**Emission Inventory for Start Emissions (Interim Phase – Year 2030)**

| Bus Terminus | Source ID | Type | X (m) | Y (m) | Release Height (mAG) | Exit Temperature (K) | Exit Velocity (m/s) | Stack Diameter (m) | Length of X Side (m) | Length of Y Side (m) | Angle (degree) | Szinit (m) | Max. Hourly Emission Rate NO (g/s) | $NO_2$ (g/s) | RSP (g/m³/s) | FSP (g/m³/s) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Emission inside Terminus** | | | | | | | | | | | | | | | | |
| HGV Carpark at Ping Kwai Road | PKR101 | AREAPOLY | 818769.6 | 833514.8 | 0.0 | - | - | - | - | - | - | - | 5.471E-07 | 1.680E-07 | 1.344E-08 | 1.237E-08 |
| | | | 818774.2 | 833517.8 | | | | | | | | | | | | |
| | | | 818778.5 | 833511.9 | | | | | | | | | | | | |
| | | | 818773.7 | 833508.7 | | | | | | | | | | | | |
| | | | 818778.7 | 833501.8 | | | | | | | | | | | | |
| | | | 818740.7 | 833476.9 | | | | | | | | | | | | |
| | | | 818736.5 | 833483.4 | | | | | | | | | | | | |
| | | | 818728.2 | 833477.6 | | | | | | | | | | | | |
| | | | 818710.8 | 833504.2 | | | | | | | | | | | | |
| | | | 818719.0 | 833510.0 | | | | | | | | | | | | |
| | | | 818714.6 | 833516.5 | | | | | | | | | | | | |
| | | | 818759.9 | 833529.7 | | | | | | | | | | | | |
| HGV Carpark at Energy Industrial Centre | EIC101 | AREA | 818963.2 | 833365.8 | 0.0 | - | - | - | 3.97 | 54.19 | 31.88 | - | 1.291E-06 | 4.232E-07 | 5.202E-08 | 4.786E-08 |
| | EIC102 | AREA | 818963.2 | 833365.8 | 2.0 | | | | 3.97 | 54.19 | 31.88 | | 1.291E-06 | 4.232E-07 | 5.202E-08 | 4.786E-08 |
| | EIC103 | AREA | 818963.2 | 833365.8 | 4.0 | | | | 3.97 | 54.19 | 31.88 | | 1.291E-06 | 4.232E-07 | 5.202E-08 | 4.786E-08 |
| | EIC104 | AREA | 819001.3 | 833350.8 | 0.0 | | | | 1.01 | 11.76 | 31.38 | | 1.291E-06 | 4.232E-07 | 5.202E-08 | 4.786E-08 |
| | EIC105 | AREA | 819001.3 | 833350.8 | 2.0 | | | | 1.01 | 11.76 | 31.38 | | 1.291E-06 | 4.232E-07 | 5.202E-08 | 4.786E-08 |
| | EIC106 | AREA | 819001.3 | 833350.8 | 4.0 | | | | 1.01 | 11.76 | 31.38 | | 1.291E-06 | 4.232E-07 | 5.202E-08 | 4.786E-08 |
| HGV Carpark at Forefront Cyber Centre | FCC101 | AREA | 818814.6 | 833149.3 | 0.0 | - | - | - | 7.27 | 1.01 | 30.61 | - | 2.751E-05 | 9.524E-06 | 1.078E-06 | 9.917E-07 |
| | FCC102 | AREA | 818814.6 | 833149.3 | 3.0 | | | | 7.27 | 1.01 | 30.61 | | 2.751E-05 | 9.524E-06 | 1.078E-06 | 9.917E-07 |
| | FCC103 | AREA | 818814.6 | 833149.3 | 6.0 | | | | 7.27 | 1.01 | 30.61 | | 2.751E-05 | 9.524E-06 | 1.078E-06 | 9.917E-07 |
| Tan Kwai Tsuen Minibus PTI | TKT101 | AREA | 817798.3 | 831973.9 | 0.0 | - | - | - | 11.38 | 5.34 | 23.34 | - | 5.531E-06 | 5.004E-07 | 4.216E-08 | 4.084E-08 |
| Hung Fuk Estate Minibus PTI | HFE101 | AREAPOLY | 817718.9 | 833098.1 | 0.0 | - | - | - | - | - | - | - | 1.713E-05 | 2.228E-06 | 9.670E-08 | 9.468E-08 |
| | | | 817732.7 | 833066.5 | | | | | | | | | | | | |
| | | | 817733.4 | 833059.3 | | | | | | | | | | | | |
| | | | 817716.2 | 833097.1 | | | | | | | | | | | | |
| Hung Fuk Estate Bus PTI | HFE201 | AREA | 817896.3 | 833018.7 | 0.0 | - | - | - | 1.05 | 44.41 | 55.06 | - | 6.225E-05 | 4.192E-06 | 3.629E-07 | 3.376E-07 |
| | HFE202 | AREA | 817896.3 | 833018.7 | 1.5 | | | | 1.05 | 44.41 | 55.06 | | 6.225E-05 | 4.192E-06 | 3.629E-07 | 3.376E-07 |
| | HFE203 | AREA | 817896.3 | 833018.7 | 3.0 | | | | 1.05 | 44.41 | 55.06 | | 6.225E-05 | 4.192E-06 | 3.629E-07 | 3.376E-07 |
| | HFE204 | AREA | 817883.3 | 833037.3 | 0.0 | | | | 2.64 | 44.41 | 55.06 | | 6.225E-05 | 4.192E-06 | 3.629E-07 | 3.376E-07 |
| | HFE205 | AREA | 817883.3 | 833037.3 | 1.5 | | | | 2.64 | 44.41 | 55.06 | | 6.225E-05 | 4.192E-06 | 3.629E-07 | 3.376E-07 |
| | HFE206 | AREA | 817883.3 | 833037.3 | 3.0 | | | | 2.64 | 44.41 | 55.06 | | 6.225E-05 | 4.192E-06 | 3.629E-07 | 3.376E-07 |
| | HFE207 | AREA | 817884.8 | 833035.2 | 0.0 | | | | 20.06 | 1.06 | 55.04 | | 6.225E-05 | 4.192E-06 | 3.629E-07 | 3.376E-07 |
| | HFE208 | AREA | 817884.8 | 833035.2 | 3.0 | | | | 20.06 | 1.06 | 55.04 | | 6.225E-05 | 4.192E-06 | 3.629E-07 | 3.376E-07 |
| | HFE209 | AREA | 817884.8 | 833035.2 | 6.0 | | | | 20.06 | 1.06 | 55.04 | | 6.225E-05 | 4.192E-06 | 3.629E-07 | 3.376E-07 |
| | HFE210 | AREA | 817920.3 | 833060.0 | 0.0 | | | | 20.07 | 1.08 | 55.06 | | 6.225E-05 | 4.192E-06 | 3.629E-07 | 3.376E-07 |
| | HFE211 | AREA | 817920.3 | 833060.0 | 3.0 | | | | 20.07 | 1.08 | 55.06 | | 6.225E-05 | 4.192E-06 | 3.629E-07 | 3.376E-07 |
| | HFE212 | AREA | 817920.3 | 833060.0 | 6.0 | | | | 20.07 | 1.08 | 55.06 | | 6.225E-05 | 4.192E-06 | 3.629E-07 | 3.376E-07 |
| Hung Fuk Estate Bus PTI (Roadside) | HFE301 | AREAPOLY | 817897.9 | 833010.9 | 0.0 | - | - | - | - | - | - | - | 7.852E-05 | 5.287E-06 | 1.200E-06 | 1.138E-06 |
| | | | 817900.4 | 833013.8 | | | | | | | | | | | | |
| | | | 817901.2 | 833014.7 | | | | | | | | | | | | |
| | | | 817901.7 | 833015.3 | | | | | | | | | | | | |
| | | | 817903.3 | 833017.2 | | | | | | | | | | | | |
| | | | 817904.3 | 833018.3 | | | | | | | | | | | | |
| | | | 817905.5 | 833019.3 | | | | | | | | | | | | |
| | | | 817910.1 | 833022.5 | | | | | | | | | | | | |
| | | | 817912.5 | 833024.2 | | | | | | | | | | | | |
| | | | 817924.7 | 833032.7 | | | | | | | | | | | | |
| | | | 817925.4 | 833033.1 | | | | | | | | | | | | |
| | | | 817926.1 | 833033.4 | | | | | | | | | | | | |
| | | | 817932.1 | 833035.7 | | | | | | | | | | | | |
| | | | 817935.4 | 833037.0 | | | | | | | | | | | | |

Appendix 3.9 Emission Inventory for Emissions Associated with Bus and Minibus Termini, and Heavy Goods Vehicles and Coach Parking Sites

**Emission Inventory for Start Emissions (Interim Phase – Year 2030)**

| Bus Terminus | Source ID | Type | X (m) | Y (m) | Release Height (mAG) | Exit Temperature (K) | Exit Velocity (m/s) | Stack Diameter (m) | Length of X Side (m) | Length of Y Side (m) | Angle (degree) | Szinit (m) | Max. Hourly Emission Rate NO (g/s) | $NO_2$ (g/s) | RSP (g/m³/s) | FSP (g/m³/s) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MTR Bus Depot | HSK101 | AREAPOLY | 818027.8 | 832983.1 | 0.0 | - | - | - | - | - | - | - | 4.586E-06 | 3.290E-07 | 3.906E-08 | 3.613E-08 |
| | | | 818028.3 | 832981.6 | | | | | | | | | | | | |
| | | | 818028.4 | 832980.1 | | | | | | | | | | | | |
| | | | 818028.2 | 832978.5 | | | | | | | | | | | | |
| | | | 818027.7 | 832977.1 | | | | | | | | | | | | |
| | | | 818018.2 | 832969.7 | | | | | | | | | | | | |
| | | | 818024.7 | 832961.4 | | | | | | | | | | | | |
| | | | 817926.4 | 832881.3 | | | | | | | | | | | | |
| | | | 817922.2 | 832886.6 | | | | | | | | | | | | |
| | | | 817918.5 | 832883.9 | | | | | | | | | | | | |
| | | | 817901.0 | 832908.9 | | | | | | | | | | | | |
| | | | 817932.5 | 832933.7 | | | | | | | | | | | | |
| | | | 817939.9 | 832941.8 | | | | | | | | | | | | |
| | | | 817954.8 | 832950.6 | | | | | | | | | | | | |
| | | | 817964.5 | 832953.3 | | | | | | | | | | | | |
| | | | 817964.3 | 832963.5 | | | | | | | | | | | | |
| | | | 818014.9 | 832998.7 | | | | | | | | | | | | |
| Hung Shui Kiu (Hung Yuen Road) Bus PTI | HYR101 | AREAPOLY | 817870.3 | 832837.9 | 0.0 | - | - | - | - | - | - | - | 2.927E-05 | 1.975E-06 | 5.400E-07 | 5.006E-07 |
| | | | 817815.7 | 832912.3 | | | | | | | | | | | | |
| | | | 817821.4 | 832909.7 | | | | | | | | | | | | |
| | | | 817868.1 | 832845.4 | | | | | | | | | | | | |
| **Start Emission outside Terminus** | | | | | | | | | | | | | | | | |
| HGV Carpark at Ping Kwai Road | SE101 | AREAPOLY | 818772.8 | 833520.7 | 3.91 | - | - | - | - | - | - | 3.64 | 4.584E-07 | 1.270E-07 | 0.000E+00 | 0.000E+00 |
| | | | 818778.9 | 833524.4 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818785.8 | 833513.1 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818779.7 | 833509.3 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE102 | AREAPOLY | 818762.1 | 833541.6 | 3.91 | - | - | - | - | - | - | 3.64 | 4.654E-07 | 1.289E-07 | 0.000E+00 | 0.000E+00 |
| | | | 818773.5 | 833548.0 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818788.1 | 833521.9 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818776.6 | 833515.5 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE103 | AREAPOLY | 818881.6 | 833544.3 | 3.91 | - | - | - | - | - | - | 3.64 | 3.960E-07 | 1.097E-07 | 0.000E+00 | 0.000E+00 |
| | | | 818876.1 | 833529.9 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818849.6 | 833539.9 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818812.4 | 833540.4 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818768.4 | 833537.1 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818767.2 | 833552.4 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818811.6 | 833555.8 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818812.2 | 833555.8 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818851.2 | 833555.2 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818852.4 | 833555.1 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818853.7 | 833554.8 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE104 | AREAPOLY | 818925.3 | 833493.8 | 3.91 | - | - | - | - | - | - | 3.64 | 3.465E-07 | 9.597E-08 | 0.000E+00 | 0.000E+00 |
| | | | 818910.6 | 833484.1 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818892.0 | 833512.3 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818872.8 | 833530.8 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818885.0 | 833543.4 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818904.9 | 833524.3 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818905.6 | 833523.6 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818906.2 | 833522.8 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE105 | AREAPOLY | 819143.7 | 833623.2 | 3.91 | - | - | - | - | - | - | 3.64 | 1.996E-07 | 5.529E-08 | 0.000E+00 | 0.000E+00 |
| | | | 818922.4 | 833481.9 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818913.4 | 833496.0 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 819134.8 | 833637.4 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 819135.0 | 833637.5 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 819209.6 | 833682.0 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 819218.2 | 833667.6 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |

**Emission Inventory for Start Emissions (Interim Phase – Year 2030)**

| Bus Terminus | Source ID | Type | X (m) | Y (m) | Release Height (mAG) | Exit Temperature (K) | Exit Velocity (m/s) | Stack Diameter (m) | Length of X Side (m) | Length of Y Side (m) | Angle (degree) | Szinit (m) | Max. Hourly Emission Rate NO (g/s) | $NO_2$ (g/s) | RSP (g/m$^2$/s) | FSP (g/m$^2$/s) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HGV Carpark at Ping Kwai Road | SE106 | AREAPOLY | 819270.5 | 833691.5 | 3.91 | - | - | - | - | - | - | 3.64 | 2.122E-07 | 5.879E-08 | 0.000E+00 | 0.000E+00 |
| | | | 819217.2 | 833667.6 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 819210.7 | 833682.0 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 819264.0 | 833705.9 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE107 | AREAPOLY | 818936.1 | 833479.2 | 3.91 | - | - | - | - | - | - | 3.64 | 1.559E-07 | 4.318E-08 | 0.000E+00 | 0.000E+00 |
| | | | 818921.9 | 833468.7 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818910.8 | 833483.7 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818925.0 | 833494.2 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE108 | AREAPOLY | 818933.2 | 833467.2 | 3.91 | - | - | - | - | - | - | 3.64 | 1.534E-07 | 4.249E-08 | 0.000E+00 | 0.000E+00 |
| | | | 818829.5 | 833403.0 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818821.1 | 833416.5 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818924.8 | 833480.7 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE109 | AREAPOLY | 818829.0 | 833404.2 | 3.91 | - | - | - | - | - | - | 3.64 | 1.834E-07 | 5.080E-08 | 0.000E+00 | 0.000E+00 |
| | | | 818606.8 | 833256.1 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818599.4 | 833267.2 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818821.6 | 833415.3 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE110 | AREAPOLY | 818922.6 | 833469.0 | 3.91 | - | - | - | - | - | - | 3.64 | 1.882E-08 | 5.214E-09 | 0.000E+00 | 0.000E+00 |
| | | | 818935.4 | 833478.9 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818955.3 | 833452.9 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 819117.3 | 833351.3 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 819147.0 | 833334.1 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 819166.2 | 833329.4 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 819197.1 | 833331.0 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 819197.9 | 833314.8 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 819165.8 | 833313.2 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 819163.5 | 833313.4 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 819142.0 | 833318.7 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 819141.1 | 833318.9 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 819139.9 | 833319.5 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 819109.1 | 833337.4 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 819108.8 | 833337.5 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818945.5 | 833440.0 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818943.4 | 833441.9 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE111 | AREAPOLY | 819220.7 | 833254.6 | 3.91 | - | - | - | - | - | - | 3.64 | 1.859E-08 | 5.149E-09 | 0.000E+00 | 0.000E+00 |
| | | | 819204.7 | 833251.1 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 819189.5 | 833321.2 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 819205.5 | 833324.6 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| HGV Carpark at Energy Industrial Centre | SE201 | AREAPOLY | 819012.3 | 833358.5 | 3.91 | - | - | - | - | - | - | 3.64 | 1.325E-07 | 3.788E-08 | 0.000E+00 | 0.000E+00 |
| | | | 819005.6 | 833347.5 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 819001.0 | 833350.3 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 819007.7 | 833361.3 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE202 | AREAPOLY | 819040.4 | 833389.9 | 3.91 | - | - | - | - | - | - | 3.64 | 1.325E-07 | 3.788E-08 | 0.000E+00 | 0.000E+00 |
| | | | 819014.4 | 833349.5 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 819003.5 | 833356.5 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 819029.5 | 833396.9 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE203 | AREAPOLY | 818922.5 | 833469.0 | 3.91 | - | - | - | - | - | - | 3.64 | 1.049E-07 | 2.998E-08 | 0.000E+00 | 0.000E+00 |
| | | | 818935.5 | 833478.9 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818955.4 | 833452.9 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 819039.3 | 833400.3 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 819030.6 | 833386.5 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818945.5 | 833439.9 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818943.3 | 833441.9 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |

Appendix 3.9 Emission Inventory for Emissions Associated with Bus and Minibus Termini, and Heavy Goods Vehicles and Coach Parking Sites

**Emission Inventory for Start Emissions (Interim Phase – Year 2030)**

| Bus Terminus | Source ID | Type | X (m) | Y (m) | Release Height (mAG) | Exit Temperature (K) | Exit Velocity (m/s) | Stack Diameter (m) | Length of X Side (m) | Length of Y Side (m) | Angle (degree) | Szinit (m) | Max. Hourly Emission Rate NO (g/s) | $NO_2$ (g/s) | RSP (g/m$^2$/s) | FSP (g/m$^2$/s) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HGV Carpark at Energy Industrial Centre | SE204 | AREAPOLY | 818828.9 | 833404.2 | 3.91 | - | - | - | - | - | - | 3.64 | 5.216E-08 | 1.491E-08 | 0.000E+00 | 0.000E+00 |
| | | | 818555.9 | 833222.4 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818548.7 | 833233.3 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818821.7 | 833415.2 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818821.9 | 833415.3 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818925.6 | 833479.5 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818932.5 | 833468.4 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE205 | AREAPOLY | 818935.6 | 833478.8 | 3.91 | - | - | - | - | - | - | 3.64 | 6.294E-08 | 1.799E-08 | 0.000E+00 | 0.000E+00 |
| | | | 818922.5 | 833469.1 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818911.4 | 833484.1 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818924.5 | 833493.8 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE206 | AREAPOLY | 819143.8 | 833623.1 | 3.91 | - | - | - | - | - | - | 3.64 | 6.035E-08 | 1.725E-08 | 0.000E+00 | 0.000E+00 |
| | | | 818922.5 | 833481.8 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818913.3 | 833496.1 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 819134.8 | 833637.5 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 819135.0 | 833637.6 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 819209.6 | 833682.1 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 819210.5 | 833682.5 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 819284.9 | 833715.7 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 819291.8 | 833700.2 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 819217.9 | 833667.2 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| HGV Carpark at Forefront Cyber Centre | SE301 | AREAPOLY | 818858.6 | 833249.8 | 3.91 | - | - | - | - | - | - | 3.64 | 9.486E-08 | 2.911E-08 | 0.000E+00 | 0.000E+00 |
| | | | 818824.0 | 833145.4 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818811.4 | 833149.5 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818845.9 | 833254.0 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE302 | AREAPOLY | 818949.2 | 833227.6 | 3.91 | - | - | - | - | - | - | 3.64 | 9.486E-08 | 2.911E-08 | 0.000E+00 | 0.000E+00 |
| | | | 818943.4 | 833215.6 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818908.0 | 833232.7 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818850.8 | 833245.4 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818853.7 | 833258.4 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818911.6 | 833245.6 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818912.5 | 833245.3 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818913.1 | 833245.1 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE303 | AREAPOLY | 819008.4 | 833338.6 | 3.91 | - | - | - | - | - | - | 3.64 | 9.558E-08 | 2.933E-08 | 0.000E+00 | 0.000E+00 |
| | | | 818952.3 | 833218.8 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818940.3 | 833224.4 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818996.6 | 833344.5 | 3.91 | | | | | | | 3.64 | | | | |
| | | | 818996.9 | 833345.0 | 3.91 | | | | | | | 3.64 | | | | |
| | | | 818997.0 | 833345.1 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 819028.7 | 833397.4 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 819040.0 | 833390.5 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE304 | AREAPOLY | 819038.7 | 833400.9 | 3.91 | - | - | - | - | - | - | 3.64 | 7.741E-08 | 2.375E-08 | 0.000E+00 | 0.000E+00 |
| | | | 819030.0 | 833387.1 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818941.9 | 833442.5 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818941.0 | 833443.2 | 3.91 | | | | | | | 3.64 | | | | |
| | | | 818940.2 | 833443.9 | 3.91 | | | | | | | 3.64 | | | | |
| | | | 818939.5 | 833444.8 | 3.91 | | | | | | | 3.64 | | | | |
| | | | 818922.2 | 833470.3 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818935.6 | 833479.4 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818952.0 | 833455.4 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE305 | AREAPOLY | 818933.3 | 833468.2 | 3.91 | - | - | - | - | - | - | 3.64 | 3.174E-08 | 9.738E-09 | 0.000E+00 | 0.000E+00 |
| | | | 818839.5 | 833406.7 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818830.7 | 833420.0 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818924.6 | 833481.5 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |

