **** | 3  | 5    |
| 6   | 2  | 3  | 2  | 2  | 3  | 6  | 6  | 6  | 5  | 7  | 5  | 4   | 4  | 2  | 2  | 5  | 14 | 20 | 6  | 2  | 2  | 3  | **** | 0  | 5    |
| 7   | 0  | 2  | 1  | 3  | 2  | 3  | 3  | 3  | 2  | 2  | 3  | 3   | 3  | 2  | 3  | 4  | 3  | 2  | 4  | 3  | 3  | 3  | **** | 3  | 3    |
| 8   | 2  | 2  | 2  | 3  | 5  | 3  | 5  | 8  | 10 | 7  | 7  | 10  | 6  | 3  | 4  | 6  | 8  | 4  | 3  | 3  | 4  | 3  | **** | 5  | 5    |
| 9   | 4  | 8  | 12 | 6  | 4  | 7  | 6  | 4  | 4  | 2  | 2  | 5   | 4  | 3  | 11 | 9  | 5  | 3  | 2  | 1  | 1  | 2  | **** | 1  | 5    |
| 10  | 1  | 0  | 0  | 0  | 0  | 2  | 12 | 8  | 7  | 43 | 21 | 48  | 19 | 36 | 44 | 45 | 38 | 19 | 10 | 13 | 8  | 7  | **** | 20 | 18   |
| 11  | 23 | 16 | 26 | 24 | 12 | 34 | 9  | 5  | 4  | 3  | 4  | 13  | 5  | 10 | 4  | 8  | 1  | 1  | 1  | 2  | 1  | 1  | **** | 2  | 9    |
| 12  | 2  | 1  | 6  | 9  | 13 | 8  | 10 | 8  | 11 | 13 | 6  | 13  | 14 | 23 | 17 | 13 | 13 | 13 | 15 | 22 | 14 | 7  | **** | 6  | 11   |
| 13  | 8  | 9  | 9  | 9  | 8  | 8  | 13 | 15 | 11 | 6  | 4  | 5   | 9  | 8  | 12 | 17 | 10 | 8  | 6  | 3  | 2  | 2  | **** | 6  | 8    |
| 14  | 5  | 5  | 3  | 3  | 3  | 1  | 2  | 4  | 2  | 2  | 2  | 1   | 4  | 6  | 4  | 1  | 2  | 1  | 3  | 2  | 4  | 7  | **** | 5  | 3    |
| 15  | 5  | 3  | 2  | 2  | 2  | 4  | 2  | 4  | 2  | 1  | 2  | 2   | 4  | 3  | 3  | 7  | 3  | 3  | 3  | 4  | 4  | 3  | **** | 6  | 3    |
| 16  | 8  | 5  | 4  | 4  | 3  | 5  | 5  | 2  | 2  | 3  | 6  | 6   | 2  | 3  | 4  | 5  | 3  | 2  | 2  | 3  | 3  | 1  | **** | 3  | 4    |
| 17  | 3  | 4  | 3  | 4  | 2  | 5  | 6  | 5  | 7  | 8  | 5  | 11  | 5  | 2  | 7  | 3  | 7  | 4  | 2  | 2  | 3  | 5  | **** | 3  | 5    |
| 18  | 4  | 2  | 17 | 16 | 7  | 13 | 18 | 21 | 23 | 44 | 92 | 102 | 82 | 68 | 43 | 24 | 11 | 3  | 8  | 4  | 4  | 4  | **** | 14 | 27   |
| 19  | 13 | 5  | 3  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1   | 1  | 1  | 3  | 4  | 6  | 5  | 3  | 2  | 2  | 2  | **** | 4  | 3    |
| 20  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 0  | 1  | 6  | 3   | 3  | 8  | 4  | 4  | 5  | 2  | 5  | 11 | 14 | 12 | **** | 14 | 4    |
| 21  | 12 | 8  | 13 | 17 | 7  | 6  | 8  | 12 | 10 | 5  | 2  | 4   | 25 | 14 | 9  | 15 | 14 | 10 | 8  | 8  | 9  | 11 | **** | 3  | 10   |
| 22  | 3  | 2  | 3  | 2  | 2  | 4  | 9  | 15 | 11 | 11 | 27 | 35  | 12 | 6  | 7  | 8  | 2  | 2  | 2  | 2  | 2  | 3  | **** | 2  | 7    |
| 23  | 2  | 1  | 1  | 1  | 1  | 1  | 1  | 3  | 1  | 5  | 4  | 2   | 1  | 2  | 1  | 2  | 4  | 4  | 5  | 2  | 1  | 2  | **** | 1  | 2    |
| 24  | 1  | 2  | 1  | 2  | 2  | 2  | 2  | 3  | 3  | 2  | 2  | 2   | 2  | 2  | 4  | 2  | 4  | 3  | 2  | 1  | 2  | 3  | **** | 3  | 2    |
| 25  | 1  | 3  | 1  | 1  | 1  | 2  | 3  | 2  | 1  | 3  | 5  | 2   | 1  | 2  | 2  | 1  | 1  | 0  | 0  | 1  | 0  | 0  | **** | 0  | 2    |
| 26  | 1  | 1  | 0  | 0  | 0  | 0  | 1  | 1  | 1  | 2  | 0  | 0   | 1  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | **** | 1  | 0    |
| 27  | 0  | 0  | 0  | 2  | 0  | 0  | 0  | 0  | 5  | 11 | 5  | 1   | 1  | 1  | 1  | 1  | 2  | 1  | 1  | 2  | 2  | 3  | **** | 2  | 2    |
| 28  | 1  | 2  | 2  | 1  | 1  | 1  | 2  | 1  | 0  | 1  | 0  | 0   | 0  | 0  | 0  | 0  | 0  | 1  | 1  | 0  | 0  | 0  | **** | 0  | 1    |
| 29  | 2  | 1  | 2  | 4  | 5  | 5  | 5  | 6  | 5  | 8  | 8  | 8   | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | **** | 1  | 3    |
| 30  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0   | 0  | 0  | 0  | 0  | 9  | 5  | 4  | 4  | 4  | 4  | **** | 2  | 1    |
| 31  | 2  | 3  | 4  | 2  | 3  | 3  | 1  | 3  | 1  | 1  | 2  | 3   | 1  | 4  | 2  | 1  | 2  | 3  | 2  | 1  | 3  | 3  | **** | 6  | 2    |

MONTHLY STATISTICS:

| GEOM | ARITH  |      | PERCENTILE |    |    |    |    | RANGE |   |       |   | STD GEOM  | PERCENT    | NO. OF TIMES |       |   |   |
|------|--------|------|------------|----|----|----|----|-------|---|-------|---|-----------|------------|--------------|-------|---|---|
| MEAN | MEDIAN | MEAN | 50         | 90 | 95 | 98 | 99 | 1-HR  |   | 24-HR |   | DEVIATION | VALID DATA | 1-HR         | 24-HR |   |   |
| 3    | 2      | 5    | 2          | 11 | 16 | 27 | 44 | 0     | - | 102   | 0 | -         | 27         | 3            | 96    | 0 | 0 |

NOTES:

1. FLAGS FOR INVALID DATA :
  - \*\*\*\* : DAILY ZERO/SPAN CHECK
  - D : DYNAMIC CALIBRATION
  - T : TELEMETRY/DATALOGGR/ANALYZER FAULT
  - M : MAINTENANCE OR MACHINE SHUTDOWN
  - P : POWER FAILURE
2. BRACKETED READINGS EXCEED 1-HR OBJECTIVE 800 OR 24-HR OBJECTIVE 350



THE HONGKONG ELECTRIC COMPANY, LTD.  
AIR QUALITY DATA MONTHLY TIME SERIES REPORT

STATION : CHEUNG CHAU  
 POLLUTANT : SULPHUR DIOXIDE  
 MONTH: AUGUST  
 YEAR : 2009  
 UNIT : MICROGRAMS/CUBIC METER

| DAY | 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22   | 23   | 24 | MEAN |
|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|------|------|----|------|
| 1   | 7  | 4  | 9  | 4  | 4  | 7  | 7  | 13 | 10 | 6  | 13 | 9  | 10 | 9  | 28 | 28 | 37 | 30 | 38 | 28 | 17 | 7    | **** | 7  | 14   |
| 2   | 5  | 6  | 11 | 20 | 46 | 35 | 22 | 26 | 53 | 29 | 26 | 33 | 36 | 39 | 33 | 27 | 17 | 20 | 10 | 10 | 9  | 7    | **** | 9  | 23   |
| 3   | 7  | 15 | 22 | 19 | 19 | 13 | 8  | 11 | 12 | 12 | 14 | 15 | 11 | 8  | 6  | 5  | 10 | 18 | 3  | 2  | 2  | 1    | **** | 0  | 10   |
| 4   | 6  | 11 | 21 | 8  | 11 | 2  | 1  | 6  | 2  | 2  | 2  | 1  | 15 | 22 | 18 | 5  | 1  | 0  | 1  | 1  | 3  | 2    | **** | 1  | 6    |
| 5   | 1  | 1  | 0  | 0  | 1  | 0  | 1  | 2  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1    | **** | 1  | 1    |
| 6   | 2  | 1  | 1  | 1  | 1  | 1  | 1  | 2  | 3  | 3  | 3  | 4  | 1  | 2  | 1  | 2  | 3  | 3  | 11 | 25 | 33 | **** | 22   | 6  |      |
| 7   | 28 | 28 | 21 | 13 | 9  | 6  | 5  | 10 | 17 | 20 | 15 | 14 | 5  | 1  | 5  | 11 | 4  | 1  | 0  | 1  | 0  | 0    | **** | 1  | 9    |
| 8   | 1  | 1  | 0  | 0  | 1  | 2  | 9  | 10 | 14 | 28 | 38 | 34 | 30 | 25 | 20 | 20 | 27 | 18 | 5  | 2  | 2  | 2    | **** | 2  | 13   |
| 9   | 3  | 6  | 6  | 10 | 7  | 13 | 25 | 23 | 27 | 26 | 27 | 24 | 20 | 13 | 7  | 5  | 7  | 6  | 3  | 4  | 4  | 3    | **** | 3  | 12   |
| 10  | 4  | 4  | 4  | 2  | 3  | 5  | 6  | 4  | 6  | 5  | 4  | 5  | 4  | 5  | 7  | 13 | 17 | 16 | 11 | 11 | 8  | 6    | **** | 4  | 7    |
| 11  | 1  | 1  | 1  | 1  | 2  | 2  | 2  | 4  | 2  | 4  | 8  | 9  | 8  | 10 | 14 | 14 | 11 | 8  | 16 | 16 | 4  | 4    | **** | 3  | 6    |