**Emission Inventory for Start Emissions (Interim Phase – Year 2030)**

| Bus Terminus | Source ID | Type | X (m) | Y (m) | Release Height (mAG) | Exit Temperature (K) | Exit Velocity (m/s) | Stack Diameter (m) | Length of X Side (m) | Length of Y Side (m) | Angle (degree) | Szinit (m) | Max. Hourly Emission Rate NO (g/s) | $NO_2$ (g/s) | RSP (g/m$^2$/s) | FSP (g/m$^2$/s) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HGV Carpark at Forefront Cyber Centre | SE306 | AREAPOLY | 818935.7 | 833479.4 | 3.91 | - | - | - | - | - | - | 3.64 | 4.644E-08 | 1.425E-08 | 0.000E+00 | 0.000E+00 |
| | | | 818922.1 | 833470.3 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818912.6 | 833484.6 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818926.1 | 833493.7 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE307 | AREAPOLY | 819003.9 | 833533.1 | 3.91 | - | - | - | - | - | - | 3.64 | 4.453E-08 | 1.366E-08 | 0.000E+00 | 0.000E+00 |
| | | | 818923.9 | 833482.0 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818914.8 | 833496.3 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818994.7 | 833547.4 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| Hung Fuk Estate Minibus PTI (LPG) | SE401 | AREAPOLY | 817723.2 | 833054.4 | 2.55 | - | - | - | - | - | - | 2.37 | 1.219E-06 | 6.161E-09 | 0.000E+00 | 0.000E+00 |
| | | | 817723.4 | 833063.4 | 2.55 | - | - | - | - | - | - | 2.37 | | | | |
| | | | 817739.7 | 833063.0 | 2.55 | - | - | - | - | - | - | 2.37 | | | | |
| | | | 817739.6 | 833056.1 | 2.55 | - | - | - | - | - | - | 2.37 | | | | |
| | | | 817763.4 | 833009.7 | 2.55 | - | - | - | - | - | - | 2.37 | | | | |
| | | | 817805.2 | 832949.0 | 2.55 | - | - | - | - | - | - | 2.37 | | | | |
| | | | 817791.9 | 832939.8 | 2.55 | - | - | - | - | - | - | 2.37 | | | | |
| | | | 817749.3 | 833001.5 | 2.55 | - | - | - | - | - | - | 2.37 | | | | |
| | | | 817724.1 | 833050.5 | 2.55 | - | - | - | - | - | - | 2.37 | | | | |
| Hung Fuk Estate Minibus PTI (Diesel) | SE402 | AREAPOLY | 817723.2 | 833054.4 | 2.55 | - | - | - | - | - | - | 2.37 | 1.304E-07 | 5.070E-08 | 0.000E+00 | 0.000E+00 |
| | | | 817723.4 | 833063.4 | 2.55 | - | - | - | - | - | - | 2.37 | | | | |
| | | | 817739.7 | 833063.0 | 2.55 | - | - | - | - | - | - | 2.37 | | | | |
| | | | 817739.6 | 833056.1 | 2.55 | - | - | - | - | - | - | 2.37 | | | | |
| | | | 817763.4 | 833009.7 | 2.55 | - | - | - | - | - | - | 2.37 | | | | |
| | | | 817810.2 | 832941.8 | 2.55 | - | - | - | - | - | - | 2.37 | | | | |
| | | | 817796.8 | 832932.6 | 2.55 | - | - | - | - | - | - | 2.37 | | | | |
| | | | 817749.3 | 833001.5 | 2.55 | - | - | - | - | - | - | 2.37 | | | | |
| | | | 817724.1 | 833050.5 | 2.55 | - | - | - | - | - | - | 2.37 | | | | |
| | SE403 | AREA | 817807.8 | 832929.3 | 2.55 | - | - | - | - | - | - | 2.37 | 1.180E-07 | 4.587E-08 | 0.000E+00 | 0.000E+00 |
| | | | 817759.6 | 832903.0 | 2.55 | - | - | - | - | - | - | 2.37 | | | | |
| | | | 817751.0 | 832918.8 | 2.55 | - | - | - | - | - | - | 2.37 | | | | |
| | | | 817799.2 | 832945.1 | 2.55 | - | - | - | - | - | - | 2.37 | | | | |
| | SE404 | AREAPOLY | 817686.9 | 832870.8 | 5.55 | - | - | - | - | - | - | 2.37 | 1.593E-07 | 6.194E-08 | 0.000E+00 | 0.000E+00 |
| | | | 817643.1 | 832856.4 | 5.55 | - | - | - | - | - | - | 2.37 | | | | |
| | | | 817638.9 | 832869.0 | 5.55 | - | - | - | - | - | - | 2.37 | | | | |
| | | | 817682.5 | 832883.4 | 5.55 | - | - | - | - | - | - | 2.37 | | | | |
| | | | 817729.3 | 832902.7 | 5.55 | - | - | - | - | - | - | 2.37 | | | | |
| | | | 817752.8 | 832915.5 | 5.55 | - | - | - | - | - | - | 2.37 | | | | |
| | | | 817759.2 | 832903.8 | 5.55 | - | - | - | - | - | - | 2.37 | | | | |
| | | | 817735.4 | 832890.9 | 5.55 | - | - | - | - | - | - | 2.37 | | | | |
| | | | 817734.6 | 832890.5 | 5.55 | - | - | - | - | - | - | 2.37 | | | | |
| | | | 817687.4 | 832871.0 | 5.55 | - | - | - | - | - | - | 2.37 | | | | |
| | | | 817687.1 | 832870.9 | 5.55 | - | - | - | - | - | - | 2.37 | | | | |
| | SE405 | AREA | 817643.1 | 832856.4 | 2.55 | - | - | - | - | - | - | 2.37 | 1.303E-07 | 5.065E-08 | 0.000E+00 | 0.000E+00 |
| | | | 817617.8 | 832848.1 | 2.55 | - | - | - | - | - | - | 2.37 | | | | |
| | | | 817612.7 | 832863.5 | 2.55 | - | - | - | - | - | - | 2.37 | | | | |
| | | | 817638.0 | 832871.9 | 2.55 | - | - | - | - | - | - | 2.37 | | | | |
| | SE406 | AREA | 817617.8 | 832848.1 | 5.55 | - | - | - | - | - | - | 2.37 | 1.596E-07 | 6.208E-08 | 0.000E+00 | 0.000E+00 |
| | | | 817589.2 | 832838.6 | 5.55 | - | - | - | - | - | - | 2.37 | | | | |
| | | | 817585.1 | 832851.3 | 5.55 | - | - | - | - | - | - | 2.37 | | | | |
| | | | 817613.6 | 832860.7 | 5.55 | - | - | - | - | - | - | 2.37 | | | | |
| | SE407 | AREA | 817589.2 | 832838.6 | 2.55 | - | - | - | - | - | - | 2.37 | 1.303E-07 | 5.065E-08 | 0.000E+00 | 0.000E+00 |
| | | | 817570.6 | 832832.5 | 2.55 | - | - | - | - | - | - | 2.37 | | | | |
| | | | 817565.5 | 832848.0 | 2.55 | - | - | - | - | - | - | 2.37 | | | | |
| | | | 817584.1 | 832854.1 | 2.55 | - | - | - | - | - | - | 2.37 | | | | |
| | SE408 | AREA | 817599.6 | 832798.4 | 2.55 | - | - | - | - | - | - | 2.37 | 1.659E-07 | 6.450E-08 | 0.000E+00 | 0.000E+00 |
| | | | 817588.5 | 832792.0 | 2.55 | - | - | - | - | - | - | 2.37 | | | | |
| | | | 817562.5 | 832837.0 | 2.55 | - | - | - | - | - | - | 2.37 | | | | |
| | | | 817573.6 | 832843.4 | 2.55 | - | - | - | - | - | - | 2.37 | | | | |

Appendix 3.9 Emission Inventory for Emissions Associated with Bus and Minibus Termini, and Heavy Goods Vehicles and Coach Parking Sites

**Emission Inventory for Start Emissions (Interim Phase – Year 2030)**

| Bus Terminus | Source ID | Type | X (m) | Y (m) | Release Height (mAG) | Exit Temperature (K) | Exit Velocity (m/s) | Stack Diameter (m) | Length of X Side (m) | Length of Y Side (m) | Angle (degree) | Szinit (m) | Max. Hourly Emission Rate NO (g/s) | $NO_2$ (g/s) | RSP (g/m$^2$/s) | FSP (g/m$^2$/s) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hung Fuk Estate Minibus PTI (Diesel) | SE409 | AREAPOLY | 817600.0 | 832797.4 | 2.55 | - | - | - | - | - | - | 2.37 | 1.689E-07 | 6.567E-08 | 0.000E+00 | 0.000E+00 |
| | | | 817610.5 | 832769.2 | 2.55 | - | - | - | - | - | - | 2.37 | | | | |
| | | | 817639.2 | 832678.1 | 2.55 | - | - | - | - | - | - | 2.37 | | | | |
| | | | 817641.2 | 832662.8 | 2.55 | - | - | - | - | - | - | 2.37 | | | | |
| | | | 817676.9 | 832608.4 | 2.55 | - | - | - | - | - | - | 2.37 | | | | |
| | | | 817666.4 | 832601.5 | 2.55 | - | - | - | - | - | - | 2.37 | | | | |
| | | | 817629.8 | 832657.1 | 2.55 | - | - | - | - | - | - | 2.37 | | | | |
| | | | 817628.9 | 832659.7 | 2.55 | - | - | - | - | - | - | 2.37 | | | | |
| | | | 817626.8 | 832675.9 | 2.55 | - | - | - | - | - | - | 2.37 | | | | |
| | | | 817598.6 | 832764.9 | 2.55 | - | - | - | - | - | - | 2.37 | | | | |
| | | | 817588.2 | 832792.9 | 2.55 | - | - | - | - | - | - | 2.37 | | | | |
| | SE410 | AREA | 817684.2 | 832610.8 | 2.55 | - | - | - | - | - | - | 2.37 | 1.528E-07 | 5.940E-08 | 0.000E+00 | 0.000E+00 |
| | | | 817682.9 | 832596.9 | 2.55 | - | - | - | - | - | - | 2.37 | | | | |
| | | | 817671.0 | 832598.0 | 2.55 | - | - | - | - | - | - | 2.37 | | | | |
| | | | 817672.3 | 832611.9 | 2.55 | - | - | - | - | - | - | 2.37 | | | | |
| | SE411 | AREA | 817699.9 | 832605.0 | 2.55 | - | - | - | - | - | - | 2.37 | 1.303E-07 | 5.065E-08 | 0.000E+00 | 0.000E+00 |
| | | | 817688.1 | 832597.1 | 2.55 | - | - | - | - | - | - | 2.37 | | | | |
| | | | 817679.0 | 832610.6 | 2.55 | - | - | - | - | - | - | 2.37 | | | | |
| | | | 817690.9 | 832618.6 | 2.55 | - | - | - | - | - | - | 2.37 | | | | |
| Hung Fuk Estate Bus PTI | SE501 | AREA | 817957.2 | 833046.1 | 3.91 | - | - | - | - | - | - | 3.64 | 5.399E-07 | 4.320E-08 | 0.000E+00 | 0.000E+00 |
| | | | 817944.7 | 833036.8 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817941.6 | 833040.9 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817954.1 | 833050.3 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE502 | AREAPOLY | 817860.5 | 832967.3 | 3.91 | - | - | - | - | - | - | 3.64 | 1.996E-07 | 1.598E-08 | 0.000E+00 | 0.000E+00 |
| | | | 817853.0 | 832962.8 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817844.5 | 832976.7 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817851.8 | 832981.1 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817946.3 | 833048.1 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817955.7 | 833034.8 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817861.0 | 832967.6 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE503 | AREAPOLY | 817841.8 | 832953.6 | 3.91 | - | - | - | - | - | - | 3.64 | 1.603E-07 | 1.283E-08 | 0.000E+00 | 0.000E+00 |
| | | | 817809.9 | 832931.7 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817798.4 | 832948.4 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817830.5 | 832970.5 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817831.0 | 832970.8 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817843.5 | 832978.4 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817854.0 | 832961.0 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE504 | AREAPOLY | 817783.2 | 832916.5 | 3.91 | - | - | - | - | - | - | 3.64 | 1.996E-07 | 1.598E-08 | 0.000E+00 | 0.000E+00 |
| | | | 817755.4 | 832900.7 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817747.4 | 832914.9 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817774.9 | 832930.5 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817799.7 | 832946.9 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817808.7 | 832933.3 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817783.6 | 832916.8 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE505 | AREAPOLY | 817671.8 | 832866.6 | 6.91 | - | - | - | - | - | - | 3.64 | 2.447E-07 | 1.958E-08 | 0.000E+00 | 0.000E+00 |
| | | | 817647.2 | 832858.0 | 6.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817642.8 | 832870.6 | 6.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817667.3 | 832879.1 | 6.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817707.4 | 832894.8 | 6.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817748.6 | 832913.9 | 6.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817754.2 | 832901.8 | 6.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817712.8 | 832882.6 | 6.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817712.4 | 832882.4 | 6.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817672.0 | 832866.7 | 6.91 | - | - | - | - | - | - | 3.64 | | | | |

**Emission Inventory for Start Emissions (Interim Phase – Year 2030)**

| Bus Terminus | Source ID | Type | X (m) | Y (m) | Release Height (mAG) | Exit Temperature (K) | Exit Velocity (m/s) | Stack Diameter (m) | Length of X Side (m) | Length of Y Side (m) | Angle (degree) | Szinit (m) | Max. Hourly Emission Rate NO (g/s) | $NO_2$ (g/s) | RSP (g/m³/s) | FSP (g/m³/s) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hung Fuk Estate Bus PTI | SE506 | AREA | 817647.4 | 832856.5 | 3.91 | - | - | - | - | - | - | 3.64 | 2.027E-07 | 1.622E-08 | 0.000E+00 | 0.000E+00 |
| | | | 817618.2 | 832847.5 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817613.4 | 832863.1 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817642.6 | 832872.1 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE507 | AREA | 817617.8 | 832848.9 | 6.91 | - | - | - | - | - | - | 3.64 | 2.447E-07 | 1.958E-08 | 0.000E+00 | 0.000E+00 |
| | | | 817589.1 | 832839.9 | 6.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817585.1 | 832852.6 | 6.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817613.8 | 832861.6 | 6.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE508 | AREA | 817589.4 | 832838.5 | 3.91 | - | - | - | - | - | - | 3.64 | 1.996E-07 | 1.598E-08 | 0.000E+00 | 0.000E+00 |
| | | | 817574.3 | 832834.0 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817569.6 | 832849.6 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817584.8 | 832854.1 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE509 | AREAPOLY | 817588.2 | 832824.8 | 3.91 | - | - | - | - | - | - | 3.64 | 1.870E-07 | 1.497E-08 | 0.000E+00 | 0.000E+00 |
| | | | 817572.7 | 832816.8 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817567.5 | 832826.8 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817567.1 | 832827.9 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817566.9 | 832828.3 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817563.6 | 832839.2 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817580.3 | 832844.3 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817583.4 | 832834.1 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE510 | AREAPOLY | 817640.2 | 832669.4 | 3.91 | - | - | - | - | - | - | 3.64 | 2.583E-07 | 2.067E-08 | 0.000E+00 | 0.000E+00 |
| | | | 817627.8 | 832667.1 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817624.5 | 832684.6 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817596.3 | 832771.9 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817589.3 | 832791.2 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817581.3 | 832807.0 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817575.0 | 832817.6 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817585.9 | 832824.0 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817592.3 | 832813.2 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817592.4 | 832812.9 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817600.7 | 832796.6 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817601.0 | 832795.9 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817608.1 | 832776.1 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817608.2 | 832775.9 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817636.6 | 832688.1 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817636.8 | 832687.4 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE511 | AREAPOLY | 817655.9 | 832641.9 | 3.91 | - | - | - | - | - | - | 3.64 | 2.341E-07 | 1.873E-08 | 0.000E+00 | 0.000E+00 |
| | | | 817644.2 | 832634.3 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817633.7 | 832650.4 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817633.5 | 832650.8 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817633.0 | 832651.7 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817627.5 | 832665.7 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817640.5 | 832670.8 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817645.7 | 832657.4 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE512 | AREA | 817994.7 | 833062.3 | 3.91 | - | - | - | - | - | - | 3.64 | 3.170E-07 | 2.537E-08 | 0.000E+00 | 0.000E+00 |
| | | | 817955.7 | 833034.8 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817946.3 | 833048.1 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817985.2 | 833075.7 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE513 | AREAPOLY | 817994.5 | 833071.4 | 3.91 | - | - | - | - | - | - | 3.64 | 5.017E-07 | 4.015E-08 | 0.000E+00 | 0.000E+00 |
| | | | 817985.4 | 833066.6 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817961.9 | 833111.5 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817961.8 | 833111.8 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817948.8 | 833140.7 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817937.5 | 833165.3 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817946.8 | 833169.6 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817958.2 | 833144.9 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817971.1 | 833116.2 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |

Appendix 3.9 Emission Inventory for Emissions Associated with Bus and Minibus Termini, and Heavy Goods Vehicles and Coach Parking Sites

**Emission Inventory for Start Emissions (Interim Phase – Year 2030)**

| Bus Terminus | Source ID | Type | X (m) | Y (m) | Release Height (mAG) | Exit Temperature (K) | Exit Velocity (m/s) | Stack Diameter (m) | Length of X Side (m) | Length of Y Side (m) | Angle (degree) | Szinit (m) | Max. Hourly Emission Rate NO (g/s) | $NO_2$ (g/s) | RSP (g/m³/s) | FSP (g/m³/s) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hung Fuk Estate Bus PTI | SE514 | AREAPOLY | 817948.2 | 833170.3 | 3.91 | - | - | - | - | - | - | 3.64 | 3.856E-07 | 3.086E-08 | 0.000E+00 | 0.000E+00 |
| | | | 817936.1 | 833164.7 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817927.5 | 833183.2 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817927.4 | 833183.5 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817905.3 | 833238.3 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817905.2 | 833238.6 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817905.1 | 833239.1 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817898.8 | 833263.1 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817898.7 | 833263.2 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817881.9 | 833333.7 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817895.0 | 833336.8 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817911.7 | 833266.4 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817917.9 | 833243.0 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817939.8 | 833188.7 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE515 | AREA | 817889.9 | 833327.2 | 3.91 | - | - | - | - | - | - | 3.64 | 3.170E-07 | 2.537E-08 | 0.000E+00 | 0.000E+00 |
| | | | 817863.5 | 833322.6 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817860.7 | 833338.6 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817887.0 | 833343.3 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE516 | AREA | 817863.1 | 833325.6 | 6.91 | - | - | - | - | - | - | 3.64 | 5.017E-07 | 4.015E-08 | 0.000E+00 | 0.000E+00 |
| | | | 817693.6 | 833293.8 | 6.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817691.7 | 833303.9 | 6.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817861.2 | 833335.7 | 6.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE517 | AREA | 817694.2 | 833290.8 | 3.91 | - | - | - | - | - | - | 3.64 | 3.170E-07 | 2.537E-08 | 0.000E+00 | 0.000E+00 |
| | | | 817680.0 | 833288.2 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817676.9 | 833304.2 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817691.2 | 833306.9 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE518 | AREAPOLY | 817692.7 | 833193.0 | 3.91 | - | - | - | - | - | - | 3.64 | 3.170E-07 | 2.537E-08 | 0.000E+00 | 0.000E+00 |
| | | | 817676.5 | 833191.3 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817670.8 | 833244.6 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817670.8 | 833245.3 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817670.3 | 833296.1 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817686.6 | 833296.3 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817687.1 | 833245.9 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| Hung Fuk Estate Bus PTI (Roadside) | SE601 | AREA | 817953.8 | 833034.2 | 3.91 | - | - | - | - | - | - | 3.64 | 1.722E-07 | 1.331E-08 | 0.000E+00 | 0.000E+00 |
| | | | 817932.8 | 833026.0 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817927.1 | 833040.5 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817948.1 | 833048.8 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE602 | AREA | 817994.7 | 833062.3 | 3.91 | - | - | - | - | - | - | 3.64 | 1.648E-07 | 1.274E-08 | 0.000E+00 | 0.000E+00 |
| | | | 817955.7 | 833034.8 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817946.3 | 833048.1 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817985.2 | 833075.7 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE603 | AREAPOLY | 817994.5 | 833071.4 | 3.91 | - | - | - | - | - | - | 3.64 | 2.608E-07 | 2.016E-08 | 0.000E+00 | 0.000E+00 |
| | | | 817985.4 | 833066.6 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817961.9 | 833111.5 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817961.8 | 833111.8 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817948.8 | 833140.7 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817937.5 | 833165.3 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817946.8 | 833169.6 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817958.2 | 833144.9 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817971.1 | 833116.2 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |

**Emission Inventory for Start Emissions (Interim Phase – Year 2030)**

| Bus Terminus | Source ID | Type | X (m) | Y (m) | Release Height (mAG) | Exit Temperature (K) | Exit Velocity (m/s) | Stack Diameter (m) | Length of X Side (m) | Length of Y Side (m) | Angle (degree) | Szinit (m) | Max. Hourly Emission Rate NO (g/s) | $NO_2$ (g/s) | RSP (g/m²/s) | FSP (g/m²/s) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hung Fuk Estate Bus PTI (Roadside) | SE604 | AREAPOLY | 817948.2 | 833170.3 | 3.91 | - | - | - | - | - | - | 3.64 | 2.004E-07 | 1.550E-08 | 0.000E+00 | 0.000E+00 |
| | | | 817936.1 | 833164.7 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817927.5 | 833183.2 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817927.4 | 833183.5 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817905.3 | 833238.3 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817905.2 | 833238.6 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817905.1 | 833239.1 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817898.8 | 833263.1 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817898.7 | 833263.2 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817881.9 | 833333.7 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817895.0 | 833336.8 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817911.7 | 833266.4 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817917.9 | 833243.0 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817939.8 | 833188.7 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE605 | AREA | 817889.9 | 833327.2 | 3.91 | - | - | - | - | - | - | 3.64 | 2.966E-08 | 2.293E-09 | 0.000E+00 | 0.000E+00 |
| | | | 817863.5 | 833322.6 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817860.7 | 833338.6 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817887.0 | 833343.3 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE606 | AREA | 817863.1 | 833325.6 | 3.91 | - | - | - | - | - | - | 3.64 | 4.694E-08 | 3.629E-09 | 0.000E+00 | 0.000E+00 |
| | | | 817693.6 | 833293.8 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817691.7 | 833303.9 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817861.2 | 833335.7 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE607 | AREA | 817694.2 | 833290.8 | 3.91 | - | - | - | - | - | - | 3.64 | 2.966E-08 | 2.293E-09 | 0.000E+00 | 0.000E+00 |
| | | | 817680.0 | 833288.2 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817677.0 | 833304.2 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817691.2 | 833306.9 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE608 | AREAPOLY | 817694.2 | 833185.0 | 3.91 | - | - | - | - | - | - | 3.64 | 2.966E-08 | 2.293E-09 | 0.000E+00 | 0.000E+00 |
| | | | 817678.2 | 833181.9 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817676.5 | 833190.6 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817676.5 | 833191.3 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817670.8 | 833244.6 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817670.8 | 833245.3 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817670.3 | 833296.1 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817686.6 | 833296.3 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817687.1 | 833245.9 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817692.6 | 833193.3 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE609 | AREA | 817964.6 | 833332.6 | 3.91 | - | - | - | - | - | - | 3.64 | 8.809E-08 | 6.811E-09 | 0.000E+00 | 0.000E+00 |
| | | | 817890.7 | 833322.9 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817887.4 | 833347.7 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817961.4 | 833357.4 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE610 | AREAPOLY | 818024.1 | 833102.5 | 3.91 | - | - | - | - | - | - | 3.64 | 1.534E-07 | 1.186E-08 | 0.000E+00 | 0.000E+00 |
| | | | 818011.8 | 833097.5 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818008.6 | 833105.3 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818000.8 | 833122.3 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818000.6 | 833122.8 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817992.4 | 833145.7 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817992.3 | 833146.1 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817986.6 | 833165.9 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817982.2 | 833182.3 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817995.1 | 833185.7 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817999.4 | 833169.4 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818005.0 | 833150.0 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818013.1 | 833127.6 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818020.7 | 833110.7 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818020.9 | 833110.4 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |

Appendix 3.9 Emission Inventory for Emissions Associated with Bus and Minibus Termini, and Heavy Goods Vehicles and Coach Parking Sites

**Emission Inventory for Start Emissions (Interim Phase – Year 2030)**

| Bus Terminus | Source ID | Type | X (m) | Y (m) | Release Height (mAG) | Exit Temperature (K) | Exit Velocity (m/s) | Stack Diameter (m) | Length of X Side (m) | Length of Y Side (m) | Angle (degree) | Szinit (m) | Max. Hourly Emission Rate NO (g/s) | $NO_2$ (g/s) | RSP (g/m²/s) | FSP (g/m²/s) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hung Fuk Estate Bus PTI (Roadside) | SE611 | AREAPOLY | 817995.1 | 833185.7 | 3.91 | - | - | - | - | - | - | 3.64 | 1.656E-07 | 1.280E-08 | 0.000E+00 | 0.000E+00 |
| | | | 817982.2 | 833182.3 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817981.2 | 833186.4 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817981.1 | 833186.7 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817975.6 | 833211.2 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817975.6 | 833211.5 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817971.2 | 833235.6 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817966.9 | 833262.0 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817980.0 | 833264.1 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817984.3 | 833237.9 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817988.6 | 833214.0 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817994.0 | 833189.7 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE612 | AREAPOLY | 817980.0 | 833264.0 | 3.91 | - | - | - | - | - | - | 3.64 | 1.788E-07 | 1.382E-08 | 0.000E+00 | 0.000E+00 |
| | | | 817966.9 | 833262.1 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817960.5 | 833305.6 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817960.4 | 833305.8 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817955.8 | 833344.1 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817969.0 | 833345.7 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817973.6 | 833307.4 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| MTR Bus Depot | SE701 | AREA | 818051.9 | 832977.9 | 3.91 | - | - | - | - | - | - | 3.64 | 1.674E-04 | 3.957E-08 | 0.000E+00 | 0.000E+00 |
| | | | 818026.6 | 832958.8 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818018.3 | 832969.8 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818043.6 | 832988.9 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE702 | AREA | 818053.2 | 832987.3 | 3.91 | - | - | - | - | - | - | 3.64 | 4.852E-07 | 4.109E-08 | 0.000E+00 | 0.000E+00 |
| | | | 818042.3 | 832979.6 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817999.2 | 833040.1 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818010.1 | 833047.8 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE703 | AREAPOLY | 818009.1 | 833046.6 | 3.91 | - | - | - | - | - | - | 3.64 | 6.266E-07 | 5.306E-08 | 0.000E+00 | 0.000E+00 |
| | | | 818000.2 | 833041.4 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817985.7 | 833066.4 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817985.5 | 833066.6 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817961.9 | 833111.5 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817961.8 | 833111.8 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817928.9 | 833183.9 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817938.3 | 833188.1 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817971.1 | 833116.2 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817994.6 | 833071.5 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE704 | AREA | 817939.8 | 833188.5 | 3.91 | - | - | - | - | - | - | 3.64 | 4.816E-07 | 4.079E-08 | 0.000E+00 | 0.000E+00 |
| | | | 817927.4 | 833183.5 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817905.3 | 833238.3 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817917.8 | 833243.3 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE705 | AREAPOLY | 817918.0 | 833242.6 | 3.91 | - | - | - | - | - | - | 3.64 | 4.816E-07 | 4.079E-08 | 0.000E+00 | 0.000E+00 |
| | | | 817905.1 | 833239.1 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817898.8 | 833263.1 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817898.7 | 833263.2 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817881.9 | 833333.7 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817895.0 | 833336.8 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817911.7 | 833266.4 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE706 | AREA | 817895.2 | 833335.5 | 3.91 | - | - | - | - | - | - | 3.64 | 4.816E-07 | 4.079E-08 | 0.000E+00 | 0.000E+00 |
| | | | 817881.8 | 833334.9 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817880.9 | 833353.4 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817894.3 | 833354.0 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE707 | AREA | 817896.9 | 833374.7 | 3.91 | - | - | - | - | - | - | 3.64 | 4.889E-07 | 4.141E-08 | 0.000E+00 | 0.000E+00 |
| | | | 817894.2 | 833352.9 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817881.1 | 833354.6 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817883.8 | 833376.4 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |

**Emission Inventory for Start Emissions (Interim Phase – Year 2030)**

| Bus Terminus | Source ID | Type | X (m) | Y (m) | Release Height (mAG) | Exit Temperature (K) | Exit Velocity (m/s) | Stack Diameter (m) | Length of X Side (m) | Length of Y Side (m) | Angle (degree) | Szinit (m) | Max. Hourly Emission Rate NO (g/s) or (g/m²/s) | $NO_2$ | RSP | FSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MTR Bus Depot | SE708 | AREA | 817910.7 | 833497.3 | 8.41 | - | - | - | - | - | - | 3.64 | 6.327E-07 | 5.358E-08 | 0.000E+00 | 0.000E+00 |
| | | | 817895.4 | 833374.9 | 8.41 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817885.3 | 833376.2 | 8.41 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817900.6 | 833498.6 | 8.41 | - | - | - | - | - | - | 3.64 | | | | |
| | SE709 | AREA | 817914.2 | 833512.3 | 10.61 | - | - | - | - | - | - | 3.64 | 4.888E-07 | 4.139E-08 | 0.000E+00 | 0.000E+00 |
| | | | 817912.3 | 833497.1 | 10.61 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817899.2 | 833498.8 | 10.61 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817901.1 | 833514.0 | 10.61 | - | - | - | - | - | - | 3.64 | | | | |
| | SE710 | AREA | 818057.1 | 832979.3 | 3.91 | - | - | - | - | - | - | 3.64 | 1.097E-07 | 9.290E-09 | 0.000E+00 | 0.000E+00 |
| | | | 818026.3 | 832958.6 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818018.6 | 832970.0 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818049.4 | 832990.7 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE711 | AREA | 818080.8 | 832995.4 | 3.91 | - | - | - | - | - | - | 3.64 | 1.138E-07 | 9.640E-09 | 0.000E+00 | 0.000E+00 |
| | | | 818057.0 | 832979.5 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818049.6 | 832990.5 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818073.4 | 833006.4 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE712 | AREAPOLY | 818100.6 | 832979.4 | 3.91 | - | - | - | - | - | - | 3.64 | 9.157E-08 | 7.755E-09 | 0.000E+00 | 0.000E+00 |
| | | | 818121.5 | 832954.7 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818135.4 | 832959.5 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818140.9 | 832943.9 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818121.6 | 832937.1 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818120.2 | 832936.7 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818118.7 | 832936.6 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818117.3 | 832936.8 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818115.9 | 832937.1 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818114.6 | 832937.7 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818113.5 | 832938.6 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818112.5 | 832939.6 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818087.5 | 832969.1 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818086.9 | 832970.0 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818070.1 | 832996.4 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818084.1 | 833005.3 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE713 | AREAPOLY | 818198.4 | 832987.7 | 3.91 | - | - | - | - | - | - | 3.64 | 1.147E-07 | 9.713E-09 | 0.000E+00 | 0.000E+00 |
| | | | 818142.0 | 832946.4 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818134.2 | 832957.0 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818190.7 | 832998.4 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818249.6 | 833040.6 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818304.1 | 833081.0 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818304.4 | 833081.2 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818362.3 | 833120.0 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818415.5 | 833156.1 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818422.9 | 833145.1 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818369.7 | 833109.0 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818311.8 | 833070.3 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818257.4 | 833029.9 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE714 | AREA | 818505.1 | 833201.1 | 3.91 | - | - | - | - | - | - | 3.64 | 1.147E-07 | 9.713E-09 | 0.000E+00 | 0.000E+00 |
| | | | 818422.9 | 833145.1 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818415.5 | 833156.1 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818497.6 | 833212.0 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |

Appendix 3.9 Emission Inventory for Emissions Associated with Bus and Minibus Termini, and Heavy Goods Vehicles and Coach Parking Sites

**Emission Inventory for Start Emissions (Interim Phase – Year 2030)**

| Bus Terminus | Source ID | Type | X (m) | Y (m) | Release Height (mAG) | Exit Temperature (K) | Exit Velocity (m/s) | Stack Diameter (m) | Length of X Side (m) | Length of Y Side (m) | Angle (degree) | Szinit (m) | Max. Hourly Emission Rate NO (g/s) or (g/m²/s) | $NO_2$ | RSP | FSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hung Shui Kiu (Hung Yuen Road) Bus PTI | SE801 | AREA | 817826.6 | 832919.9 | 3.91 | - | - | - | - | - | - | 3.64 | 2.512E-07 | 1.969E-08 | 0.000E+00 | 0.000E+00 |
| | | | 817813.2 | 832910.7 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817796.5 | 832934.8 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817810.0 | 832944.1 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE802 | AREAPOLY | 817841.8 | 832953.6 | 3.91 | - | - | - | - | - | - | 3.64 | 2.017E-07 | 1.581E-08 | 0.000E+00 | 0.000E+00 |
| | | | 817809.0 | 832931.1 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817797.5 | 832947.8 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817830.5 | 832970.5 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817831.0 | 832970.8 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817843.7 | 832978.6 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817854.3 | 832961.2 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE803 | AREAPOLY | 817860.5 | 832967.3 | 3.91 | - | - | - | - | - | - | 3.64 | 2.512E-07 | 1.969E-08 | 0.000E+00 | 0.000E+00 |
| | | | 817853.3 | 832962.9 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817844.8 | 832976.9 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817851.8 | 832981.1 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817910.3 | 833022.5 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817985.8 | 833076.0 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817995.2 | 833062.7 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817919.7 | 833009.2 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817860.9 | 832967.6 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE804 | AREAPOLY | 817996.4 | 833072.5 | 3.91 | - | - | - | - | - | - | 3.64 | 3.078E-07 | 2.413E-08 | 0.000E+00 | 0.000E+00 |
| | | | 817984.7 | 833066.2 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817960.0 | 833112.2 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817959.8 | 833112.6 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817944.0 | 833147.8 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817936.2 | 833164.2 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817948.3 | 833169.9 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817956.1 | 833153.3 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817971.8 | 833118.2 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE805 | AREAPOLY | 817948.3 | 833169.9 | 3.91 | - | - | - | - | - | - | 3.64 | 3.078E-07 | 2.413E-08 | 0.000E+00 | 0.000E+00 |
| | | | 817936.2 | 833164.3 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817927.5 | 833183.1 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817927.4 | 833183.4 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817916.0 | 833211.2 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817905.3 | 833238.3 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817905.2 | 833238.5 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817905.0 | 833239.1 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817899.0 | 833262.5 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817881.9 | 833333.5 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817894.9 | 833336.6 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817911.9 | 833265.7 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817917.8 | 833242.9 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817928.4 | 833216.2 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817939.6 | 833188.6 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE806 | AREA | 817963.4 | 833332.4 | 3.91 | - | - | - | - | - | - | 3.64 | 1.638E-07 | 1.284E-08 | 0.000E+00 | 0.000E+00 |
| | | | 817890.0 | 833322.7 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817886.8 | 833347.5 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817960.1 | 833357.2 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE807 | AREA | 817973.4 | 833309.0 | 3.91 | - | - | - | - | - | - | 3.64 | 3.078E-07 | 2.413E-08 | 0.000E+00 | 0.000E+00 |
| | | | 817960.2 | 833307.2 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817955.2 | 833343.9 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817968.4 | 833345.7 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |

## Routing of Start Emission on Open Road

| Terminus | Source ID | Travel Distance outside Bus Terminus (m) | Area ($m^2$) | % of Flow | Max. Hourly Emission Rate (g/s) | | Max. Hourly Emission Rate ($g/m^2/s$) | |
|---|---|---|---|---|---|---|---|---|
| | | | | | NO | $NO_2$ | NO | $NO_2$ |
| HGV Carpark at Ping Kwai Road | SE101 | 7 | 95 | 100% | 4.353E-05 | 1.206E-05 | 4.584E-07 | 1.270E-07 |
| | SE102 | 30 | 391 | 100% | 1.818E-04 | 5.035E-05 | 4.654E-07 | 1.289E-07 |
| | SE103 | 113 | 1741 | 100% | 6.894E-04 | 1.910E-04 | 3.960E-07 | 1.097E-07 |
| | SE104 | 62 | 1098 | 100% | 3.804E-04 | 1.054E-04 | 3.465E-07 | 9.597E-08 |
| | SE105 | 350 | 5872 | 55% | 1.172E-03 | 3.247E-04 | 1.996E-07 | 5.529E-08 |
| | SE106 | 58 | 923 | 55% | 1.960E-04 | 5.430E-05 | 2.122E-07 | 5.879E-08 |
| | SE107 | 19 | 329 | 45% | 5.121E-05 | 1.419E-05 | 1.559E-07 | 4.318E-08 |
| | SE108 | 122 | 1939 | 40% | 2.974E-04 | 8.239E-05 | 1.534E-07 | 4.249E-08 |
| | SE109 | 267 | 3551 | 40% | 6.512E-04 | 1.804E-04 | 1.834E-07 | 5.080E-08 |
| | SE110 | 317 | 5132 | 5% | 9.658E-05 | 2.675E-05 | 1.882E-08 | 5.214E-09 |
| | SE111 | 72 | 1175 | 5% | 2.185E-05 | 6.052E-06 | 1.859E-08 | 5.149E-09 |
| HGV Carpark at Energy Industrial Centre | SE201 | 5 | 69 | 100% | 9.188E-06 | 2.626E-06 | 1.325E-07 | 3.788E-08 |
| | SE202 | 48 | 620 | 100% | 8.219E-05 | 2.349E-05 | 1.325E-07 | 3.788E-08 |
| | SE203 | 135 | 2195 | 100% | 2.303E-04 | 6.581E-05 | 1.049E-07 | 2.998E-08 |
| | SE204 | 450 | 5900 | 40% | 3.078E-04 | 8.795E-05 | 5.216E-08 | 1.491E-08 |
| | SE205 | 19 | 304 | 60% | 1.915E-05 | 5.472E-06 | 6.294E-08 | 1.799E-08 |
| | SE206 | 431 | 7327 | 60% | 4.422E-04 | 1.264E-04 | 6.035E-08 | 1.725E-08 |
| HGV Carpark at Forefront Cyber Centre | SE301 | 110 | 1464 | 100% | 1.388E-04 | 4.260E-05 | 9.486E-08 | 2.911E-08 |
| | SE302 | 99 | 1323 | 100% | 1.255E-04 | 3.849E-05 | 9.486E-08 | 2.911E-08 |
| | SE303 | 194 | 2558 | 100% | 2.445E-04 | 7.502E-05 | 9.558E-08 | 2.933E-08 |
| | SE304 | 135 | 2199 | 100% | 1.702E-04 | 5.222E-05 | 7.741E-08 | 2.375E-08 |
| | SE305 | 112 | 1784 | 40% | 5.662E-05 | 1.737E-05 | 3.174E-08 | 9.738E-09 |
| | SE306 | 17 | 280 | 60% | 1.302E-05 | 3.995E-06 | 4.644E-08 | 1.425E-08 |
| | SE307 | 95 | 1613 | 60% | 7.183E-05 | 2.204E-05 | 4.453E-08 | 1.366E-08 |
| Hung Fuk Estate Minibus PTI (Minibus - LPG) | SE401 | 138 | 2244 | 100% | 2.736E-03 | 1.383E-05 | 1.219E-06 | 6.161E-09 |
| Hung Fuk Estate Minibus PTI (Minibus - Diesel) | SE402 | 147 | 2389 | 100% | 3.116E-04 | 1.212E-04 | 1.304E-07 | 5.070E-08 |
| | SE403 | 55 | 989 | 100% | 1.167E-04 | 4.538E-05 | 1.180E-07 | 4.587E-08 |
| | SE404 | 124 | 1655 | 100% | 2.637E-04 | 1.025E-04 | 1.593E-07 | 6.194E-08 |
| | SE405 | 27 | 434 | 100% | 5.652E-05 | 2.198E-05 | 1.303E-07 | 5.065E-08 |
| | SE406 | 30 | 400 | 100% | 6.383E-05 | 2.482E-05 | 1.596E-07 | 6.208E-08 |
| | SE407 | 20 | 320 | 100% | 4.172E-05 | 1.622E-05 | 1.303E-07 | 5.065E-08 |
| | SE408 | 52 | 666 | 100% | 1.105E-04 | 4.298E-05 | 1.659E-07 | 6.450E-08 |
| | SE409 | 208 | 2609 | 100% | 4.407E-04 | 1.713E-04 | 1.689E-07 | 6.567E-08 |
| | SE410 | 12 | 166 | 100% | 2.539E-05 | 9.873E-06 | 1.528E-07 | 5.940E-08 |
| | SE411 | 14 | 233 | 100% | 3.034E-05 | 1.180E-05 | 1.303E-07 | 5.065E-08 |
| Hung Fuk Estate Bus PTI | SE501 | 5 | 81 | 100% | 4.355E-05 | 3.485E-06 | 5.399E-07 | 4.320E-08 |
| | SE502 | 125 | 2036 | 39% | 4.065E-04 | 3.253E-05 | 1.996E-07 | 1.598E-08 |
| | SE503 | 54 | 1087 | 39% | 1.742E-04 | 1.394E-05 | 1.603E-07 | 1.283E-08 |
| | SE504 | 62 | 1009 | 39% | 2.013E-04 | 1.611E-05 | 1.996E-07 | 1.598E-08 |
| | SE505 | 115 | 1531 | 39% | 3.745E-04 | 2.997E-05 | 2.447E-07 | 1.958E-08 |
| | SE506 | 31 | 498 | 39% | 1.009E-04 | 8.072E-06 | 2.027E-07 | 1.622E-08 |
| | SE507 | 30 | 400 | 39% | 9.790E-05 | 7.834E-06 | 2.447E-07 | 1.958E-08 |
| | SE508 | 16 | 257 | 39% | 5.139E-05 | 4.113E-06 | 1.996E-07 | 1.598E-08 |
| | SE509 | 23 | 395 | 39% | 7.386E-05 | 5.911E-06 | 1.870E-07 | 1.497E-08 |
| | SE510 | 162 | 2045 | 39% | 5.282E-04 | 4.227E-05 | 2.583E-07 | 2.067E-08 |
| | SE511 | 34 | 477 | 39% | 1.118E-04 | 8.945E-06 | 2.341E-07 | 1.873E-08 |
| | SE512 | 48 | 778 | 61% | 2.466E-04 | 1.974E-05 | 3.170E-07 | 2.537E-08 |
| | SE513 | 110 | 1128 | 61% | 5.659E-04 | 4.529E-05 | 5.017E-07 | 4.015E-08 |
| | SE514 | 177 | 2368 | 61% | 9.131E-04 | 7.307E-05 | 3.856E-07 | 3.086E-08 |
| | SE515 | 27 | 436 | 61% | 1.381E-04 | 1.105E-05 | 3.170E-07 | 2.537E-08 |
| | SE516 | 172 | 1776 | 61% | 8.909E-04 | 7.130E-05 | 5.017E-07 | 4.015E-08 |
| | SE517 | 14 | 236 | 61% | 7.482E-05 | 5.988E-06 | 3.170E-07 | 2.537E-08 |
| | SE518 | 104 | 1701 | 61% | 5.393E-04 | 4.316E-05 | 3.170E-07 | 2.537E-08 |
| Hung Fuk Estate Bus PTI (Roadside) | SE601 | 23 | 353 | 100% | 6.070E-05 | 4.693E-06 | 1.722E-07 | 1.331E-08 |
| | SE602 | 48 | 778 | 100% | 1.282E-04 | 9.910E-06 | 1.648E-07 | 1.274E-08 |
| | SE603 | 110 | 1128 | 100% | 2.941E-04 | 2.274E-05 | 2.608E-07 | 2.016E-08 |
| | SE604 | 177 | 2368 | 100% | 4.746E-04 | 3.669E-05 | 2.004E-07 | 1.550E-08 |
| | SE605 | 27 | 436 | 18% | 1.292E-05 | 9.988E-07 | 2.966E-08 | 2.293E-09 |
| | SE606 | 172 | 1776 | 18% | 8.335E-05 | 6.444E-06 | 4.694E-08 | 3.629E-09 |
| | SE607 | 14 | 236 | 18% | 7.000E-06 | 5.412E-07 | 2.966E-08 | 2.293E-09 |
| | SE608 | 113 | 1844 | 18% | 5.471E-05 | 4.229E-06 | 2.966E-08 | 2.293E-09 |
| | SE609 | 75 | 1865 | 82% | 1.643E-04 | 1.270E-05 | 8.809E-08 | 6.811E-09 |
| | SE610 | 83 | 1186 | 82% | 1.819E-04 | 1.406E-05 | 1.534E-07 | 1.186E-08 |
| | SE611 | 81 | 1071 | 82% | 1.774E-04 | 1.372E-05 | 1.656E-07 | 1.280E-08 |
| | SE612 | 89 | 1098 | 82% | 1.964E-04 | 1.518E-05 | 1.788E-07 | 1.382E-08 |
| MTR Bus Depot | SE701 | 32 | 438 | 81% | 7.329E-02 | 1.733E-05 | 1.674E-04 | 3.957E-08 |
| | SE702 | 74 | 989 | 81% | 4.798E-04 | 4.064E-05 | 4.852E-07 | 4.109E-08 |
| | SE703 | 159 | 1637 | 81% | 1.025E-03 | 8.684E-05 | 6.266E-07 | 5.306E-08 |
| | SE704 | 59 | 792 | 81% | 3.817E-04 | 3.232E-05 | 4.816E-07 | 4.079E-08 |
| | SE705 | 97 | 1302 | 81% | 6.272E-04 | 5.311E-05 | 4.816E-07 | 4.079E-08 |
| | SE706 | 19 | 248 | 81% | 1.195E-04 | 1.012E-05 | 4.816E-07 | 4.079E-08 |
| | SE707 | 22 | 290 | 81% | 1.417E-04 | 1.200E-05 | 4.889E-07 | 4.141E-08 |
| | SE708 | 123 | 1258 | 81% | 7.961E-04 | 6.742E-05 | 6.327E-07 | 5.358E-08 |
| | SE709 | 15 | 202 | 81% | 9.887E-05 | 8.373E-06 | 4.888E-07 | 4.139E-08 |
| | SE710 | 37 | 513 | 19% | 5.626E-05 | 4.765E-06 | 1.097E-07 | 9.290E-09 |
| | SE711 | 29 | 381 | 19% | 4.333E-05 | 3.669E-06 | 1.138E-07 | 9.640E-09 |
| | SE712 | 90 | 1495 | 19% | 1.369E-04 | 1.159E-05 | 9.157E-08 | 7.755E-09 |
| | SE713 | 344 | 4546 | 19% | 5.214E-04 | 4.416E-05 | 1.147E-07 | 9.713E-09 |
| | SE714 | 99 | 1312 | 19% | 1.505E-04 | 1.274E-05 | 1.147E-07 | 9.713E-09 |
| Hung Shui Kiu (Hung Yuen Road) Bus PTI | SE801 | 29 | 478 | 100% | 1.200E-04 | 9.409E-06 | 2.512E-07 | 1.969E-08 |
| | SE802 | 55 | 1116 | 100% | 2.252E-04 | 1.765E-05 | 2.017E-07 | 1.581E-08 |
| | SE803 | 173 | 2820 | 100% | 7.083E-04 | 5.553E-05 | 2.512E-07 | 1.969E-08 |
| | SE804 | 109 | 1450 | 100% | 4.462E-04 | 3.499E-05 | 3.078E-07 | 2.413E-08 |
| | SE805 | 177 | 2354 | 100% | 7.246E-04 | 5.681E-05 | 3.078E-07 | 2.413E-08 |
| | SE806 | 74 | 1850 | 100% | 3.030E-04 | 2.375E-05 | 1.638E-07 | 1.284E-08 |
| | SE807 | 37 | 492 | 100% | 1.515E-04 | 1.188E-05 | 3.078E-07 | 2.413E-08 |