| 12  | 2  | 2  | 1  | 2  | 1  | 1  | 1  | 1  | 2  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 3  | 2  | 1  | 1  | 2  | 1    | **** | 1  | 1    |
| 13  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 1  | 2  | 0  | 0  | 1  | 2    | **** | 2  | 1    |
| 14  | 3  | 9  | 12 | 6  | 7  | 2  | 0  | 0  | 5  | 2  | 3  | 5  | 2  | 0  | 1  | 2  | 2  | 2  | 1  | 1  | 1  | 1    | **** | 1  | 3    |
| 15  | 2  | 3  | 1  | 1  | 1  | 1  | 2  | 4  | 5  | 7  | 7  | 5  | 4  | 3  | 2  | 2  | 3  | 6  | 1  | 1  | 1  | 1    | **** | 1  | 3    |
| 16  | 2  | 2  | 1  | 4  | 4  | 2  | 1  | 1  | 2  | 1  | 1  | 2  | 4  | 1  | 2  | 2  | 0  | 2  | 0  | 1  | 0  | 0    | **** | 3  | 2    |
| 17  | 1  | 1  | 0  | 1  | 1  | 1  | 1  | 3  | 5  | 5  | 2  | 2  | 2  | 4  | 2  | 2  | 1  | 3  | 1  | 1  | 3  | 8    | **** | 14 | 3    |
| 18  | 20 | 18 | 12 | 11 | 12 | 5  | 8  | 10 | 12 | 8  | 13 | 9  | 10 | 8  | 10 | 7  | 7  | 6  | 6  | 3  | 11 | 7    | **** | 4  | 9    |
| 19  | 3  | 2  | 1  | 1  | 0  | 2  | 5  | 8  | 4  | 4  | 3  | 2  | 2  | 4  | 5  | 5  | 5  | 3  | 3  | 2  | 2  | 2    | **** | 1  | 3    |
| 20  | 1  | 1  | 2  | 2  | 2  | 2  | 3  | 5  | 9  | 11 | 6  | 8  | 8  | 6  | 5  | 5  | 2  | 3  | 2  | 1  | 2  | 3    | **** | 3  | 4    |
| 21  | 3  | 2  | 1  | 1  | 1  | 0  | 1  | 1  | 1  | 3  | 14 | 10 | 7  | 17 | 10 | 8  | 3  | 4  | 2  | 2  | 1  | 2    | **** | 3  | 4    |
| 22  | 3  | 2  | 1  | 1  | 1  | 3  | 5  | 4  | 4  | 3  | 3  | 6  | 9  | 7  | 6  | 8  | 4  | 3  | 4  | 4  | 5  | 4    | **** | 3  | 4    |
| 23  | 3  | 2  | 3  | 2  | 2  | 1  | 4  | 8  | 12 | 10 | 8  | 11 | 12 | 20 | 18 | 9  | 8  | 5  | 9  | 10 | 21 | 28   | **** | 24 | 10   |
| 24  | 22 | 28 | 24 | 14 | 18 | 27 | 23 | 24 | 24 | 24 | 23 | 23 | 20 | 17 | 12 | 3  | 3  | 5  | 7  | 8  | 9  | **** | 10   | 17 |      |
| 25  | 10 | 6  | 6  | 7  | 14 | 8  | 7  | 7  | 12 | 10 | 8  | 4  | 3  | 4  | 3  | 3  | 4  | 4  | 4  | 4  | 4  | 3    | **** | 1  | 6    |
| 26  | 2  | 4  | 5  | 6  | 10 | 8  | 10 | 11 | 16 | 12 | 17 | 21 | 17 | 9  | 8  | 8  | 10 | 13 | 19 | 12 | 13 | 8    | **** | 7  | 11   |
| 27  | 5  | 4  | 6  | 5  | 3  | 4  | 7  | 11 | 10 | 12 | 11 | 10 | 3  | 3  | 3  | 3  | 4  | 3  | 2  | 2  | 5  | 3    | **** | 2  | 5    |
| 28  | 3  | 3  | 5  | 5  | 5  | 2  | 2  | 3  | 5  | 5  | 8  | 10 | 7  | 6  | 8  | 10 | 15 | 12 | 8  | 6  | 3  | 5    | **** | 9  | 6    |
| 29  | 6  | 7  | 5  | 2  | 3  | 2  | 7  | 18 | 22 | 11 | 16 | 14 | 9  | 13 | 13 | 25 | 43 | 29 | 26 | 21 | 15 | **** | 12   | 14 |      |
| 30  | 13 | 11 | 14 | 13 | 14 | 4  | 10 | 1  | 2  | 3  | 6  | 8  | 14 | 16 | 17 | 20 | 16 | 5  | 7  | 10 | 21 | 31   | **** | 26 | 12   |
| 31  | 26 | 26 | 25 | 14 | 15 | 18 | 25 | 17 | 11 | 12 | 18 | 15 | 15 | 18 | 11 | 18 | 21 | 21 | 8  | 11 | 13 | 13   | **** | 24 | 17   |

MONTHLY STATISTICS:

| GEOM | ARITH  | PERCENTILE |    |    |    |    | RANGE |      |       | STD GEOM  | PERCENT    | NO. OF TIMES |       |
|------|--------|------------|----|----|----|----|-------|------|-------|-----------|------------|--------------|-------|
| MEAN | MEDIAN | MEAN       | 50 | 90 | 95 | 98 | 99    | 1-HR | 24-HR | DEVIATION | VALID DATA | 1-HR         | 24-HR |
| 4    | 5      | 8          | 5  | 20 | 26 | 30 | 36    | 0    | - 53  | 3         | 96         | 0            | 0     |

NOTES:

1. FLAGS FOR INVALID DATA :
  - \*\*\*\* : DAILY ZERO/SPAN CHECK
  - D : DYNAMIC CALIBRATION
  - T : TELEMETRY/DATALOGGR/ANALYZER FAULT
  - M : MAINTENANCE OR MACHINE SHUTDOWN
  - P : POWER FAILURE
2. BRACKETED READINGS EXCEED 1-HR OBJECTIVE 800 OR 24-HR OBJECTIVE 350



THE HONGKONG ELECTRIC COMPANY, LTD.  
AIR QUALITY DATA MONTHLY TIME SERIES REPORT

STATION : CHEUNG CHAU  
 POLLUTANT : SULPHUR DIOXIDE  
 MONTH: SEPTEMBER  
 YEAR : 2009  
 UNIT : MICROGRAMS/CUBIC METER

| DAY | 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | 11 | 12 | 13 | 14          | 15 | 16  | 17 | 18 | 19 | 20 | 21 | 22 | 23   | 24 | MEAN |
|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------------|----|-----|----|----|----|----|----|----|------|----|------|
| 1   | 31 | 21 | 4  | 4  | 19 | 28 | 20 | 11 | 8  | 8  | 11 | 8  | 11 | 5           | 4  | 4   | 3  | 3  | 2  | 3  | 4  | 4  | **** | 6  | 10   |
| 2   | 2  | 8  | 17 | 15 | 5  | 3  | 11 | 12 | 13 | 20 | 9  | 4  | 13 | 11          | 9  | 7   | 5  | 6  | 4  | 3  | 2  | 5  | **** | 3  | 8    |
| 3   | 3  | 4  | 7  | 4  | 9  | 5  | 25 | 14 | 11 | 10 | 12 | 7  | 12 | 3           | 4  | 5   | 6  | 3  | 6  | 2  | 3  | 4  | **** | 5  | 7    |
| 4   | 3  | 4  | 6  | 4  | 3  | 4  | 5  | 3  | 7  | 38 | 17 | 14 | 17 | 13          | 13 | 19  | 10 | 8  | 5  | 5  | 11 | 12 | **** | 8  | 10   |
| 5   | 6  | 7  | 6  | 6  | 4  | 6  | 5  | 5  | 4  | 4  | 2  | 4  | 5  | 7           | 11 | 13  | 10 | 6  | 6  | 6  | 10 | 9  | **** | 3  | 6    |
| 6   | 3  | 4  | 8  | 8  | 9  | 8  | 6  | 9  | 8  | 17 | 10 | 6  | 3  | 2           | 4  | 3   | 4  | 3  | 6  | 7  | 5  | 4  | **** | 4  | 6    |
| 7   | 5  | 5  | 7  | 11 | 5  | 3  | 5  | 5  | 7  | 6  | 4  | 4  | 11 | 9           | 5  | 10  | 15 | 19 | 20 | 18 | 11 | 10 | **** | 6  | 9    |
| 8   | 10 | 7  | 7  | 5  | 5  | 7  | 13 | 21 | 30 | 13 | 10 | 5  | 4  | 11          | 16 | 15  | 7  | 13 | 8  | 10 | 6  | 7  | **** | 10 | 10   |
| 9   | 6  | 6  | 11 | 9  | 5  | 5  | 4  | 13 | 9  | 12 | 14 | 4  | 3  | 3           | 4  | 4   | 5  | 6  | 6  | 2  | 5  | 13 | **** | 5  | 7    |
| 10  | 5  | 3  | 4  | 3  | 3  | 3  | 3  | 4  | 4  | 3  | 4  | 4  | 3  | 4           | 3  | 8   | 51 | 51 | 42 | 32 | 64 | 22 | **** | 31 | 15   |
| 11  | 8  | 2  | 2  | 3  | 3  | 2  | 8  | 18 | 4  | 6  | 10 | 10 | 7  | 22          | 24 | 18  | 27 | 23 | 22 | 18 | 18 | 6  | **** | 26 | 12   |