## Appendix 3.9 Emission Inventory for Emissions Associated with Bus and Minibus Termini, and Heavy Goods Vehicles and Coach Parking Sites

### Calculation of Idling Emission Factor

**PLB (Diesel)**

$NO/NO_2$ Ratio [1] = 2.57 From EMFAC

| | Population | Idling Emission Factor | | | | | | Average Idling Emission Factor (g/min) | | | | | | Mass Factor | AC Factor [7] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Cold Idling | | | Hot Idling | | | Cold Idling | | | Hot Idling | | | | |
| | % | NOx (g/s) [2] [3] | PM (g/hr) [4] | NOx (g/hr) [5] | PM (g/hr) [6] | | | NOx | NO | $NO_2$ | PM [8] | NOx | NO | $NO_2$ | PM [8] | | |
| Euro VI | 86% | 0.0010 | 0.02 | 1.28 | 0.02 | | | 6.000E-02 | 4.320E-02 | 1.680E-02 | 4.333E-04 | 3.472E-02 | 2.500E-02 | 9.723E-03 | 4.333E-04 | - | 1.3 |
| Euro V | 14% | 0.0010 | 0.02 | 3.60 | 0.02 | | | | | | | | | | | | |
| Euro IV | 0% | 0.0010 | 0.16 | 3.62 | 0.16 | | | | | | | | | | | | |

**PLB (LPG)**

$NO/NO_2$ Ratio [1] = 198.31 From EMFAC

| | Population | Idling Emission Factor | | | | | | Average Idling Emission Factor (g/min) | | | | | | Mass Factor | AC Factor [7] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Cold Idling | | | Hot Idling | | | Cold Idling | | | Hot Idling | | | | |
| | % | NOx (g/s) [2] | PM (g/hr) [4] | NOx (g/hr) [9] | PM (g/hr) [10] | | | NOx | NO | $NO_2$ | PM [8] | NOx | NO | $NO_2$ | PM [8] | | |
| Euro V | 94% | 0.0039 | 0.02 | 14.04 | 0.02 | | | 2.437E-01 | 2.425E-01 | 1.223E-03 | 5.680E-04 | 3.168E-01 | 3.152E-01 | 1.589E-03 | 5.680E-04 | - | 1.3 |
| Euro IV | 3% | 0.0039 | 0.16 | 14.04 | 0.16 | | | | | | | | | | | | |
| Euro III | 3% | 0.0092 | 0.10 | 33.12 | 0.10 | | | | | | | | | | | | |

**FBDD**

$NO/NO_2$ Ratio [1] = 14.88 From EMFAC

| | Population | Idling Emission Factor | | | | | | Average Idling Emission Factor (g/min) | | | | | | Mass Factor [13] | AC Factor [7] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Cold Idling | | Hot Idling | | | | Cold Idling | | | Hot Idling | | | | |
| | % | NOx (g/s) [2] | PM (g/hr) [4] | NOx (g/hr) [11] | PM (g/hr) [12] | | | NOx | NO | $NO_2$ | PM [8] | NOx | NO | $NO_2$ | PM [8] | | |
| Euro VI | 36% | 0.0225 | 0.01 | 1.75 | 0.01 | | | 6.412E+00 | 6.008E+00 | 4.039E-01 | 1.767E-03 | 2.123E-01 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.2 | 1.3 |
| Euro V | 64% | 0.1535 | 0.10 | 11.71 | 0.10 | | | | | | | | | | | | |
| Euro IV | 0% | 0.1535 | 0.20 | 7.51 | 0.20 | | | | | | | | | | | | |

**FBSD**

$NO/NO_2$ Ratio [1] = 5.52 From EMFAC

| | Population | Idling Emission Factor | | | | | | Average Idling Emission Factor (g/min) | | | | | | Mass Factor [13] | AC Factor [7] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Cold Idling | | Hot Idling | | | | Cold Idling | | | Hot Idling | | | | |
| | % | NOx (g/s) [2] | PM (g/hr) [4] | NOx (g/hr) [11] | PM (g/hr) [12] | | | NOx | NO | $NO_2$ | PM [8] | NOx | NO | $NO_2$ | PM [8] | | |
| Euro VI | 81% | 0.0077 | 0.01 | 1.75 | 0.01 | | | 9.211E-01 | 7.797E-01 | 1.414E-01 | 7.110E-04 | 9.541E-02 | 8.077E-02 | 1.464E-02 | 7.110E-04 | 1.2 | 1.3 |
| Euro V | 19% | 0.0474 | 0.10 | 11.71 | 0.10 | | | | | | | | | | | | |
| Euro IV | 0% | 0.0573 | 0.20 | 7.51 | 0.20 | | | | | | | | | | | | |

Remarks

[1] $NO/NO_2$ ratio, at the respective running speed, was calculated based on emisison factors extracted from EMFAC-HK.
[2] NOx cold idling emission factors was referenced to *Calculation of Start Emissions in Air Quality Impact Assessment* published by EPD.
[3] Due to the lack of information, NOx cold idling emission factor for Euro IV to Euro V PLB(Diesel) was referenced to the corresponding hot idling emission factor.
[4] Due to the lack of information, RSP cold idling emission factor was referenced to the corresponding hot idling emission factor.
[5] Reference made to Table 42 of *Road Tunnels: Vehicle Emissions and Air Demand for Ventilation (VEADV) published by World Road Association* (*VEADV*) .
[6] Reference made to Table 43 of *VEADV*.
[7] Reference made to the approved *Lantang / Heung Yuen Wai Boundary Control Point and Associated Works EIA Report*.
[8] All TSP (PM) emissions were assumed for RSP and FSP as a conservative approach.
[9] Due to the lack of information, NOx hot idling emission factor for PLB(LPG) was referenced to the corresponding cold idling emission factor from *Calculation of Start Emissions in Air Quality Impact Assessment* published by EPD.
[10] Due to the lack of information, RSP hot idling emission factor for PLB(LPG) was referenced to hot idling emission factor for PLB(Diesel).
[11] Reference made to Table 45 of VEADV.
[12] Reference made to Table 46 of VEADV.
[13] Reference made to Table 27 of VEADV.

## HGV Carpark at Ping Kwai Road

**Running Emission**

| | | |
|---|---|---|
| Average Travelling Distance within Parking Site = | 139 | m |
| Average Travelling Speed = | 10 | km/h |

**Running Emission - Heavy Goods Vehicles <=15t**

| Hour | Frequency | Running Emission Factor (g/km·vehicle) | | | | | Running Emission Within Parking Site (g) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP |
| 0000 - 0100 | 0.0 | 1.834E+00 | 8.307E-01 | 7.660E-02 | 7.050E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0100 - 0200 | 0.0 | 1.834E+00 | 8.307E-01 | 7.660E-02 | 7.050E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0200 - 0300 | 0.0 | 1.834E+00 | 8.307E-01 | 7.660E-02 | 7.050E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0300 - 0400 | 0.0 | 1.834E+00 | 8.307E-01 | 7.660E-02 | 7.050E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0400 - 0500 | 0.0 | 1.834E+00 | 8.307E-01 | 7.660E-02 | 7.050E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0500 - 0600 | 0.0 | 1.834E+00 | 8.307E-01 | 7.660E-02 | 7.050E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0600 - 0700 | 2.0 | 1.834E+00 | 8.307E-01 | 7.660E-02 | 7.050E-02 | | 5.099E-01 | 2.309E-01 | 2.129E-02 | 1.960E-02 | |
| 0700 - 0800 | 1.0 | 1.834E+00 | 8.307E-01 | 7.660E-02 | 7.050E-02 | | 2.550E-01 | 1.155E-01 | 1.065E-02 | 9.800E-03 | |
| 0800 - 0900 | 2.0 | 1.834E+00 | 8.307E-01 | 7.660E-02 | 7.050E-02 | | 5.099E-01 | 2.309E-01 | 2.129E-02 | 1.960E-02 | |
| 0900 - 1000 | 1.0 | 1.834E+00 | 8.307E-01 | 7.660E-02 | 7.050E-02 | | 2.550E-01 | 1.155E-01 | 1.065E-02 | 9.800E-03 | |
| 1000 - 1100 | 0.0 | 1.834E+00 | 8.307E-01 | 7.660E-02 | 7.050E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1100 - 1200 | 2.0 | 1.834E+00 | 8.307E-01 | 7.660E-02 | 7.050E-02 | | 5.099E-01 | 2.309E-01 | 2.129E-02 | 1.960E-02 | |
| 1200 - 1300 | 0.0 | 1.834E+00 | 8.307E-01 | 7.660E-02 | 7.050E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1300 - 1400 | 1.0 | 1.834E+00 | 8.307E-01 | 7.660E-02 | 7.050E-02 | | 2.550E-01 | 1.155E-01 | 1.065E-02 | 9.800E-03 | |
| 1400 - 1500 | 0.0 | 1.834E+00 | 8.307E-01 | 7.660E-02 | 7.050E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1500 - 1600 | 0.0 | 1.834E+00 | 8.307E-01 | 7.660E-02 | 7.050E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1600 - 1700 | 0.0 | 1.834E+00 | 8.307E-01 | 7.660E-02 | 7.050E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1700 - 1800 | 0.0 | 1.834E+00 | 8.307E-01 | 7.660E-02 | 7.050E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1800 - 1900 | 0.0 | 1.834E+00 | 8.307E-01 | 7.660E-02 | 7.050E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1900 - 2000 | 0.0 | 1.834E+00 | 8.307E-01 | 7.660E-02 | 7.050E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2000 - 2100 | 0.0 | 1.834E+00 | 8.307E-01 | 7.660E-02 | 7.050E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2100 - 2200 | 0.0 | 1.834E+00 | 8.307E-01 | 7.660E-02 | 7.050E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2200 - 2300 | 0.0 | 1.834E+00 | 8.307E-01 | 7.660E-02 | 7.050E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2300 - 2400 | 0.0 | 1.834E+00 | 8.307E-01 | 7.660E-02 | 7.050E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |

**Running Emission - Heavy Goods Vehicles 15-24t**

| Hour | Frequency | Running Emission Factor (g/km·vehicle) | | | | | Running Emission Within Parking Site (g) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP |
| 0000 - 0100 | 0.0 | 3.694E+00 | 1.272E+00 | 1.502E-01 | 1.382E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0100 - 0200 | 0.0 | 3.694E+00 | 1.272E+00 | 1.502E-01 | 1.382E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0200 - 0300 | 0.0 | 3.694E+00 | 1.272E+00 | 1.502E-01 | 1.382E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0300 - 0400 | 1.0 | 3.694E+00 | 1.272E+00 | 1.502E-01 | 1.382E-01 | | 5.135E-01 | 1.767E-01 | 2.088E-02 | 1.921E-02 | |
| 0400 - 0500 | 0.0 | 3.694E+00 | 1.272E+00 | 1.502E-01 | 1.382E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0500 - 0600 | 0.0 | 3.694E+00 | 1.272E+00 | 1.502E-01 | 1.382E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0600 - 0700 | 0.0 | 3.694E+00 | 1.272E+00 | 1.502E-01 | 1.382E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0700 - 0800 | 1.0 | 3.694E+00 | 1.272E+00 | 1.502E-01 | 1.382E-01 | | 5.135E-01 | 1.767E-01 | 2.088E-02 | 1.921E-02 | |
| 0800 - 0900 | 0.0 | 3.694E+00 | 1.272E+00 | 1.502E-01 | 1.382E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0900 - 1000 | 0.0 | 3.694E+00 | 1.272E+00 | 1.502E-01 | 1.382E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1000 - 1100 | 0.0 | 3.694E+00 | 1.272E+00 | 1.502E-01 | 1.382E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1100 - 1200 | 0.0 | 3.694E+00 | 1.272E+00 | 1.502E-01 | 1.382E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1200 - 1300 | 0.0 | 3.694E+00 | 1.272E+00 | 1.502E-01 | 1.382E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1300 - 1400 | 0.0 | 3.694E+00 | 1.272E+00 | 1.502E-01 | 1.382E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1400 - 1500 | 0.0 | 3.694E+00 | 1.272E+00 | 1.502E-01 | 1.382E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1500 - 1600 | 1.0 | 3.694E+00 | 1.272E+00 | 1.502E-01 | 1.382E-01 | | 5.135E-01 | 1.767E-01 | 2.088E-02 | 1.921E-02 | |
| 1600 - 1700 | 0.0 | 3.694E+00 | 1.272E+00 | 1.502E-01 | 1.382E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1700 - 1800 | 0.0 | 3.694E+00 | 1.272E+00 | 1.502E-01 | 1.382E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1800 - 1900 | 0.0 | 3.694E+00 | 1.272E+00 | 1.502E-01 | 1.382E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1900 - 2000 | 0.0 | 3.694E+00 | 1.272E+00 | 1.502E-01 | 1.382E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2000 - 2100 | 0.0 | 3.694E+00 | 1.272E+00 | 1.502E-01 | 1.382E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2100 - 2200 | 0.0 | 3.694E+00 | 1.272E+00 | 1.502E-01 | 1.382E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2200 - 2300 | 0.0 | 3.694E+00 | 1.272E+00 | 1.502E-01 | 1.382E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2300 - 2400 | 0.0 | 3.694E+00 | 1.272E+00 | 1.502E-01 | 1.382E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |

**Running Emission - Heavy Goods Vehicles >24t**

| Hour | Frequency | Running Emission Factor (g/km·vehicle) | | | | | Running Emission Within Parking Site (g) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP |
| 0000 - 0100 | 0.0 | 4.279E+00 | 1.306E+00 | 1.783E-01 | 1.640E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0100 - 0200 | 0.0 | 4.279E+00 | 1.306E+00 | 1.783E-01 | 1.640E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0200 - 0300 | 0.0 | 4.279E+00 | 1.306E+00 | 1.783E-01 | 1.640E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0300 - 0400 | 0.0 | 4.279E+00 | 1.306E+00 | 1.783E-01 | 1.640E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0400 - 0500 | 0.0 | 4.279E+00 | 1.306E+00 | 1.783E-01 | 1.640E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0500 - 0600 | 0.0 | 4.279E+00 | 1.306E+00 | 1.783E-01 | 1.640E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0600 - 0700 | 0.0 | 4.279E+00 | 1.306E+00 | 1.783E-01 | 1.640E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0700 - 0800 | 3.0 | 4.279E+00 | 1.306E+00 | 1.783E-01 | 1.640E-01 | | 1.784E+00 | 5.448E-01 | 7.435E-02 | 6.839E-02 | |
| 0800 - 0900 | 0.0 | 4.279E+00 | 1.306E+00 | 1.783E-01 | 1.640E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0900 - 1000 | 0.0 | 4.279E+00 | 1.306E+00 | 1.783E-01 | 1.640E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1000 - 1100 | 0.0 | 4.279E+00 | 1.306E+00 | 1.783E-01 | 1.640E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1100 - 1200 | 0.0 | 4.279E+00 | 1.306E+00 | 1.783E-01 | 1.640E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1200 - 1300 | 0.0 | 4.279E+00 | 1.306E+00 | 1.783E-01 | 1.640E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1300 - 1400 | 0.0 | 4.279E+00 | 1.306E+00 | 1.783E-01 | 1.640E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1400 - 1500 | 1.0 | 4.279E+00 | 1.306E+00 | 1.783E-01 | 1.640E-01 | | 5.948E-01 | 1.816E-01 | 2.478E-02 | 2.280E-02 | |
| 1500 - 1600 | 0.0 | 4.279E+00 | 1.306E+00 | 1.783E-01 | 1.640E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1600 - 1700 | 0.0 | 4.279E+00 | 1.306E+00 | 1.783E-01 | 1.640E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1700 - 1800 | 0.0 | 4.279E+00 | 1.306E+00 | 1.783E-01 | 1.640E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1800 - 1900 | 0.0 | 4.279E+00 | 1.306E+00 | 1.783E-01 | 1.640E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1900 - 2000 | 0.0 | 4.279E+00 | 1.306E+00 | 1.783E-01 | 1.640E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2000 - 2100 | 0.0 | 4.279E+00 | 1.306E+00 | 1.783E-01 | 1.640E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2100 - 2200 | 0.0 | 4.279E+00 | 1.306E+00 | 1.783E-01 | 1.640E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2200 - 2300 | 0.0 | 4.279E+00 | 1.306E+00 | 1.783E-01 | 1.640E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2300 - 2400 | 0.0 | 4.279E+00 | 1.306E+00 | 1.783E-01 | 1.640E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |

**Total Hourly Emission**

| Hour | Emission Within Parking Site | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Total Emission (g) (Running + Starting) | | | | | Total Emission Rate (g/s) | | | | |
| | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP |
| 0000 - 0100 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0100 - 0200 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0200 - 0300 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0300 - 0400 | 9.597E-01 | 3.037E-01 | 2.088E-02 | 1.921E-02 | | 2.666E-04 | 8.437E-05 | 5.799E-06 | 5.336E-06 | |
| 0400 - 0500 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0500 - 0600 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0600 - 0700 | 1.040E+00 | 4.794E-01 | 2.129E-02 | 1.960E-02 | | 2.888E-04 | 1.332E-04 | 5.915E-06 | 5.444E-06 | |
| 0700 - 0800 | 4.309E+00 | 1.323E+00 | 1.059E-01 | 9.740E-02 | | 1.197E-03 | 3.676E-04 | 2.941E-05 | 2.705E-05 | |
| 0800 - 0900 | 1.040E+00 | 4.794E-01 | 2.129E-02 | 1.960E-02 | | 2.888E-04 | 1.332E-04 | 5.915E-06 | 5.444E-06 | |
| 0900 - 1000 | 2.632E-01 | 1.194E-01 | 1.065E-02 | 9.800E-03 | | 7.312E-05 | 3.315E-05 | 2.958E-06 | 2.722E-06 | |
| 1000 - 1100 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1100 - 1200 | 5.182E-01 | 2.348E-01 | 2.129E-02 | 1.960E-02 | | 1.439E-04 | 6.523E-05 | 5.915E-06 | 5.444E-06 | |
| 1200 - 1300 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1300 - 1400 | 2.632E-01 | 1.194E-01 | 1.065E-02 | 9.800E-03 | | 7.312E-05 | 3.315E-05 | 2.958E-06 | 2.722E-06 | |
| 1400 - 1500 | 6.101E-01 | 1.853E-01 | 2.478E-02 | 2.280E-02 | | 1.695E-04 | 5.148E-05 | 6.884E-06 | 6.332E-06 | |
| 1500 - 1600 | 5.274E-01 | 1.807E-01 | 2.088E-02 | 1.921E-02 | | 1.465E-04 | 5.020E-05 | 5.799E-06 | 5.336E-06 | |
| 1600 - 1700 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1700 - 1800 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1800 - 1900 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1900 - 2000 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2000 - 2100 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2100 - 2200 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2200 - 2300 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2300 - 2400 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |

## HGV Carpark at Energy Industrial Centre

**Running Emission**

| | | |
|---|---|---|
| Average Travelling Distance within Parking Site = | 124 | m |
| Average Travelling Speed = | 8 | km/h |

**Running Emission - Heavy Goods Vehicles <=15t**

| Hour | Frequency | Running Emission Factor (g/km·vehicle) | | | | | Running Emission Within Parking Site (g) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP |
| 0000 - 0100 | 1.0 | 2.048E+00 | 9.273E-01 | 9.130E-02 | 8.400E-02 | | 2.539E-01 | 1.150E-01 | 1.132E-02 | 1.042E-02 | |
| 0100 - 0200 | 0.0 | 2.048E+00 | 9.273E-01 | 9.130E-02 | 8.400E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0200 - 0300 | 1.0 | 2.048E+00 | 9.273E-01 | 9.130E-02 | 8.400E-02 | | 2.539E-01 | 1.150E-01 | 1.132E-02 | 1.042E-02 | |
| 0300 - 0400 | 1.0 | 2.048E+00 | 9.273E-01 | 9.130E-02 | 8.400E-02 | | 2.539E-01 | 1.150E-01 | 1.132E-02 | 1.042E-02 | |
| 0400 - 0500 | 1.0 | 2.048E+00 | 9.273E-01 | 9.130E-02 | 8.400E-02 | | 2.539E-01 | 1.150E-01 | 1.132E-02 | 1.042E-02 | |
| 0500 - 0600 | 0.0 | 2.048E+00 | 9.273E-01 | 9.130E-02 | 8.400E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0600 - 0700 | 0.0 | 2.048E+00 | 9.273E-01 | 9.130E-02 | 8.400E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0700 - 0800 | 0.0 | 2.048E+00 | 9.273E-01 | 9.130E-02 | 8.400E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0800 - 0900 | 0.0 | 2.048E+00 | 9.273E-01 | 9.130E-02 | 8.400E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0900 - 1000 | 2.0 | 2.048E+00 | 9.273E-01 | 9.130E-02 | 8.400E-02 | | 5.078E-01 | 2.300E-01 | 2.264E-02 | 2.083E-02 | |
| 1000 - 1100 | 0.0 | 2.048E+00 | 9.273E-01 | 9.130E-02 | 8.400E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1100 - 1200 | 3.0 | 2.048E+00 | 9.273E-01 | 9.130E-02 | 8.400E-02 | | 7.617E-01 | 3.450E-01 | 3.396E-02 | 3.125E-02 | |
| 1200 - 1300 | 0.0 | 2.048E+00 | 9.273E-01 | 9.130E-02 | 8.400E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1300 - 1400 | 1.0 | 2.048E+00 | 9.273E-01 | 9.130E-02 | 8.400E-02 | | 2.539E-01 | 1.150E-01 | 1.132E-02 | 1.042E-02 | |
| 1400 - 1500 | 0.0 | 2.048E+00 | 9.273E-01 | 9.130E-02 | 8.400E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1500 - 1600 | 1.0 | 2.048E+00 | 9.273E-01 | 9.130E-02 | 8.400E-02 | | 2.539E-01 | 1.150E-01 | 1.132E-02 | 1.042E-02 | |
| 1600 - 1700 | 0.0 | 2.048E+00 | 9.273E-01 | 9.130E-02 | 8.400E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1700 - 1800 | 1.0 | 2.048E+00 | 9.273E-01 | 9.130E-02 | 8.400E-02 | | 2.539E-01 | 1.150E-01 | 1.132E-02 | 1.042E-02 | |
| 1800 - 1900 | 0.0 | 2.048E+00 | 9.273E-01 | 9.130E-02 | 8.400E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1900 - 2000 | 0.0 | 2.048E+00 | 9.273E-01 | 9.130E-02 | 8.400E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2000 - 2100 | 0.0 | 2.048E+00 | 9.273E-01 | 9.130E-02 | 8.400E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2100 - 2200 | 0.0 | 2.048E+00 | 9.273E-01 | 9.130E-02 | 8.400E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2200 - 2300 | 0.0 | 2.048E+00 | 9.273E-01 | 9.130E-02 | 8.400E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2300 - 2400 | 0.0 | 2.048E+00 | 9.273E-01 | 9.130E-02 | 8.400E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |

**Running Emission - Heavy Goods Vehicles 15-24t**

| Hour | Frequency | Running Emission Factor (g/km·vehicle) | | | | | Running Emission Within Parking Site (g) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP |
| 0000 - 0100 | 0.0 | 3.976E+00 | 1.316E+00 | 1.714E-01 | 1.577E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0100 - 0200 | 0.0 | 3.976E+00 | 1.316E+00 | 1.714E-01 | 1.577E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0200 - 0300 | 0.0 | 3.976E+00 | 1.316E+00 | 1.714E-01 | 1.577E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0300 - 0400 | 0.0 | 3.976E+00 | 1.316E+00 | 1.714E-01 | 1.577E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0400 - 0500 | 1.0 | 3.976E+00 | 1.316E+00 | 1.714E-01 | 1.577E-01 | | 4.931E-01 | 1.631E-01 | 2.125E-02 | 1.955E-02 | |
| 0500 - 0600 | 0.0 | 3.976E+00 | 1.316E+00 | 1.714E-01 | 1.577E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0600 - 0700 | 0.0 | 3.976E+00 | 1.316E+00 | 1.714E-01 | 1.577E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0700 - 0800 | 0.0 | 3.976E+00 | 1.316E+00 | 1.714E-01 | 1.577E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0800 - 0900 | 0.0 | 3.976E+00 | 1.316E+00 | 1.714E-01 | 1.577E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0900 - 1000 | 1.0 | 3.976E+00 | 1.316E+00 | 1.714E-01 | 1.577E-01 | | 4.931E-01 | 1.631E-01 | 2.125E-02 | 1.955E-02 | |
| 1000 - 1100 | 1.0 | 3.976E+00 | 1.316E+00 | 1.714E-01 | 1.577E-01 | | 4.931E-01 | 1.631E-01 | 2.125E-02 | 1.955E-02 | |
| 1100 - 1200 | 1.0 | 3.976E+00 | 1.316E+00 | 1.714E-01 | 1.577E-01 | | 4.931E-01 | 1.631E-01 | 2.125E-02 | 1.955E-02 | |
| 1200 - 1300 | 1.0 | 3.976E+00 | 1.316E+00 | 1.714E-01 | 1.577E-01 | | 4.931E-01 | 1.631E-01 | 2.125E-02 | 1.955E-02 | |
| 1300 - 1400 | 2.0 | 3.976E+00 | 1.316E+00 | 1.714E-01 | 1.577E-01 | | 9.861E-01 | 3.263E-01 | 4.251E-02 | 3.911E-02 | |
| 1400 - 1500 | 6.0 | 3.976E+00 | 1.316E+00 | 1.714E-01 | 1.577E-01 | | 2.958E+00 | 9.789E-01 | 1.275E-01 | 1.173E-01 | |
| 1500 - 1600 | 0.0 | 3.976E+00 | 1.316E+00 | 1.714E-01 | 1.577E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1600 - 1700 | 1.0 | 3.976E+00 | 1.316E+00 | 1.714E-01 | 1.577E-01 | | 4.931E-01 | 1.631E-01 | 2.125E-02 | 1.955E-02 | |
| 1700 - 1800 | 1.0 | 3.976E+00 | 1.316E+00 | 1.714E-01 | 1.577E-01 | | 4.931E-01 | 1.631E-01 | 2.125E-02 | 1.955E-02 | |
| 1800 - 1900 | 1.0 | 3.976E+00 | 1.316E+00 | 1.714E-01 | 1.577E-01 | | 4.931E-01 | 1.631E-01 | 2.125E-02 | 1.955E-02 | |
| 1900 - 2000 | 0.0 | 3.976E+00 | 1.316E+00 | 1.714E-01 | 1.577E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2000 - 2100 | 1.0 | 3.976E+00 | 1.316E+00 | 1.714E-01 | 1.577E-01 | | 4.931E-01 | 1.631E-01 | 2.125E-02 | 1.955E-02 | |
| 2100 - 2200 | 0.0 | 3.976E+00 | 1.316E+00 | 1.714E-01 | 1.577E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2200 - 2300 | 0.0 | 3.976E+00 | 1.316E+00 | 1.714E-01 | 1.577E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2300 - 2400 | 0.0 | 3.976E+00 | 1.316E+00 | 1.714E-01 | 1.577E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |

**Running Emission - Heavy Goods Vehicles >24t**

| Hour | Frequency | Running Emission Factor (g/km·vehicle) | | | | | Running Emission Within Parking Site (g) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP |
| 0000 - 0100 | 0.0 | 4.691E+00 | 1.371E+00 | 2.038E-01 | 1.875E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0100 - 0200 | 0.0 | 4.691E+00 | 1.371E+00 | 2.038E-01 | 1.875E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0200 - 0300 | 0.0 | 4.691E+00 | 1.371E+00 | 2.038E-01 | 1.875E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0300 - 0400 | 0.0 | 4.691E+00 | 1.371E+00 | 2.038E-01 | 1.875E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0400 - 0500 | 0.0 | 4.691E+00 | 1.371E+00 | 2.038E-01 | 1.875E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0500 - 0600 | 0.0 | 4.691E+00 | 1.371E+00 | 2.038E-01 | 1.875E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0600 - 0700 | 0.0 | 4.691E+00 | 1.371E+00 | 2.038E-01 | 1.875E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0700 - 0800 | 1.0 | 4.691E+00 | 1.371E+00 | 2.038E-01 | 1.875E-01 | | 5.817E-01 | 1.700E-01 | 2.527E-02 | 2.325E-02 | |
| 0800 - 0900 | 2.0 | 4.691E+00 | 1.371E+00 | 2.038E-01 | 1.875E-01 | | 1.163E+00 | 3.400E-01 | 5.054E-02 | 4.650E-02 | |
| 0900 - 1000 | 0.0 | 4.691E+00 | 1.371E+00 | 2.038E-01 | 1.875E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1000 - 1100 | 0.0 | 4.691E+00 | 1.371E+00 | 2.038E-01 | 1.875E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1100 - 1200 | 0.0 | 4.691E+00 | 1.371E+00 | 2.038E-01 | 1.875E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1200 - 1300 | 0.0 | 4.691E+00 | 1.371E+00 | 2.038E-01 | 1.875E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1300 - 1400 | 0.0 | 4.691E+00 | 1.371E+00 | 2.038E-01 | 1.875E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1400 - 1500 | 0.0 | 4.691E+00 | 1.371E+00 | 2.038E-01 | 1.875E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1500 - 1600 | 0.0 | 4.691E+00 | 1.371E+00 | 2.038E-01 | 1.875E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1600 - 1700 | 0.0 | 4.691E+00 | 1.371E+00 | 2.038E-01 | 1.875E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1700 - 1800 | 0.0 | 4.691E+00 | 1.371E+00 | 2.038E-01 | 1.875E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1800 - 1900 | 0.0 | 4.691E+00 | 1.371E+00 | 2.038E-01 | 1.875E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1900 - 2000 | 0.0 | 4.691E+00 | 1.371E+00 | 2.038E-01 | 1.875E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2000 - 2100 | 0.0 | 4.691E+00 | 1.371E+00 | 2.038E-01 | 1.875E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2100 - 2200 | 0.0 | 4.691E+00 | 1.371E+00 | 2.038E-01 | 1.875E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2200 - 2300 | 0.0 | 4.691E+00 | 1.371E+00 | 2.038E-01 | 1.875E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2300 - 2400 | 0.0 | 4.691E+00 | 1.371E+00 | 2.038E-01 | 1.875E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |

**Total Hourly Emission**

| Hour | Emission Within Parking Site | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Total Emission (g) (Running + Starting) | | | | | Total Emission Rate (g/s) | | | | |
| | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP |
| 0000 - 0100 | 4.591E-01 | 2.113E-01 | 1.132E-02 | 1.042E-02 | | 1.275E-04 | 5.868E-05 | 3.145E-06 | 2.893E-06 | |
| 0100 - 0200 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0200 - 0300 | 2.693E-01 | 1.222E-01 | 1.132E-02 | 1.042E-02 | | 7.480E-05 | 3.395E-05 | 3.145E-06 | 2.893E-06 | |
| 0300 - 0400 | 2.603E-01 | 1.180E-01 | 1.132E-02 | 1.042E-02 | | 7.231E-05 | 3.278E-05 | 3.145E-06 | 2.893E-06 | |
| 0400 - 0500 | 7.883E-01 | 2.927E-01 | 3.257E-02 | 2.997E-02 | | 2.190E-04 | 8.131E-05 | 9.049E-06 | 8.325E-06 | |
| 0500 - 0600 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0600 - 0700 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0700 - 0800 | 9.633E-01 | 2.625E-01 | 2.527E-02 | 2.325E-02 | | 2.676E-04 | 7.292E-05 | 7.020E-06 | 6.458E-06 | |
| 0800 - 0900 | 1.225E+00 | 3.550E-01 | 5.054E-02 | 4.650E-02 | | 3.404E-04 | 9.861E-05 | 1.404E-05 | 1.292E-05 | |
| 0900 - 1000 | 1.244E+00 | 5.022E-01 | 4.390E-02 | 4.039E-02 | | 3.454E-04 | 1.395E-04 | 1.219E-05 | 1.122E-05 | |
| 1000 - 1100 | 5.125E-01 | 1.687E-01 | 2.125E-02 | 1.955E-02 | | 1.424E-04 | 4.686E-05 | 5.904E-06 | 5.432E-06 | |
| 1100 - 1200 | 1.334E+00 | 5.384E-01 | 5.522E-02 | 5.080E-02 | | 3.705E-04 | 1.496E-04 | 1.534E-05 | 1.411E-05 | |
| 1200 - 1300 | 5.125E-01 | 1.687E-01 | 2.125E-02 | 1.955E-02 | | 1.424E-04 | 4.686E-05 | 5.904E-06 | 5.432E-06 | |
| 1300 - 1400 | 1.301E+00 | 4.614E-01 | 5.383E-02 | 4.953E-02 | | 3.613E-04 | 1.282E-04 | 1.495E-05 | 1.376E-05 | |
| 1400 - 1500 | 3.164E+00 | 1.037E+00 | 1.275E-01 | 1.173E-01 | | 8.788E-04 | 2.881E-04 | 3.542E-05 | 3.259E-05 | |
| 1500 - 1600 | 2.757E-01 | 1.252E-01 | 1.132E-02 | 1.042E-02 | | 7.658E-05 | 3.478E-05 | 3.145E-06 | 2.893E-06 | |
| 1600 - 1700 | 5.190E-01 | 1.705E-01 | 2.125E-02 | 1.955E-02 | | 1.442E-04 | 4.737E-05 | 5.904E-06 | 5.432E-06 | |
| 1700 - 1800 | 8.193E-01 | 3.037E-01 | 3.257E-02 | 2.997E-02 | | 2.276E-04 | 8.436E-05 | 9.049E-06 | 8.325E-06 | |
| 1800 - 1900 | 5.298E-01 | 1.736E-01 | 2.125E-02 | 1.955E-02 | | 1.472E-04 | 4.822E-05 | 5.904E-06 | 5.432E-06 | |
| 1900 - 2000 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2000 - 2100 | 5.298E-01 | 1.736E-01 | 2.125E-02 | 1.955E-02 | | 1.472E-04 | 4.822E-05 | 5.904E-06 | 5.432E-06 | |
| 2100 - 2200 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2200 - 2300 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2300 - 2400 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |

## HGV Carpark at Forefront Cyber Centre

**Running Emission**

| | | |
|---|---|---|
| Average Travelling Distance within Parking Site = | 100 | m |
| Average Travelling Speed = | 8 | km/h |

**Running Emission - Heavy Goods Vehicles <=15t**

| Hour | Frequency | Running Emission Factor (g/km·vehicle) | | | | | Running Emission Within Parking Site (g) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP |
| 0000 - 0100 | 0.0 | 2.048E+00 | 9.273E-01 | 9.130E-02 | 8.400E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0100 - 0200 | 0.0 | 2.048E+00 | 9.273E-01 | 9.130E-02 | 8.400E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0200 - 0300 | 0.0 | 2.048E+00 | 9.273E-01 | 9.130E-02 | 8.400E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0300 - 0400 | 0.0 | 2.048E+00 | 9.273E-01 | 9.130E-02 | 8.400E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0400 - 0500 | 0.0 | 2.048E+00 | 9.273E-01 | 9.130E-02 | 8.400E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0500 - 0600 | 0.0 | 2.048E+00 | 9.273E-01 | 9.130E-02 | 8.400E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0600 - 0700 | 0.0 | 2.048E+00 | 9.273E-01 | 9.130E-02 | 8.400E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0700 - 0800 | 0.0 | 2.048E+00 | 9.273E-01 | 9.130E-02 | 8.400E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0800 - 0900 | 0.0 | 2.048E+00 | 9.273E-01 | 9.130E-02 | 8.400E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0900 - 1000 | 0.0 | 2.048E+00 | 9.273E-01 | 9.130E-02 | 8.400E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1000 - 1100 | 1.0 | 2.048E+00 | 9.273E-01 | 9.130E-02 | 8.400E-02 | | 2.048E-01 | 9.273E-02 | 9.130E-03 | 8.400E-03 | |
| 1100 - 1200 | 3.0 | 2.048E+00 | 9.273E-01 | 9.130E-02 | 8.400E-02 | | 6.143E-01 | 2.782E-01 | 2.739E-02 | 2.520E-02 | |
| 1200 - 1300 | 4.0 | 2.048E+00 | 9.273E-01 | 9.130E-02 | 8.400E-02 | | 8.190E-01 | 3.709E-01 | 3.652E-02 | 3.360E-02 | |
| 1300 - 1400 | 3.0 | 2.048E+00 | 9.273E-01 | 9.130E-02 | 8.400E-02 | | 6.143E-01 | 2.782E-01 | 2.739E-02 | 2.520E-02 | |
| 1400 - 1500 | 0.0 | 2.048E+00 | 9.273E-01 | 9.130E-02 | 8.400E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1500 - 1600 | 3.0 | 2.048E+00 | 9.273E-01 | 9.130E-02 | 8.400E-02 | | 6.143E-01 | 2.782E-01 | 2.739E-02 | 2.520E-02 | |
| 1600 - 1700 | 3.0 | 2.048E+00 | 9.273E-01 | 9.130E-02 | 8.400E-02 | | 6.143E-01 | 2.782E-01 | 2.739E-02 | 2.520E-02 | |
| 1700 - 1800 | 0.0 | 2.048E+00 | 9.273E-01 | 9.130E-02 | 8.400E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1800 - 1900 | 0.0 | 2.048E+00 | 9.273E-01 | 9.130E-02 | 8.400E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1900 - 2000 | 0.0 | 2.048E+00 | 9.273E-01 | 9.130E-02 | 8.400E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2000 - 2100 | 0.0 | 2.048E+00 | 9.273E-01 | 9.130E-02 | 8.400E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2100 - 2200 | 0.0 | 2.048E+00 | 9.273E-01 | 9.130E-02 | 8.400E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2200 - 2300 | 1.0 | 2.048E+00 | 9.273E-01 | 9.130E-02 | 8.400E-02 | | 2.048E-01 | 9.273E-02 | 9.130E-03 | 8.400E-03 | |
| 2300 - 2400 | 0.0 | 2.048E+00 | 9.273E-01 | 9.130E-02 | 8.400E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |

**Running Emission - Heavy Goods Vehicles 15-24t**

| Hour | Frequency | Running Emission Factor (g/km·vehicle) | | | | | Running Emission Within Parking Site (g) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP |
| 0000 - 0100 | 0.0 | 3.976E+00 | 1.316E+00 | 1.714E-01 | 1.577E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0100 - 0200 | 0.0 | 3.976E+00 | 1.316E+00 | 1.714E-01 | 1.577E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0200 - 0300 | 0.0 | 3.976E+00 | 1.316E+00 | 1.714E-01 | 1.577E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0300 - 0400 | 0.0 | 3.976E+00 | 1.316E+00 | 1.714E-01 | 1.577E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0400 - 0500 | 0.0 | 3.976E+00 | 1.316E+00 | 1.714E-01 | 1.577E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0500 - 0600 | 0.0 | 3.976E+00 | 1.316E+00 | 1.714E-01 | 1.577E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0600 - 0700 | 0.0 | 3.976E+00 | 1.316E+00 | 1.714E-01 | 1.577E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0700 - 0800 | 0.0 | 3.976E+00 | 1.316E+00 | 1.714E-01 | 1.577E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0800 - 0900 | 0.0 | 3.976E+00 | 1.316E+00 | 1.714E-01 | 1.577E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0900 - 1000 | 0.0 | 3.976E+00 | 1.316E+00 | 1.714E-01 | 1.577E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1000 - 1100 | 2.0 | 3.976E+00 | 1.316E+00 | 1.714E-01 | 1.577E-01 | | 7.953E-01 | 2.631E-01 | 3.428E-02 | 3.154E-02 | |
| 1100 - 1200 | 1.0 | 3.976E+00 | 1.316E+00 | 1.714E-01 | 1.577E-01 | | 3.976E-01 | 1.316E-01 | 1.714E-02 | 1.577E-02 | |
| 1200 - 1300 | 0.0 | 3.976E+00 | 1.316E+00 | 1.714E-01 | 1.577E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1300 - 1400 | 2.0 | 3.976E+00 | 1.316E+00 | 1.714E-01 | 1.577E-01 | | 7.953E-01 | 2.631E-01 | 3.428E-02 | 3.154E-02 | |
| 1400 - 1500 | 1.0 | 3.976E+00 | 1.316E+00 | 1.714E-01 | 1.577E-01 | | 3.976E-01 | 1.316E-01 | 1.714E-02 | 1.577E-02 | |
| 1500 - 1600 | 0.0 | 3.976E+00 | 1.316E+00 | 1.714E-01 | 1.577E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1600 - 1700 | 0.0 | 3.976E+00 | 1.316E+00 | 1.714E-01 | 1.577E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1700 - 1800 | 0.0 | 3.976E+00 | 1.316E+00 | 1.714E-01 | 1.577E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1800 - 1900 | 0.0 | 3.976E+00 | 1.316E+00 | 1.714E-01 | 1.577E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1900 - 2000 | 0.0 | 3.976E+00 | 1.316E+00 | 1.714E-01 | 1.577E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2000 - 2100 | 0.0 | 3.976E+00 | 1.316E+00 | 1.714E-01 | 1.577E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2100 - 2200 | 0.0 | 3.976E+00 | 1.316E+00 | 1.714E-01 | 1.577E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2200 - 2300 | 0.0 | 3.976E+00 | 1.316E+00 | 1.714E-01 | 1.577E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2300 - 2400 | 0.0 | 3.976E+00 | 1.316E+00 | 1.714E-01 | 1.577E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |

**Running Emission - Heavy Goods Vehicles >24t**

| Hour | Frequency | Running Emission Factor (g/km·vehicle) | | | | | Running Emission Within Parking Site (g) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP |
| 0000 - 0100 | 0.0 | 4.691E+00 | 1.371E+00 | 2.038E-01 | 1.875E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0100 - 0200 | 0.0 | 4.691E+00 | 1.371E+00 | 2.038E-01 | 1.875E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0200 - 0300 | 0.0 | 4.691E+00 | 1.371E+00 | 2.038E-01 | 1.875E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0300 - 0400 | 0.0 | 4.691E+00 | 1.371E+00 | 2.038E-01 | 1.875E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0400 - 0500 | 0.0 | 4.691E+00 | 1.371E+00 | 2.038E-01 | 1.875E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0500 - 0600 | 0.0 | 4.691E+00 | 1.371E+00 | 2.038E-01 | 1.875E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0600 - 0700 | 0.0 | 4.691E+00 | 1.371E+00 | 2.038E-01 | 1.875E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0700 - 0800 | 0.0 | 4.691E+00 | 1.371E+00 | 2.038E-01 | 1.875E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0800 - 0900 | 0.0 | 4.691E+00 | 1.371E+00 | 2.038E-01 | 1.875E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0900 - 1000 | 1.0 | 4.691E+00 | 1.371E+00 | 2.038E-01 | 1.875E-01 | | 4.691E-01 | 1.371E-01 | 2.038E-02 | 1.875E-02 | |
| 1000 - 1100 | 0.0 | 4.691E+00 | 1.371E+00 | 2.038E-01 | 1.875E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1100 - 1200 | 2.0 | 4.691E+00 | 1.371E+00 | 2.038E-01 | 1.875E-01 | | 9.382E-01 | 2.742E-01 | 4.076E-02 | 3.750E-02 | |
| 1200 - 1300 | 0.0 | 4.691E+00 | 1.371E+00 | 2.038E-01 | 1.875E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1300 - 1400 | 1.0 | 4.691E+00 | 1.371E+00 | 2.038E-01 | 1.875E-01 | | 4.691E-01 | 1.371E-01 | 2.038E-02 | 1.875E-02 | |
| 1400 - 1500 | 0.0 | 4.691E+00 | 1.371E+00 | 2.038E-01 | 1.875E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1500 - 1600 | 0.0 | 4.691E+00 | 1.371E+00 | 2.038E-01 | 1.875E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1600 - 1700 | 0.0 | 4.691E+00 | 1.371E+00 | 2.038E-01 | 1.875E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1700 - 1800 | 0.0 | 4.691E+00 | 1.371E+00 | 2.038E-01 | 1.875E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1800 - 1900 | 0.0 | 4.691E+00 | 1.371E+00 | 2.038E-01 | 1.875E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1900 - 2000 | 0.0 | 4.691E+00 | 1.371E+00 | 2.038E-01 | 1.875E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2000 - 2100 | 0.0 | 4.691E+00 | 1.371E+00 | 2.038E-01 | 1.875E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2100 - 2200 | 0.0 | 4.691E+00 | 1.371E+00 | 2.038E-01 | 1.875E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2200 - 2300 | 0.0 | 4.691E+00 | 1.371E+00 | 2.038E-01 | 1.875E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2300 - 2400 | 0.0 | 4.691E+00 | 1.371E+00 | 2.038E-01 | 1.875E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |

**Total Hourly Emission**

| Hour | Emission Within Parking Site | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Total Emission (g) (Running + Starting) | | | | | Total Emission Rate (g/s) | | | | |
| | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP |
| 0000 - 0100 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0100 - 0200 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0200 - 0300 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0300 - 0400 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0400 - 0500 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0500 - 0600 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0600 - 0700 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0700 - 0800 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0800 - 0900 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0900 - 1000 | 5.672E-01 | 1.609E-01 | 2.038E-02 | 1.875E-02 | | 1.576E-04 | 4.469E-05 | 5.661E-06 | 5.208E-06 | |
| 1000 - 1100 | 1.072E+00 | 3.804E-01 | 4.341E-02 | 3.994E-02 | | 2.979E-04 | 1.057E-04 | 1.206E-05 | 1.109E-05 | |
| 1100 - 1200 | 2.177E+00 | 7.536E-01 | 8.529E-02 | 7.847E-02 | | 6.048E-04 | 2.093E-04 | 2.369E-05 | 2.180E-05 | |
| 1200 - 1300 | 9.411E-01 | 4.282E-01 | 3.652E-02 | 3.360E-02 | | 2.614E-04 | 1.189E-04 | 1.014E-05 | 9.333E-06 | |
| 1300 - 1400 | 2.089E+00 | 7.429E-01 | 8.205E-02 | 7.549E-02 | | 5.804E-04 | 2.064E-04 | 2.279E-05 | 2.097E-05 | |
| 1400 - 1500 | 4.133E-01 | 1.360E-01 | 1.714E-02 | 1.577E-02 | | 1.148E-04 | 3.779E-05 | 4.761E-06 | 4.381E-06 | |
| 1500 - 1600 | 6.908E-01 | 3.141E-01 | 2.739E-02 | 2.520E-02 | | 1.919E-04 | 8.725E-05 | 7.608E-06 | 7.000E-06 | |
| 1600 - 1700 | 7.074E-01 | 3.219E-01 | 2.739E-02 | 2.520E-02 | | 1.965E-04 | 8.941E-05 | 7.608E-06 | 7.000E-06 | |
| 1700 - 1800 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1800 - 1900 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1900 - 2000 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2000 - 2100 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2100 - 2200 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2200 - 2300 | 2.575E-01 | 1.175E-01 | 9.130E-03 | 8.400E-03 | | 7.153E-05 | 3.263E-05 | 2.536E-06 | 2.333E-06 | |
| 2300 - 2400 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |

## Hung Fuk Estate Minibus PTI

**Starting Emission**

| | |
|---|---|
| No. of PLB (Diesel) to No. of PLB (LPG) Ratio [2] = | 3.2 |

| | Starting Emission Factor (g/trip) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NO | 4.250E-02 | 7.650E-02 | 1.020E-01 | 1.443E-01 | 1.783E-01 | 2.378E-01 | 3.483E-01 | 4.331E-01 | 6.370E-01 | 8.324E-01 | 9.343E-01 | 1.104E+00 | 1.215E+00 | 1.274E+00 | 1.308E+00 | 1.342E+00 | 1.359E+00 | 1.359E+00 |
| $NO_2$ | 1.650E-02 | 2.970E-02 | 3.960E-02 | 5.620E-02 | 6.940E-02 | 9.250E-02 | 1.354E-01 | 1.685E-01 | 2.477E-01 | 3.237E-01 | 3.633E-01 | 4.294E-01 | 4.723E-01 | 4.955E-01 | 5.087E-01 | 5.219E-01 | 5.285E-01 | 5.285E-01 |
| RSP | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| FSP | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| TSP | | | | | | | | | | | | | | | | | | |

| Hour | No. of Cold Starts of Public Light Bus (Diesel) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sitting Time (min) | 5 | 10 | 20 | 30 | 40 | 50 | 60 | 120 | 180 | 240 | 300 | 360 | 420 | 480 | 540 | 600 | 660 | 720 |
| 0000 - 0100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0100 - 0200 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0200 - 0300 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0300 - 0400 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0400 - 0500 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0500 - 0600 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 |
| 0600 - 0700 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0700 - 0800 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0800 - 0900 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0900 - 1000 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1000 - 1100 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1100 - 1200 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1200 - 1300 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1300 - 1400 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1400 - 1500 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1500 - 1600 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1600 - 1700 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1700 - 1800 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1800 - 1900 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1900 - 2000 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2000 - 2100 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2100 - 2200 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2200 - 2300 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2300 - 2400 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| Total Starting Emission (g) | | | | |
|---|---|---|---|---|
| NO | $NO_2$ | RSP | FSP | TSP |
| 0 | 0 | 0 | 0 | |
| 0 | 0 | 0 | 0 | |
| 0 | 0 | 0 | 0 | |
| 0 | 0 | 0 | 0 | |
| 0 | 0 | 0 | 0 | |
| 6 | 2 | 0 | 0 | |
| 0 | 0 | 0 | 0 | |
| 0 | 0 | 0 | 0 | |
| 0 | 0 | 0 | 0 | |
| 0 | 0 | 0 | 0 | |
| 0 | 0 | 0 | 0 | |
| 0 | 0 | 0 | 0 | |
| 0 | 0 | 0 | 0 | |
| 0 | 0 | 0 | 0 | |
| 0 | 0 | 0 | 0 | |
| 0 | 0 | 0 | 0 | |
| 0 | 0 | 0 | 0 | |
| 0 | 0 | 0 | 0 | |
| 0 | 0 | 0 | 0 | |
| 0 | 0 | 0 | 0 | |
| 0 | 0 | 0 | 0 | |
| 0 | 0 | 0 | 0 | |
| 0 | 0 | 0 | 0 | |
| 0 | 0 | 0 | 0 | |

Remark:
[1] Number of cold starts were derived based on on-site observations at the PTIs and operators' published schedules, while sitting time were obtained based on on-site observations at PTIs.
[2] Population ratio of PLB (Diesel) to PLB (LPG) was extracted from Year 2030 data of EMFAC-HK.

## Hung Fuk Estate Minibus PTI

**Cold Idling Emission**

| | | |
|---|---|---|
| Idling Time for Terminating Public Light Buses = | 9 | min |
| Max. Idling Time for Adjusting Starting Emission = | 1 | min |

| Hour | Public Light Bus (Diesel) | | | | | | | | | | | | Public Light Bus (Diesel) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Frequency | Cold Idling Emission Factor (g/min) | | | | | Cold Idling Emission (g) | | | | | Frequency | Hot Idling Emission Factor (g/min) | | | | | Hot Idling Emission (g) | | | | |
| | | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP | | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP |
| 0000 - 0100 | 0 | 4.320E-02 | 1.680E-02 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 2.500E-02 | 9.723E-03 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0100 - 0200 | 0 | 4.320E-02 | 1.680E-02 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 2.500E-02 | 9.723E-03 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0200 - 0300 | 0 | 4.320E-02 | 1.680E-02 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 2.500E-02 | 9.723E-03 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0300 - 0400 | 0 | 4.320E-02 | 1.680E-02 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 2.500E-02 | 9.723E-03 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0400 - 0500 | 0 | 4.320E-02 | 1.680E-02 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 2.500E-02 | 9.723E-03 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0500 - 0600 | 5 | 4.320E-02 | 1.680E-02 | 4.333E-04 | 4.333E-04 | | 1.776E+00 | 6.908E-01 | 1.781E-02 | 1.781E-02 | | 0 | 2.500E-02 | 9.723E-03 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0600 - 0700 | 0 | 4.320E-02 | 1.680E-02 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 2.500E-02 | 9.723E-03 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0700 - 0800 | 0 | 4.320E-02 | 1.680E-02 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 2 | 2.500E-02 | 9.723E-03 | 4.333E-04 | 4.333E-04 | | 3.425E-01 | 1.332E-01 | 5.938E-03 | 5.938E-03 | |
| 0800 - 0900 | 0 | 4.320E-02 | 1.680E-02 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 1 | 2.500E-02 | 9.723E-03 | 4.333E-04 | 4.333E-04 | | 1.713E-01 | 6.662E-02 | 2.969E-03 | 2.969E-03 | |
| 0900 - 1000 | 0 | 4.320E-02 | 1.680E-02 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 1 | 2.500E-02 | 9.723E-03 | 4.333E-04 | 4.333E-04 | | 1.713E-01 | 6.662E-02 | 2.969E-03 | 2.969E-03 | |
| 1000 - 1100 | 1 | 4.320E-02 | 1.680E-02 | 4.333E-04 | 4.333E-04 | | 2.960E-01 | 1.151E-01 | 2.969E-03 | 2.969E-03 | | 2 | 2.500E-02 | 9.723E-03 | 4.333E-04 | 4.333E-04 | | 3.425E-01 | 1.332E-01 | 5.938E-03 | 5.938E-03 | |
| 1100 - 1200 | 0 | 4.320E-02 | 1.680E-02 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 1 | 2.500E-02 | 9.723E-03 | 4.333E-04 | 4.333E-04 | | 1.713E-01 | 6.662E-02 | 2.969E-03 | 2.969E-03 | |
| 1200 - 1300 | 0 | 4.320E-02 | 1.680E-02 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 2 | 2.500E-02 | 9.723E-03 | 4.333E-04 | 4.333E-04 | | 3.425E-01 | 1.332E-01 | 5.938E-03 | 5.938E-03 | |
| 1300 - 1400 | 0 | 4.320E-02 | 1.680E-02 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 1 | 2.500E-02 | 9.723E-03 | 4.333E-04 | 4.333E-04 | | 1.713E-01 | 6.662E-02 | 2.969E-03 | 2.969E-03 | |
| 1400 - 1500 | 0 | 4.320E-02 | 1.680E-02 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 2 | 2.500E-02 | 9.723E-03 | 4.333E-04 | 4.333E-04 | | 3.425E-01 | 1.332E-01 | 5.938E-03 | 5.938E-03 | |
| 1500 - 1600 | 0 | 4.320E-02 | 1.680E-02 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 1 | 2.500E-02 | 9.723E-03 | 4.333E-04 | 4.333E-04 | | 1.713E-01 | 6.662E-02 | 2.969E-03 | 2.969E-03 | |
| 1600 - 1700 | 0 | 4.320E-02 | 1.680E-02 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 1 | 2.500E-02 | 9.723E-03 | 4.333E-04 | 4.333E-04 | | 1.713E-01 | 6.662E-02 | 2.969E-03 | 2.969E-03 | |
| 1700 - 1800 | 0 | 4.320E-02 | 1.680E-02 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 2.500E-02 | 9.723E-03 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1800 - 1900 | 0 | 4.320E-02 | 1.680E-02 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 2.500E-02 | 9.723E-03 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1900 - 2000 | 0 | 4.320E-02 | 1.680E-02 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 1 | 2.500E-02 | 9.723E-03 | 4.333E-04 | 4.333E-04 | | 1.713E-01 | 6.662E-02 | 2.969E-03 | 2.969E-03 | |
| 2000 - 2100 | 0 | 4.320E-02 | 1.680E-02 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 1 | 2.500E-02 | 9.723E-03 | 4.333E-04 | 4.333E-04 | | 1.713E-01 | 6.662E-02 | 2.969E-03 | 2.969E-03 | |
| 2100 - 2200 | 0 | 4.320E-02 | 1.680E-02 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 2.500E-02 | 9.723E-03 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2200 - 2300 | 0 | 4.320E-02 | 1.680E-02 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 2.500E-02 | 9.723E-03 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2300 - 2400 | 0 | 4.320E-02 | 1.680E-02 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 2.500E-02 | 9.723E-03 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |

| | | |
|---|---|---|
| Average Distance from Starting Place to PTI Egress = | 12.0 | m |
| Average Spread Distance outside PTI = | 688.0 | m |

| Hour | Idling Emission (g) | | | | | Emission for Adjusting Starting Emission (g) | | | | | Adjusted Starting Emission Within PTI (g) | | | | | Adjusted Starting Emission Outside PTI (g) | | | | | Starting Emission Rate Outside PTI (g/s) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP |
| 0000 - 0100 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0100 - 0200 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0200 - 0300 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0300 - 0400 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0400 - 0500 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0500 - 0600 | 1.776E+00 | 6.908E-01 | 1.781E-02 | 1.781E-02 | | 1.973E-01 | 7.675E-02 | 1.979E-03 | 1.979E-03 | | 9.172E-02 | 3.567E-02 | 0.000E+00 | 0.000E+00 | | 5.259E+00 | 2.045E+00 | 0.000E+00 | 0.000E+00 | | 1.461E-03 | 5.680E-04 | 0.000E+00 | 0.000E+00 | |
| 0600 - 0700 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0700 - 0800 | 3.425E-01 | 1.332E-01 | 5.938E-03 | 5.938E-03 | | 3.806E-02 | 1.480E-02 | 6.598E-04 | 6.598E-04 | | 1.344E-03 | 5.214E-04 | 0.000E+00 | 0.000E+00 | | 7.707E-02 | 2.989E-02 | 0.000E+00 | 0.000E+00 | | 2.141E-05 | 8.304E-06 | 0.000E+00 | 0.000E+00 | |
| 0800 - 0900 | 1.713E-01 | 6.662E-02 | 2.969E-03 | 2.969E-03 | | 1.903E-02 | 7.402E-03 | 3.299E-04 | 3.299E-04 | | 1.005E-03 | 3.899E-04 | 0.000E+00 | 0.000E+00 | | 5.762E-02 | 2.235E-02 | 0.000E+00 | 0.000E+00 | | 1.600E-05 | 6.210E-06 | 0.000E+00 | 0.000E+00 | |
| 0900 - 1000 | 1.713E-01 | 6.662E-02 | 2.969E-03 | 2.969E-03 | | 1.903E-02 | 7.402E-03 | 3.299E-04 | 3.299E-04 | | 2.284E-04 | 8.844E-05 | 0.000E+00 | 0.000E+00 | | 1.310E-02 | 5.071E-03 | 0.000E+00 | 0.000E+00 | | 3.638E-06 | 1.408E-06 | 0.000E+00 | 0.000E+00 | |
| 1000 - 1100 | 6.385E-01 | 2.484E-01 | 8.907E-03 | 8.907E-03 | | 7.094E-02 | 2.760E-02 | 9.897E-04 | 9.897E-04 | | 4.882E-03 | 1.897E-03 | 0.000E+00 | 0.000E+00 | | 2.799E-01 | 1.088E-01 | 0.000E+00 | 0.000E+00 | | 7.776E-05 | 3.021E-05 | 0.000E+00 | 0.000E+00 | |
| 1100 - 1200 | 1.713E-01 | 6.662E-02 | 2.969E-03 | 2.969E-03 | | 1.903E-02 | 7.402E-03 | 3.299E-04 | 3.299E-04 | | 1.005E-03 | 3.899E-04 | 0.000E+00 | 0.000E+00 | | 5.762E-02 | 2.235E-02 | 0.000E+00 | 0.000E+00 | | 1.600E-05 | 6.210E-06 | 0.000E+00 | 0.000E+00 | |
| 1200 - 1300 | 3.425E-01 | 1.332E-01 | 5.938E-03 | 5.938E-03 | | 3.806E-02 | 1.480E-02 | 6.598E-04 | 6.598E-04 | | 3.782E-03 | 1.470E-03 | 0.000E+00 | 0.000E+00 | | 2.168E-01 | 8.429E-02 | 0.000E+00 | 0.000E+00 | | 6.023E-05 | 2.341E-05 | 0.000E+00 | 0.000E+00 | |
| 1300 - 1400 | 1.713E-01 | 6.662E-02 | 2.969E-03 | 2.969E-03 | | 1.903E-02 | 7.402E-03 | 3.299E-04 | 3.299E-04 | | 1.005E-03 | 3.899E-04 | 0.000E+00 | 0.000E+00 | | 5.762E-02 | 2.235E-02 | 0.000E+00 | 0.000E+00 | | 1.600E-05 | 6.210E-06 | 0.000E+00 | 0.000E+00 | |
| 1400 - 1500 | 3.425E-01 | 1.332E-01 | 5.938E-03 | 5.938E-03 | | 3.806E-02 | 1.480E-02 | 6.598E-04 | 6.598E-04 | | 2.229E-03 | 8.673E-04 | 0.000E+00 | 0.000E+00 | | 1.278E-01 | 4.972E-02 | 0.000E+00 | 0.000E+00 | | 3.550E-05 | 1.381E-05 | 0.000E+00 | 0.000E+00 | |
| 1500 - 1600 | 1.713E-01 | 6.662E-02 | 2.969E-03 | 2.969E-03 | | 1.903E-02 | 7.402E-03 | 3.299E-04 | 3.299E-04 | | 1.557E-03 | 6.065E-04 | 0.000E+00 | 0.000E+00 | | 8.927E-02 | 3.478E-02 | 0.000E+00 | 0.000E+00 | | 2.480E-05 | 9.660E-06 | 0.000E+00 | 0.000E+00 | |
| 1600 - 1700 | 1.713E-01 | 6.662E-02 | 2.969E-03 | 2.969E-03 | | 1.903E-02 | 7.402E-03 | 3.299E-04 | 3.299E-04 | | 6.722E-04 | 2.607E-04 | 0.000E+00 | 0.000E+00 | | 3.854E-02 | 1.495E-02 | 0.000E+00 | 0.000E+00 | | 1.070E-05 | 4.152E-06 | 0.000E+00 | 0.000E+00 | |
| 1700 - 1800 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1800 - 1900 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1900 - 2000 | 1.713E-01 | 6.662E-02 | 2.969E-03 | 2.969E-03 | | 1.903E-02 | 7.402E-03 | 3.299E-04 | 3.299E-04 | | 1.005E-03 | 3.899E-04 | 0.000E+00 | 0.000E+00 | | 5.762E-02 | 2.235E-02 | 0.000E+00 | 0.000E+00 | | 1.600E-05 | 6.210E-06 | 0.000E+00 | 0.000E+00 | |
| 2000 - 2100 | 1.713E-01 | 6.662E-02 | 2.969E-03 | 2.969E-03 | | 1.903E-02 | 7.402E-03 | 3.299E-04 | 3.299E-04 | | 1.005E-03 | 3.899E-04 | 0.000E+00 | 0.000E+00 | | 5.762E-02 | 2.235E-02 | 0.000E+00 | 0.000E+00 | | 1.600E-05 | 6.210E-06 | 0.000E+00 | 0.000E+00 | |
| 2100 - 2200 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2200 - 2300 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2300 - 2400 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |



## Hung Fuk Estate Minibus PTI

**Starting Emission**

| | |
|---|---|
| No. of PLB (Diesel) to No. of PLB (LPG) Ratio [2] = | 3.2 |

| | Starting Emission Factor (g/trip) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NO | 1.807E+00 | 2.723E+00 | 4.332E+00 | 5.642E+00 | 6.655E+00 | 7.370E+00 | 7.788E+00 | 8.019E+00 | 7.990E+00 | 7.945E+00 | 7.884E+00 | 7.808E+00 | 7.716E+00 | 7.609E+00 | 7.486E+00 | 7.348E+00 | 7.194E+00 | 7.025E+00 |
| $NO_2$ | 9.100E-03 | 1.370E-02 | 2.190E-02 | 2.850E-02 | 3.360E-02 | 3.720E-02 | 3.930E-02 | 4.050E-02 | 4.030E-02 | 4.010E-02 | 3.980E-02 | 3.940E-02 | 3.900E-02 | 3.840E-02 | 3.780E-02 | 3.710E-02 | 3.630E-02 | 3.550E-02 |
| RSP | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| FSP | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| TSP | | | | | | | | | | | | | | | | | | |

| Hour | No. of Cold Starts of Public Light Bus (LPG) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sitting Time (min) | 5 | 10 | 20 | 30 | 40 | 50 | 60 | 120 | 180 | 240 | 300 | 360 | 420 | 480 | 540 | 600 | 660 | 720 |
| 0000 - 0100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0100 - 0200 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0200 - 0300 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0300 - 0400 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0400 - 0500 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0500 - 0600 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 0600 - 0700 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0700 - 0800 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0800 - 0900 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0900 - 1000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1000 - 1100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1100 - 1200 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1200 - 1300 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1300 - 1400 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1400 - 1500 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1500 - 1600 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1600 - 1700 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1700 - 1800 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1800 - 1900 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1900 - 2000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2000 - 2100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2100 - 2200 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2200 - 2300 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2300 - 2400 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| Total Starting Emission (g) | | | | |
|---|---|---|---|---|
| NO | $NO_2$ | RSP | FSP | TSP |
| 0 | 0 | 0 | 0 | |
| 0 | 0 | 0 | 0 | |
| 0 | 0 | 0 | 0 | |
| 0 | 0 | 0 | 0 | |
| 0 | 0 | 0 | 0 | |
| 11 | 0 | 0 | 0 | |
| 0 | 0 | 0 | 0 | |
| 1 | 0 | 0 | 0 | |
| 1 | 0 | 0 | 0 | |
| 0 | 0 | 0 | 0 | |
| 3 | 0 | 0 | 0 | |
| 1 | 0 | 0 | 0 | |
| 3 | 0 | 0 | 0 | |
| 1 | 0 | 0 | 0 | |
| 2 | 0 | 0 | 0 | |
| 1 | 0 | 0 | 0 | |
| 1 | 0 | 0 | 0 | |
| 0 | 0 | 0 | 0 | |
| 0 | 0 | 0 | 0 | |
| 1 | 0 | 0 | 0 | |
| 1 | 0 | 0 | 0 | |
| 0 | 0 | 0 | 0 | |
| 0 | 0 | 0 | 0 | |
| 0 | 0 | 0 | 0 | |

Remark:
[1] Number of cold starts were derived based on on-site observations at the PTIs and operators' published schedules, while sitting time were obtained based on on-site observations at PTIs.
[2] Population ratio of PLB (Diesel) to PLB (LPG) was extracted from Year 2030 data of EMFAC-HK.