| 12  | 25 | 28 | 9  | 29 | 27 | 18 | 39 | 13 | 17 | 6  | 15 | 4  | 2  | 3           | 4  | 2   | 3  | 3  | 3  | 6  | 8  | 8  | **** | 8  | 12   |
| 13  | 13 | 18 | 21 | 24 | 17 | 15 | 14 | 67 | 47 | 42 | 43 | 40 | 67 | 68          | 99 | 106 | 86 | 45 | 30 | 10 | 11 | 9  | **** | 7  | 39   |
| 14  | 8  | 5  | 9  | 12 | 9  | 11 | 10 | 9  | 10 | 10 | 8  | 9  | 6  | 4           | 4  | 6   | 6  | 6  | 5  | 2  | 2  | 1  | **** | 13 | 7    |
| 15  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1  | 1           | 0  | 0   | 1  | 1  | 1  | 1  | 1  | 1  | **** | 2  | 1    |
| 16  | 1  | 1  | 0  | 1  | 1  | 1  | 1  | 1  | 1  | 2  | 1  | 1  | 1  | 1           | 1  | 1   | 3  | 2  | 1  | 2  | 3  | 2  | **** | 3  | 1    |
| 17  | 2  | 2  | 2  | 2  | 3  | 3  | 2  | 3  | 4  | 3  | 3  | 2  | 4  | 2           | 1  | 2   | 2  | 2  | 1  | 3  | 4  | 3  | **** | 2  | 2    |
| 18  | 3  | 3  | 4  | 3  | 5  | 3  | 3  | 4  | 3  | 6  | 5  | 5  | 5  | 4           | 4  | 8   | 8  | 4  | 2  | 2  | 2  | 1  | **** | 3  | 4    |
| 19  | 2  | 2  | 2  | 2  | 2  | 3  | 2  | 8  | 14 | 14 | 16 | 19 | 14 | 17          | 22 | 18  | 8  | 5  | 4  | 8  | 10 | 9  | **** | 8  | 9    |
| 20  | 7  | 3  | 4  | 3  | 4  | 3  | 5  | 3  | 6  | 7  | 5  | 4  | 5  | 6           | 6  | 3   | 4  | 3  | 2  | 5  | 8  | 10 | **** | 6  | 5    |
| 21  | 3  | 3  | 2  | 2  | 2  | 2  | 9  | 10 | 14 | 23 | 18 | 14 | 9  | 6           | 8  | 9   | 11 | 20 | 31 | 10 | 8  | 16 | **** | 25 | 11   |
| 22  | 17 | 8  | 8  | 10 | 14 | 11 | 4  | 6  | 6  | 4  | 6  | 7  | 7  | 7           | 8  | 6   | 9  | 6  | 6  | 7  | 8  | 7  | **** | 7  | 8    |
| 23  | 4  | 4  | 3  | 2  | 2  | 3  | 6  | 5  | 9  | 13 | 40 | 20 | 16 | 5           | 6  | 7   | 3  | 5  | 27 | 15 | 25 | 9  | **** | 59 | 13   |
| 24  | 51 | 31 | 40 | 25 | 10 | 57 | 12 | 5  | 6  | 24 | 29 | 49 | 71 | 89          | 48 | 16  | 8  | 7  | 4  | 9  | 3  | 8  | **** | 25 | 27   |
| 25  | 14 | 23 | 59 | 57 | 71 | 43 | 47 | 38 | 27 | 13 | 11 | 7  | 8  | 6           | 3  | 3   | 8  | 16 | 9  | 5  | 4  | 5  | **** | 5  | 21   |
| 26  | 9  | 4  | 7  | 13 | 10 | 9  | 9  | 8  | 14 | 22 | 16 | 17 | 16 | 20          | 25 | 24  | 16 | 10 | 13 | 14 | 10 | 10 | **** | 12 | 13   |
| 27  | 7  | 8  | 10 | 14 | 13 | 14 | 12 | 11 | 13 | 16 | 19 | 16 | 12 | 14          | 11 | 10  | 10 | 11 | 14 | 25 | 17 | 8  | **** | 7  | 13   |
| 28  | 8  | 9  | 12 | 22 | 21 | 17 | 13 | 13 | 13 | 11 | 12 | 13 | 11 | 6           | 5  | 6   | 4  | 3  | 5  | 7  | 9  | 7  | **** | 2  | 10   |
| 29  | 2  | 1  | 1  | 5  | 5  | 6  | 5  | 4  | 7  | 5  | 4  | 3  | 3  | <--- D ---> | 2  | 2   | 1  | 1  | 1  | 1  | 3  | 8  | **** | 11 | 4    |
| 30  | 7  | 3  | 3  | 2  | 5  | 9  | 5  | 17 | 13 | 6  | 4  | 4  | 4  | 4           | 5  | 3   | 6  | 0  | 2  | 6  | 7  | 3  | **** | 7  | 5    |

MONTHLY STATISTICS:

| GEOM | ARITH  | <-----PERCENTILE-----> |    |    |    |    |    | <-----RANGE-----> |       |       |           | STD GEOM   | PERCENT | NO. OF TIMES ABOVE OBJECTIVE |   |
|------|--------|------------------------|----|----|----|----|----|-------------------|-------|-------|-----------|------------|---------|------------------------------|---|
| MEAN | MEDIAN | MEAN                   | 50 | 90 | 95 | 98 | 99 | 1-HR              | 24-HR | 24-HR | DEVIATION | VALID DATA | 1-HR    | 24-HR                        |   |
| 6    | 6      | 10                     | 6  | 22 | 31 | 54 | 68 | 0                 | - 106 | 1     | - 39      | 3          | 96      | 0                            | 0 |

- NOTES:
1. FLAGS FOR INVALID DATA :
    - \*\*\*\* : DAILY ZERO/SPAN CHECK
    - D : DYNAMIC CALIBRATION
    - T : TELEMETRY/DATALOGGR/ANALYZER FAULT
    - M : MAINTENANCE OR MACHINE SHUTDOWN
    - P : POWER FAILURE
  2. BRACKETED READINGS EXCEED 1-HR OBJECTIVE 800 OR 24-HR OBJECTIVE 350