## Hung Fuk Estate Minibus PTI

**Cold Idling Emission**

| | | |
|---|---|---|
| Idling Time for Terminating Public Light Buses = | 9 | min |
| Max. Idling Time for Adjusting Starting Emission = | 1 | min |

| Hour | Public Light Bus (LPG) | | | | | | | | | | | | Public Light Bus (LPG) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Frequency | Cold Idling Emission Factor (g/min) | | | | | Cold Idling Emission (g) | | | | | Frequency | Hot Idling Emission Factor (g/min) | | | | | Hot Idling Emission (g) | | | | |
| | | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP | | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP |
| 0000 - 0100 | 0 | 2.425E-01 | 1.223E-03 | 5.680E-04 | 5.680E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.152E-01 | 1.589E-03 | 5.680E-04 | 5.680E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0100 - 0200 | 0 | 2.425E-01 | 1.223E-03 | 5.680E-04 | 5.680E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.152E-01 | 1.589E-03 | 5.680E-04 | 5.680E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0200 - 0300 | 0 | 2.425E-01 | 1.223E-03 | 5.680E-04 | 5.680E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.152E-01 | 1.589E-03 | 5.680E-04 | 5.680E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0300 - 0400 | 0 | 2.425E-01 | 1.223E-03 | 5.680E-04 | 5.680E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.152E-01 | 1.589E-03 | 5.680E-04 | 5.680E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0400 - 0500 | 0 | 2.425E-01 | 1.223E-03 | 5.680E-04 | 5.680E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.152E-01 | 1.589E-03 | 5.680E-04 | 5.680E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0500 - 0600 | 1 | 2.425E-01 | 1.223E-03 | 5.680E-04 | 5.680E-04 | | 3.125E+00 | 1.576E-02 | 7.322E-03 | 7.322E-03 | | 0 | 3.152E-01 | 1.589E-03 | 5.680E-04 | 5.680E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0600 - 0700 | 0 | 2.425E-01 | 1.223E-03 | 5.680E-04 | 5.680E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.152E-01 | 1.589E-03 | 5.680E-04 | 5.680E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0700 - 0800 | 0 | 2.425E-01 | 1.223E-03 | 5.680E-04 | 5.680E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.152E-01 | 1.589E-03 | 5.680E-04 | 5.680E-04 | | 1.354E+00 | 6.830E-03 | 2.441E-03 | 2.441E-03 | |
| 0800 - 0900 | 0 | 2.425E-01 | 1.223E-03 | 5.680E-04 | 5.680E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.152E-01 | 1.589E-03 | 5.680E-04 | 5.680E-04 | | 6.772E-01 | 3.415E-03 | 1.220E-03 | 1.220E-03 | |
| 0900 - 1000 | 0 | 2.425E-01 | 1.223E-03 | 5.680E-04 | 5.680E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.152E-01 | 1.589E-03 | 5.680E-04 | 5.680E-04 | | 6.772E-01 | 3.415E-03 | 1.220E-03 | 1.220E-03 | |
| 1000 - 1100 | 0 | 2.425E-01 | 1.223E-03 | 5.680E-04 | 5.680E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 1 | 3.152E-01 | 1.589E-03 | 5.680E-04 | 5.680E-04 | | 2.032E+00 | 1.024E-02 | 3.661E-03 | 3.661E-03 | |
| 1100 - 1200 | 0 | 2.425E-01 | 1.223E-03 | 5.680E-04 | 5.680E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.152E-01 | 1.589E-03 | 5.680E-04 | 5.680E-04 | | 6.772E-01 | 3.415E-03 | 1.220E-03 | 1.220E-03 | |
| 1200 - 1300 | 0 | 2.425E-01 | 1.223E-03 | 5.680E-04 | 5.680E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.152E-01 | 1.589E-03 | 5.680E-04 | 5.680E-04 | | 1.354E+00 | 6.830E-03 | 2.441E-03 | 2.441E-03 | |
| 1300 - 1400 | 0 | 2.425E-01 | 1.223E-03 | 5.680E-04 | 5.680E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.152E-01 | 1.589E-03 | 5.680E-04 | 5.680E-04 | | 6.772E-01 | 3.415E-03 | 1.220E-03 | 1.220E-03 | |
| 1400 - 1500 | 0 | 2.425E-01 | 1.223E-03 | 5.680E-04 | 5.680E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.152E-01 | 1.589E-03 | 5.680E-04 | 5.680E-04 | | 1.354E+00 | 6.830E-03 | 2.441E-03 | 2.441E-03 | |
| 1500 - 1600 | 0 | 2.425E-01 | 1.223E-03 | 5.680E-04 | 5.680E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.152E-01 | 1.589E-03 | 5.680E-04 | 5.680E-04 | | 6.772E-01 | 3.415E-03 | 1.220E-03 | 1.220E-03 | |
| 1600 - 1700 | 0 | 2.425E-01 | 1.223E-03 | 5.680E-04 | 5.680E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.152E-01 | 1.589E-03 | 5.680E-04 | 5.680E-04 | | 6.772E-01 | 3.415E-03 | 1.220E-03 | 1.220E-03 | |
| 1700 - 1800 | 0 | 2.425E-01 | 1.223E-03 | 5.680E-04 | 5.680E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.152E-01 | 1.589E-03 | 5.680E-04 | 5.680E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1800 - 1900 | 0 | 2.425E-01 | 1.223E-03 | 5.680E-04 | 5.680E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.152E-01 | 1.589E-03 | 5.680E-04 | 5.680E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1900 - 2000 | 0 | 2.425E-01 | 1.223E-03 | 5.680E-04 | 5.680E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.152E-01 | 1.589E-03 | 5.680E-04 | 5.680E-04 | | 6.772E-01 | 3.415E-03 | 1.220E-03 | 1.220E-03 | |
| 2000 - 2100 | 0 | 2.425E-01 | 1.223E-03 | 5.680E-04 | 5.680E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.152E-01 | 1.589E-03 | 5.680E-04 | 5.680E-04 | | 6.772E-01 | 3.415E-03 | 1.220E-03 | 1.220E-03 | |
| 2100 - 2200 | 0 | 2.425E-01 | 1.223E-03 | 5.680E-04 | 5.680E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.152E-01 | 1.589E-03 | 5.680E-04 | 5.680E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2200 - 2300 | 0 | 2.425E-01 | 1.223E-03 | 5.680E-04 | 5.680E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.152E-01 | 1.589E-03 | 5.680E-04 | 5.680E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2300 - 2400 | 0 | 2.425E-01 | 1.223E-03 | 5.680E-04 | 5.680E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.152E-01 | 1.589E-03 | 5.680E-04 | 5.680E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |

| | | |
|---|---|---|
| Average Distance from Starting Place to PTI Egress = | 12.0 | m |
| Average Spread Distance outside PTI = | 138.0 | m |

| Hour | Idling Emission (g) | | | | | Emission for Adjusting Starting Emission (g) | | | | | Adjusted Starting Emission Within PTI (g) | | | | | Adjusted Starting Emission Outside PTI (g) | | | | | Starting Emission Rate Outside PTI (g/s) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP |
| 0000 - 0100 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0100 - 0200 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0200 - 0300 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0300 - 0400 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0400 - 0500 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0500 - 0600 | 3.125E+00 | 1.576E-02 | 7.322E-03 | 7.322E-03 | | 3.473E-01 | 1.751E-03 | 8.136E-04 | 8.136E-04 | | 8.564E-01 | 4.329E-03 | 0.000E+00 | 0.000E+00 | | 9.848E+00 | 4.978E-02 | 0.000E+00 | 0.000E+00 | | 2.736E-03 | 1.383E-05 | 0.000E+00 | 0.000E+00 | |
| 0600 - 0700 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0700 - 0800 | 1.354E+00 | 6.830E-03 | 2.441E-03 | 2.441E-03 | | 1.505E-01 | 7.589E-04 | 2.712E-04 | 2.712E-04 | | 9.198E-02 | 4.626E-04 | 0.000E+00 | 0.000E+00 | | 1.058E+00 | 5.319E-03 | 0.000E+00 | 0.000E+00 | | 2.938E-04 | 1.478E-06 | 0.000E+00 | 0.000E+00 | |
| 0800 - 0900 | 6.772E-01 | 3.415E-03 | 1.220E-03 | 1.220E-03 | | 7.524E-02 | 3.794E-04 | 1.356E-04 | 1.356E-04 | | 7.670E-02 | 3.879E-04 | 0.000E+00 | 0.000E+00 | | 8.821E-01 | 4.461E-03 | 0.000E+00 | 0.000E+00 | | 2.450E-04 | 1.239E-06 | 0.000E+00 | 0.000E+00 | |
| 0900 - 1000 | 6.772E-01 | 3.415E-03 | 1.220E-03 | 1.220E-03 | | 7.524E-02 | 3.794E-04 | 1.356E-04 | 1.356E-04 | | 2.850E-02 | 1.434E-04 | 0.000E+00 | 0.000E+00 | | 3.277E-01 | 1.649E-03 | 0.000E+00 | 0.000E+00 | | 9.103E-05 | 4.582E-07 | 0.000E+00 | 0.000E+00 | |
| 1000 - 1100 | 2.032E+00 | 1.024E-02 | 3.661E-03 | 3.661E-03 | | 2.257E-01 | 1.138E-03 | 4.068E-04 | 4.068E-04 | | 2.172E-01 | 1.095E-03 | 0.000E+00 | 0.000E+00 | | 2.498E+00 | 1.259E-02 | 0.000E+00 | 0.000E+00 | | 6.938E-04 | 3.498E-06 | 0.000E+00 | 0.000E+00 | |
| 1100 - 1200 | 6.772E-01 | 3.415E-03 | 1.220E-03 | 1.220E-03 | | 7.524E-02 | 3.794E-04 | 1.356E-04 | 1.356E-04 | | 7.670E-02 | 3.879E-04 | 0.000E+00 | 0.000E+00 | | 8.821E-01 | 4.461E-03 | 0.000E+00 | 0.000E+00 | | 2.450E-04 | 1.239E-06 | 0.000E+00 | 0.000E+00 | |
| 1200 - 1300 | 1.354E+00 | 6.830E-03 | 2.441E-03 | 2.441E-03 | | 1.505E-01 | 7.589E-04 | 2.712E-04 | 2.712E-04 | | 2.114E-01 | 1.068E-03 | 0.000E+00 | 0.000E+00 | | 2.432E+00 | 1.228E-02 | 0.000E+00 | 0.000E+00 | | 6.754E-04 | 3.411E-06 | 0.000E+00 | 0.000E+00 | |
| 1300 - 1400 | 6.772E-01 | 3.415E-03 | 1.220E-03 | 1.220E-03 | | 7.524E-02 | 3.794E-04 | 1.356E-04 | 1.356E-04 | | 7.670E-02 | 3.879E-04 | 0.000E+00 | 0.000E+00 | | 8.821E-01 | 4.461E-03 | 0.000E+00 | 0.000E+00 | | 2.450E-04 | 1.239E-06 | 0.000E+00 | 0.000E+00 | |
| 1400 - 1500 | 1.354E+00 | 6.830E-03 | 2.441E-03 | 2.441E-03 | | 1.505E-01 | 7.589E-04 | 2.712E-04 | 2.712E-04 | | 1.477E-01 | 7.452E-04 | 0.000E+00 | 0.000E+00 | | 1.699E+00 | 8.570E-03 | 0.000E+00 | 0.000E+00 | | 4.719E-04 | 2.380E-06 | 0.000E+00 | 0.000E+00 | |
| 1500 - 1600 | 6.772E-01 | 3.415E-03 | 1.220E-03 | 1.220E-03 | | 7.524E-02 | 3.794E-04 | 1.356E-04 | 1.356E-04 | | 1.017E-01 | 5.139E-04 | 0.000E+00 | 0.000E+00 | | 1.170E+00 | 5.910E-03 | 0.000E+00 | 0.000E+00 | | 3.250E-04 | 1.642E-06 | 0.000E+00 | 0.000E+00 | |
| 1600 - 1700 | 6.772E-01 | 3.415E-03 | 1.220E-03 | 1.220E-03 | | 7.524E-02 | 3.794E-04 | 1.356E-04 | 1.356E-04 | | 4.599E-02 | 2.313E-04 | 0.000E+00 | 0.000E+00 | | 5.289E-01 | 2.660E-03 | 0.000E+00 | 0.000E+00 | | 1.469E-04 | 7.388E-07 | 0.000E+00 | 0.000E+00 | |
| 1700 - 1800 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1800 - 1900 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1900 - 2000 | 6.772E-01 | 3.415E-03 | 1.220E-03 | 1.220E-03 | | 7.524E-02 | 3.794E-04 | 1.356E-04 | 1.356E-04 | | 7.670E-02 | 3.879E-04 | 0.000E+00 | 0.000E+00 | | 8.821E-01 | 4.461E-03 | 0.000E+00 | 0.000E+00 | | 2.450E-04 | 1.239E-06 | 0.000E+00 | 0.000E+00 | |
| 2000 - 2100 | 6.772E-01 | 3.415E-03 | 1.220E-03 | 1.220E-03 | | 7.524E-02 | 3.794E-04 | 1.356E-04 | 1.356E-04 | | 7.670E-02 | 3.879E-04 | 0.000E+00 | 0.000E+00 | | 8.821E-01 | 4.461E-03 | 0.000E+00 | 0.000E+00 | | 2.450E-04 | 1.239E-06 | 0.000E+00 | 0.000E+00 | |
| 2100 - 2200 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2200 - 2300 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2300 - 2400 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |

## Hung Fuk Estate Minibus PTI

**Running Emission**

| | | |
|---|---|---|
| Average Travelling Distance within PTI = | 37 | m |
| Average Travelling Speed = | 15 | km/h |

| Hour | Frequency | Public Light Bus (Diesel + LPG) | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Running Emission Factor (g/km·vehicle) | | | | | Running Emission Within PTI (g) | | | | |
| | | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP |
| 0000 - 0100 | 0 | 8.876E-01 | 1.798E-01 | 4.050E-02 | 3.730E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0100 - 0200 | 0 | 8.876E-01 | 1.798E-01 | 4.050E-02 | 3.730E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0200 - 0300 | 0 | 8.876E-01 | 1.798E-01 | 4.050E-02 | 3.730E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0300 - 0400 | 0 | 8.876E-01 | 1.798E-01 | 4.050E-02 | 3.730E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0400 - 0500 | 0 | 8.876E-01 | 1.798E-01 | 4.050E-02 | 3.730E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0500 - 0600 | 6 | 8.876E-01 | 1.798E-01 | 4.050E-02 | 3.730E-02 | | 1.970E-01 | 3.992E-02 | 8.991E-03 | 8.281E-03 | |
| 0600 - 0700 | 0 | 8.876E-01 | 1.798E-01 | 4.050E-02 | 3.730E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0700 - 0800 | 2 | 8.876E-01 | 1.798E-01 | 4.050E-02 | 3.730E-02 | | 6.568E-02 | 1.331E-02 | 2.997E-03 | 2.760E-03 | |
| 0800 - 0900 | 1 | 8.876E-01 | 1.798E-01 | 4.050E-02 | 3.730E-02 | | 3.284E-02 | 6.653E-03 | 1.499E-03 | 1.380E-03 | |
| 0900 - 1000 | 1 | 8.876E-01 | 1.798E-01 | 4.050E-02 | 3.730E-02 | | 3.284E-02 | 6.653E-03 | 1.499E-03 | 1.380E-03 | |
| 1000 - 1100 | 3 | 8.876E-01 | 1.798E-01 | 4.050E-02 | 3.730E-02 | | 9.852E-02 | 1.996E-02 | 4.496E-03 | 4.140E-03 | |
| 1100 - 1200 | 1 | 8.876E-01 | 1.798E-01 | 4.050E-02 | 3.730E-02 | | 3.284E-02 | 6.653E-03 | 1.499E-03 | 1.380E-03 | |
| 1200 - 1300 | 2 | 8.876E-01 | 1.798E-01 | 4.050E-02 | 3.730E-02 | | 6.568E-02 | 1.331E-02 | 2.997E-03 | 2.760E-03 | |
| 1300 - 1400 | 1 | 8.876E-01 | 1.798E-01 | 4.050E-02 | 3.730E-02 | | 3.284E-02 | 6.653E-03 | 1.499E-03 | 1.380E-03 | |
| 1400 - 1500 | 2 | 8.876E-01 | 1.798E-01 | 4.050E-02 | 3.730E-02 | | 6.568E-02 | 1.331E-02 | 2.997E-03 | 2.760E-03 | |
| 1500 - 1600 | 1 | 8.876E-01 | 1.798E-01 | 4.050E-02 | 3.730E-02 | | 3.284E-02 | 6.653E-03 | 1.499E-03 | 1.380E-03 | |
| 1600 - 1700 | 1 | 8.876E-01 | 1.798E-01 | 4.050E-02 | 3.730E-02 | | 3.284E-02 | 6.653E-03 | 1.499E-03 | 1.380E-03 | |
| 1700 - 1800 | 0 | 8.876E-01 | 1.798E-01 | 4.050E-02 | 3.730E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1800 - 1900 | 0 | 8.876E-01 | 1.798E-01 | 4.050E-02 | 3.730E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1900 - 2000 | 1 | 8.876E-01 | 1.798E-01 | 4.050E-02 | 3.730E-02 | | 3.284E-02 | 6.653E-03 | 1.499E-03 | 1.380E-03 | |
| 2000 - 2100 | 1 | 8.876E-01 | 1.798E-01 | 4.050E-02 | 3.730E-02 | | 3.284E-02 | 6.653E-03 | 1.499E-03 | 1.380E-03 | |
| 2100 - 2200 | 0 | 8.876E-01 | 1.798E-01 | 4.050E-02 | 3.730E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2200 - 2300 | 0 | 8.876E-01 | 1.798E-01 | 4.050E-02 | 3.730E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2300 - 2400 | 0 | 8.876E-01 | 1.798E-01 | 4.050E-02 | 3.730E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |

**Idling Emission**

| | | |
|---|---|---|
| No. of PLB (Diesel) to No. of PLB (LPG) Ratio [1] = | 3.2 | |
| Idling Time for Non-terminating Public Light Buses = | 2 | min |

| Hour | Public Light Bus (Diesel) | | | | | | | | | | | Public Light Bus (LPG) | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Frequency | Hot Idling Emission Factor (g/min) | | | | | Hot Idling Emission (g) | | | | | Frequency | Hot Idling Emission Factor (g/min) | | | | | Hot Idling Emission (g) | | | |
| | | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP | | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP |
| 0000 - 0100 | 0 | 2.500E-02 | 9.723E-03 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.152E-01 | 1.589E-03 | 5.680E-04 | 5.680E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0100 - 0200 | 0 | 2.500E-02 | 9.723E-03 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.152E-01 | 1.589E-03 | 5.680E-04 | 5.680E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0200 - 0300 | 0 | 2.500E-02 | 9.723E-03 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.152E-01 | 1.589E-03 | 5.680E-04 | 5.680E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0300 - 0400 | 0 | 2.500E-02 | 9.723E-03 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.152E-01 | 1.589E-03 | 5.680E-04 | 5.680E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0400 - 0500 | 0 | 2.500E-02 | 9.723E-03 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.152E-01 | 1.589E-03 | 5.680E-04 | 5.680E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0500 - 0600 | 0 | 2.500E-02 | 9.723E-03 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.152E-01 | 1.589E-03 | 5.680E-04 | 5.680E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0600 - 0700 | 0 | 2.500E-02 | 9.723E-03 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.152E-01 | 1.589E-03 | 5.680E-04 | 5.680E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0700 - 0800 | 0 | 2.500E-02 | 9.723E-03 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.152E-01 | 1.589E-03 | 5.680E-04 | 5.680E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0800 - 0900 | 0 | 2.500E-02 | 9.723E-03 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.152E-01 | 1.589E-03 | 5.680E-04 | 5.680E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0900 - 1000 | 0 | 2.500E-02 | 9.723E-03 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.152E-01 | 1.589E-03 | 5.680E-04 | 5.680E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1000 - 1100 | 0 | 2.500E-02 | 9.723E-03 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.152E-01 | 1.589E-03 | 5.680E-04 | 5.680E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1100 - 1200 | 0 | 2.500E-02 | 9.723E-03 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.152E-01 | 1.589E-03 | 5.680E-04 | 5.680E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1200 - 1300 | 0 | 2.500E-02 | 9.723E-03 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.152E-01 | 1.589E-03 | 5.680E-04 | 5.680E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1300 - 1400 | 0 | 2.500E-02 | 9.723E-03 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.152E-01 | 1.589E-03 | 5.680E-04 | 5.680E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1400 - 1500 | 0 | 2.500E-02 | 9.723E-03 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.152E-01 | 1.589E-03 | 5.680E-04 | 5.680E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1500 - 1600 | 0 | 2.500E-02 | 9.723E-03 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.152E-01 | 1.589E-03 | 5.680E-04 | 5.680E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1600 - 1700 | 0 | 2.500E-02 | 9.723E-03 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.152E-01 | 1.589E-03 | 5.680E-04 | 5.680E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1700 - 1800 | 0 | 2.500E-02 | 9.723E-03 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.152E-01 | 1.589E-03 | 5.680E-04 | 5.680E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1800 - 1900 | 0 | 2.500E-02 | 9.723E-03 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.152E-01 | 1.589E-03 | 5.680E-04 | 5.680E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1900 - 2000 | 0 | 2.500E-02 | 9.723E-03 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.152E-01 | 1.589E-03 | 5.680E-04 | 5.680E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2000 - 2100 | 0 | 2.500E-02 | 9.723E-03 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.152E-01 | 1.589E-03 | 5.680E-04 | 5.680E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2100 - 2200 | 0 | 2.500E-02 | 9.723E-03 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.152E-01 | 1.589E-03 | 5.680E-04 | 5.680E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2200 - 2300 | 0 | 2.500E-02 | 9.723E-03 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.152E-01 | 1.589E-03 | 5.680E-04 | 5.680E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2300 - 2400 | 0 | 2.500E-02 | 9.723E-03 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.152E-01 | 1.589E-03 | 5.680E-04 | 5.680E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |

Remark:
[1] Population ratio of PLB (Diesel) to PLB (LPG) was extracted from Year 2030 data of EMFAC-HK.

## Hung Fuk Estate Minibus PTI

**Total Hourly Emission**

| Hour | Emission Within PTI | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Total Emission (g) (Running + Idling + Starting) | | | | | Total Emission Rate (g/s) | | | | |
| | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP |
| 0000 - 0100 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0100 - 0200 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0200 - 0300 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0300 - 0400 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0400 - 0500 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0500 - 0600 | 6.046E+00 | 7.865E-01 | 3.413E-02 | 3.342E-02 | | 1.680E-03 | 2.185E-04 | 9.480E-06 | 9.283E-06 | |
| 0600 - 0700 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0700 - 0800 | 1.856E+00 | 1.544E-01 | 1.138E-02 | 1.114E-02 | | 5.155E-04 | 4.288E-05 | 3.160E-06 | 3.094E-06 | |
| 0800 - 0900 | 9.590E-01 | 7.747E-02 | 5.688E-03 | 5.570E-03 | | 2.664E-04 | 2.152E-05 | 1.580E-06 | 1.547E-06 | |
| 0900 - 1000 | 9.100E-01 | 7.692E-02 | 5.688E-03 | 5.570E-03 | | 2.528E-04 | 2.137E-05 | 1.580E-06 | 1.547E-06 | |
| 1000 - 1100 | 2.991E+00 | 2.816E-01 | 1.706E-02 | 1.671E-02 | | 8.307E-04 | 7.821E-05 | 4.740E-06 | 4.641E-06 | |
| 1100 - 1200 | 9.590E-01 | 7.747E-02 | 5.688E-03 | 5.570E-03 | | 2.664E-04 | 2.152E-05 | 1.580E-06 | 1.547E-06 | |
| 1200 - 1300 | 1.978E+00 | 1.559E-01 | 1.138E-02 | 1.114E-02 | | 5.494E-04 | 4.331E-05 | 3.160E-06 | 3.094E-06 | |
| 1300 - 1400 | 9.590E-01 | 7.747E-02 | 5.688E-03 | 5.570E-03 | | 2.664E-04 | 2.152E-05 | 1.580E-06 | 1.547E-06 | |
| 1400 - 1500 | 1.913E+00 | 1.550E-01 | 1.138E-02 | 1.114E-02 | | 5.313E-04 | 4.305E-05 | 3.160E-06 | 3.094E-06 | |
| 1500 - 1600 | 9.846E-01 | 7.781E-02 | 5.688E-03 | 5.570E-03 | | 2.735E-04 | 2.161E-05 | 1.580E-06 | 1.547E-06 | |
| 1600 - 1700 | 9.280E-01 | 7.718E-02 | 5.688E-03 | 5.570E-03 | | 2.578E-04 | 2.144E-05 | 1.580E-06 | 1.547E-06 | |
| 1700 - 1800 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1800 - 1900 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1900 - 2000 | 9.590E-01 | 7.747E-02 | 5.688E-03 | 5.570E-03 | | 2.664E-04 | 2.152E-05 | 1.580E-06 | 1.547E-06 | |
| 2000 - 2100 | 9.590E-01 | 7.747E-02 | 5.688E-03 | 5.570E-03 | | 2.664E-04 | 2.152E-05 | 1.580E-06 | 1.547E-06 | |
| 2100 - 2200 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2200 - 2300 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2300 - 2400 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |

## Tan Kwai Tsuen Minibus PTI

**Starting Emission**

No. of PLB (Diesel) to No. of PLB (LPG) Ratio[2] = 3.2

| | Starting Emission Factor (g/trip) | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| NO | 4.250E-02 | 7.600E-02 | 1.020E-01 | 1.443E-01 | 1.785E-01 | 2.276E-01 | 3.458E-01 | 4.331E-01 | 6.370E-01 | 8.324E-01 |
| $NO_2$ | 1.836E-02 | 2.270E-02 | 3.900E-02 | 5.620E-02 | 6.940E-02 | 9.250E-02 | 1.340E-01 | 1.689E-01 | 2.477E-01 | 3.237E-01 |
| RSP | 1.000E-03 | 1.000E-03 | 1.000E-03 | 1.000E-03 | 1.000E-03 | 1.000E-03 | 1.000E-03 | 1.000E-03 | 1.000E-03 | 1.000E-03 |
| FSP | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| TSP | | | | | | | | | | |

| Hour | No. of Cold Starts of Public Light Bus (Diesel) | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Starting Time (min) | 5 | 10 | 20 | 30 | 40 | 50 | 60 | 120 | 180 | 240 | 300 | 360 | 420 | 480 | 540 | 600 | 660 | 720 |
| 0000 - 0100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0100 - 0200 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0200 - 0300 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0300 - 0400 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0400 - 0500 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0500 - 0600 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0600 - 0700 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0700 - 0800 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0800 - 0900 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0900 - 1000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1000 - 1100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1100 - 1200 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1200 - 1300 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1300 - 1400 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1400 - 1500 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1500 - 1600 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1600 - 1700 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1700 - 1800 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1800 - 1900 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1900 - 2000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2000 - 2100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2100 - 2200 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2200 - 2300 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2300 - 2400 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Remark:
[1] Number of cold starts were derived based on on-site observations at the PTIs and operators' published schedules, while idling time were obtained based on on-site observations at PTIs.
[2] Population ratio of PLB (Diesel) to PLB (LPG) was extracted from Year 2030 data of EMFAC-HK.

## Tan Kwai Tsuen Minibus PTI

**Cold Idling Emission**

| | | |
|---|---|---|
| Idling Time for Terminating Public Light Buses = | 2 | min |
| Idling Time for Adjusting Starting Emission = | 1 | min |

| Hour | Frequency | Public Light Bus (Diesel) | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Cold Idling Emission Factor (g/min) | | | | | Cold Idling Emission (g) | | | | | Hot Idling Emission Factor (g/min) | | | | | Hot Idling Emission (g) | | | | |
| | | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP |
| 0000 - 0100 | 0 | 4.420E-02 | 1.686E-02 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 2.500E-02 | 9.723E-03 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0100 - 0200 | 0 | 4.420E-02 | 1.686E-02 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 2.500E-02 | 9.723E-03 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0200 - 0300 | 0 | 4.420E-02 | 1.686E-02 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 2.500E-02 | 9.723E-03 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0300 - 0400 | 0 | 4.420E-02 | 1.686E-02 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 2.500E-02 | 9.723E-03 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0400 - 0500 | 0 | 4.420E-02 | 1.686E-02 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 2.500E-02 | 9.723E-03 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0500 - 0600 | 0 | 4.420E-02 | 1.686E-02 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 2.500E-02 | 9.723E-03 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0600 - 0700 | 0 | 4.420E-02 | 1.686E-02 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 2.500E-02 | 9.723E-03 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0700 - 0800 | 0 | 4.420E-02 | 1.686E-02 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 2.500E-02 | 9.723E-03 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0800 - 0900 | 0 | 4.420E-02 | 1.686E-02 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 2.500E-02 | 9.723E-03 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0900 - 1000 | 0 | 4.420E-02 | 1.686E-02 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 2.500E-02 | 9.723E-03 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1000 - 1100 | 0 | 4.420E-02 | 1.686E-02 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 2.500E-02 | 9.723E-03 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1100 - 1200 | 0 | 4.420E-02 | 1.686E-02 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 2.500E-02 | 9.723E-03 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1200 - 1300 | 0 | 4.420E-02 | 1.686E-02 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 2.500E-02 | 9.723E-03 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1300 - 1400 | 0 | 4.420E-02 | 1.686E-02 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 2.500E-02 | 9.723E-03 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1400 - 1500 | 0 | 4.420E-02 | 1.686E-02 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 2.500E-02 | 9.723E-03 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1500 - 1600 | 0 | 4.420E-02 | 1.686E-02 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 2.500E-02 | 9.723E-03 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1600 - 1700 | 0 | 4.420E-02 | 1.686E-02 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 2.500E-02 | 9.723E-03 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1700 - 1800 | 0 | 4.420E-02 | 1.686E-02 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 2.500E-02 | 9.723E-03 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1800 - 1900 | 0 | 4.420E-02 | 1.686E-02 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 2.500E-02 | 9.723E-03 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1900 - 2000 | 0 | 4.420E-02 | 1.686E-02 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 2.500E-02 | 9.723E-03 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2000 - 2100 | 0 | 4.420E-02 | 1.686E-02 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 2.500E-02 | 9.723E-03 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2100 - 2200 | 0 | 4.420E-02 | 1.686E-02 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.

## Tan Kwai Tsuen Minibus PTI

**Starting Emission**

| | | |
|---|---|---|
| No. of PLB (Diesel) to No. of PLB (LPG) Ratio [2] = | 3.2 | |

| | Starting Emission Factor (g/trip) | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NO | 1.810E+00 | 2.723E+00 | 4.332E+00 | 5.842E+00 | 6.605E+00 | 7.370E+00 | 7.788E+00 | 8.016E+00 | 7.990E+00 | 7.945E+00 | 7.884E+00 | 7.808E+00 | 7.716E+00 | 7.609E+00 | 7.486E+00 | 7.346E+00 | 7.195E+00 | 7.025E+00 |
| $NO_2$ | 9.100E-03 | 1.370E-02 | 2.190E-02 | 2.810E-02 | 3.360E-02 | 3.720E-02 | 3.930E-02 | 4.050E-02 | 4.030E-02 | 4.010E-02 | 3.980E-02 | 3.940E-02 | 3.910E-02 | 3.840E-02 | 3.780E-02 | 3.710E-02 | 3.630E-02 | 3.550E-02 |
| RSP | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 | 1.000E+00 |
| FSP | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| TSP | | | | | | | | | | | | | | | | | | |

| Hour Starting Time (min) | No. of Cold Starts of Public Light Bus (LPG) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5 | 10 | 20 | 30 | 40 | 50 | 60 | 120 | 180 | 240 | 300 | 360 | 420 | 480 | 540 | 600 | 660 | 720 |
| 0000 - 0100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0100 - 0200 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0200 - 0300 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0300 - 0400 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0400 - 0500 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0500 - 0600 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0600 - 0700 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0700 - 0800 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0800 - 0900 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0900 - 1000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1000 - 1100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1100 - 1200 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1200 - 1300 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1300 - 1400 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1400 - 1500 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1500 - 1600 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1600 - 1700 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1700 - 1800 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1800 - 1900 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1900 - 2000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2000 - 2100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2100 - 2200 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2200 - 2300 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2300 - 2400 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Remark:
[1] Number of cold starts were derived based on on-site observations at the PTIs and operators' published schedules, while sitting time were obtained based on on-site observations at PTIs.
[2] Population ratio of PLB (Diesel) to PLB (LPG) was extracted from Year 2030 data of EMFAC-HK.

## Tan Kwai Tsuen Minibus PTI

**Cold Idling Emission**

| | | |
|---|---|---|
| Idling time for Terminating Public Light Buses = | 2 | min |
| Idle Idling Time for Adjusting Starting Emission = | 1 | min |

| Hour | Frequency | Cold Idling Emission Factor (g/min) | | | | | Cold Idling Emission (g) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP |
| 0000 - 0100 | 0 | 2.425E-01 | 1.229E-03 | 5.680E-04 | 5.680E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0100 - 0200 | 0 | 2.425E-01 | 1.229E-03 | 5.680E-04 | 5.680E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0200 - 0300 | 0 | 2.425E-01 | 1.229E-03 | 5.680E-04 | 5.680E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0300 - 0400 | 0 | 2.425E-01 | 1.229E-03 | 5.680E-04 | 5.680E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0400 - 0500 | 0 | 2.425E-01 | 1.229E-03 | 5.680E-04 | 5.680E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0500 - 0600 | 0 | 2.425E-01 | 1.229E-03 | 5.680E-04 | 5.680E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0600 - 0700 | 0 | 2.425E-01 | 1.229E-03 | 5.680E-04 | 5.680E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0700 - 0800 | 0 | 2.425E-01 | 1.229E-03 | 5.680E-04 | 5.680E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0800 - 0900 | 0 | 2.425E-01 | 1.229E-03 | 5.680E-04 | 5.680E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0900 - 1000 | 0 | 2.425E-01 | 1.229E-03 | 5.680E-04 | 5.680E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1000 - 1100 | 0 | 2.425E-01 | 1.229E-03 | 5.680E-04 | 5.680E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1100 - 1200 | 0 | 2.425E-01 | 1.229E-03 | 5.680E-04 | 5.680E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1200 - 1300 | 0 | 2.425E-01 | 1.229E-03 | 5.680E-04 | 5.680E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1300 - 1400 | 0 | 2.425E-01 | 1.229E-03 | 5.680E-04 | 5.680E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1400 - 1500 | 0 | 2.425E-01 | 1.229E-03 | 5.680E-04 | 5.680E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1500 - 1600 | 0 | 2.425E-01 | 1.229E-03 | 5.680E-04 | 5.680E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1600 - 1700 | 0 | 2.425E-01 | 1.229E-03 | 5.680E-04 | 5.680E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1700 - 1800 | 0 | 2.425E-01 | 1.229E-03 | 5.680E-04 | 5.680E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1800 - 1900 | 0 | 2.425E-01 | 1.229E-03 | 5.680E-04 | 5.680E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1900 - 2000 | 0 | 2.425E-01 | 1.229E-03 | 5.680E-04 | 5.680E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2000 - 2100 | 0 | 2.425E-01 | 1.229E-03 | 5.680E-04 | 5.680E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2100 - 2200 | 0 | 2.425E-01 | 1.229E-03 | 5.680E-04 | 5.680E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2200 - 2300 | 0 | 2.425E-01 | 1.229E-03 | 5.680E-04 | 5.680E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2300 - 2400 | 0 | 2.425E-01 | 1.229E-03 | 5.680E-04 | 5.680E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |

| Average Distance from Starting Pegs to PTI Egress = | 7.5 | m |
|---|---|---|
| Average Speed Distance during PTIs = | 142.5 | m |

| Hour | Emission for Adjusting Starting Emission (g) | | | | | Adjusted Starting Emission Within PTI (g) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP |
| 0000 - 0100 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0100 - 0200 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0200 - 0300 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0300 - 0400 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0400 - 0500 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0500 - 0600 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0600 - 0700 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0700 - 0800 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0800 - 0900 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0900 - 1000 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1000 - 1100 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1100 - 1200 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1200 - 1300 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1300 - 1400 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1400 - 1500 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1500 - 1600 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1600 - 1700 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1700 - 1800 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1800 - 1900 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1900 - 2000 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2000 - 2100 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2100 - 2200 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2200 - 2300 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2300 - 2400 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |

## Tan Kwai Tsuen Minibus PTI

### Running Emission

| | | |
|---|---|---|
| Average Travelling Distance within PTI = | 15.0 | m |
| Average Travelling Speed = | 15 | km/h |

| Hour | Frequency | Public Light Bus (Diesel + LPG) | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Running Emission Factor (g/km·vehicle) | | | | | Running Emission Within PTI (g) | | | | |
| | | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP |
| 0000 - 0100 | 0 | 8.876E-01 | 1.798E-01 | 4.050E-02 | 3.730E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0100 - 0200 | 0 | 8.876E-01 | 1.798E-01 | 4.050E-02 | 3.730E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0200 - 0300 | 0 | 8.876E-01 | 1.798E-01 | 4.050E-02 | 3.730E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0300 - 0400 | 0 | 8.876E-01 | 1.798E-01 | 4.050E-02 | 3.730E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0400 - 0500 | 0 | 8.876E-01 | 1.798E-01 | 4.050E-02 | 3.730E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0500 - 0600 | 0 | 8.876E-01 | 1.798E-01 | 4.050E-02 | 3.730E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0600 - 0700 | 5 | 8.876E-01 | 1.798E-01 | 4.050E-02 | 3.730E-02 | | 6.657E-02 | 1.349E-02 | 3.038E-03 | 2.798E-03 | |
| 0700 - 0800 | 5 | 8.876E-01 | 1.798E-01 | 4.050E-02 | 3.730E-02 | | 6.657E-02 | 1.349E-02 | 3.038E-03 | 2.798E-03 | |
| 0800 - 0900 | 6 | 8.876E-01 | 1.798E-01 | 4.050E-02 | 3.730E-02 | | 7.988E-02 | 1.618E-02 | 3.645E-03 | 3.357E-03 | |
| 0900 - 1000 | 6 | 8.876E-01 | 1.798E-01 | 4.050E-02 | 3.730E-02 | | 7.988E-02 | 1.618E-02 | 3.645E-03 | 3.357E-03 | |
| 1000 - 1100 | 4 | 8.876E-01 | 1.798E-01 | 4.050E-02 | 3.730E-02 | | 5.326E-02 | 1.079E-02 | 2.430E-03 | 2.238E-03 | |
| 1100 - 1200 | 4 | 8.876E-01 | 1.798E-01 | 4.050E-02 | 3.730E-02 | | 5.326E-02 | 1.079E-02 | 2.430E-03 | 2.238E-03 | |
| 1200 - 1300 | 5 | 8.876E-01 | 1.798E-01 | 4.050E-02 | 3.730E-02 | | 6.657E-02 | 1.349E-02 | 3.038E-03 | 2.798E-03 | |
| 1300 - 1400 | 5 | 8.876E-01 | 1.798E-01 | 4.050E-02 | 3.730E-02 | | 6.657E-02 | 1.349E-02 | 3.038E-03 | 2.798E-03 | |
| 1400 - 1500 | 4 | 8.876E-01 | 1.798E-01 | 4.050E-02 | 3.730E-02 | | 5.326E-02 | 1.079E-02 | 2.430E-03 | 2.238E-03 | |
| 1500 - 1600 | 4 | 8.876E-01 | 1.798E-01 | 4.050E-02 | 3.730E-02 | | 5.326E-02 | 1.079E-02 | 2.430E-03 | 2.238E-03 | |
| 1600 - 1700 | 4 | 8.876E-01 | 1.798E-01 | 4.050E-02 | 3.730E-02 | | 5.326E-02 | 1.079E-02 | 2.430E-03 | 2.238E-03 | |
| 1700 - 1800 | 4 | 8.876E-01 | 1.798E-01 | 4.050E-02 | 3.730E-02 | | 5.326E-02 | 1.079E-02 | 2.430E-03 | 2.238E-03 | |
| 1800 - 1900 | 5 | 8.876E-01 | 1.798E-01 | 4.050E-02 | 3.730E-02 | | 6.657E-02 | 1.349E-02 | 3.038E-03 | 2.798E-03 | |
| 1900 - 2000 | 5 | 8.876E-01 | 1.798E-01 | 4.050E-02 | 3.730E-02 | | 6.657E-02 | 1.349E-02 | 3.038E-03 | 2.798E-03 | |
| 2000 - 2100 | 5 | 8.876E-01 | 1.798E-01 | 4.050E-02 | 3.730E-02 | | 6.657E-02 | 1.349E-02 | 3.038E-03 | 2.798E-03 | |
| 2100 - 2200 | 6 | 8.876E-01 | 1.798E-01 | 4.050E-02 | 3.730E-02 | | 7.988E-02 | 1.618E-02 | 3.645E-03 | 3.357E-03 | |
| 2200 - 2300 | 4 | 8.876E-01 | 1.798E-01 | 4.050E-02 | 3.730E-02 | | 5.326E-02 | 1.079E-02 | 2.430E-03 | 2.238E-03 | |
| 2300 - 2400 | 1 | 8.876E-01 | 1.798E-01 | 4.050E-02 | 3.730E-02 | | 1.331E-02 | 2.697E-03 | 6.075E-04 | 5.595E-04 | |

### Idling Emission

| | | |
|---|---|---|
| No. of PLB (Diesel) to No. of PLB (LPG) Ratio [1] = | 3.2 | |
| Idling Time for Non-terminating Public Light Buses = | 2 | min |

| Hour | Frequency | Public Light Bus (Diesel) | | | | | | | | | | Public Light Bus (LPG) | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Hot Idling Emission Factor (g/min) | | | | | Hot Idling Emission (g) | | | | | Frequency | Hot Idling Emission Factor (g/min) | | | | | Hot Idling Emission (g) | | | | |
| | | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP | | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP |
| 0000 - 0100 | 0 | 2.500E-02 | 9.723E-03 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.152E-01 | 1.589E-03 | 5.680E-04 | 5.680E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0100 - 0200 | 0 | 2.500E-02 | 9.723E-03 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.152E-01 | 1.589E-03 | 5.680E-04 | 5.680E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0200 - 0300 | 0 | 2.500E-02 | 9.723E-03 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.152E-01 | 1.589E-03 | 5.680E-04 | 5.680E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0300 - 0400 | 0 | 2.500E-02 | 9.723E-03 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.152E-01 | 1.589E-03 | 5.680E-04 | 5.680E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0400 - 0500 | 0 | 2.500E-02 | 9.723E-03 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.152E-01 | 1.589E-03 | 5.680E-04 | 5.680E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0500 - 0600 | 0 | 2.500E-02 | 9.723E-03 | 4.333E-04 | 4.333E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.152E-01 | 1.589E-03 | 5.680E-04 | 5.680E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0600 - 0700 | 4 | 2.500E-02 | 9.723E-03 | 4.333E-04 | 4.333E-04 | | 1.903E-01 | 7.402E-02 | 3.299E-03 | 3.299E-03 | | 1 | 3.152E-01 | 1.589E-03 | 5.680E-04 | 5.680E-04 | | 7.524E-01 | 3.794E-03 | 1.356E-03 | 1.356E-03 | |
| 0700 - 0800 | 4 | 2.500E-02 | 9.723E-03 | 4.333E-04 | 4.333E-04 | | 1.903E-01 | 7.402E-02 | 3.299E-03 | 3.299E-03 | | 1 | 3.152E-01 | 1.589E-03 | 5.680E-04 | 5.680E-04 | | 7.524E-01 | 3.794E-03 | 1.356E-03 | 1.356E-03 | |
| 0800 - 0900 | 5 | 2.500E-02 | 9.723E-03 | 4.333E-04 | 4.333E-04 | | 2.283E-01 | 8.883E-02 | 3.959E-03 | 3.959E-03 | | 1 | 3.152E-01 | 1.589E-03 | 5.680E-04 | 5.680E-04 | | 9.029E-01 | 4.553E-03 | 1.627E-03 | 1.627E-03 | |
| 0900 - 1000 | 5 | 2.500E-02 | 9.723E-03 | 4.333E-04 | 4.333E-04 | | 2.283E-01 | 8.883E-02 | 3.959E-03 | 3.959E-03 | | 1 | 3.152E-01 | 1.589E-03 | 5.680E-04 | 5.680E-04 | | 9.029E-01 | 4.553E-03 | 1.627E-03 | 1.627E-03 | |
| 1000 - 1100 | 3 | 2.500E-02 | 9.723E-03 | 4.333E-04 | 4.333E-04 | | 1.522E-01 | 5.922E-02 | 2.639E-03 | 2.639E-03 | | 1 | 3.152E-01 | 1.589E-03 | 5.680E-04 | 5.680E-04 | | 6.019E-01 | 3.035E-03 | 1.085E-03 | 1.085E-03 | |
| 1100 - 1200 | 3 | 2.500E-02 | 9.723E-03 | 4.333E-04 | 4.333E-04 | | 1.522E-01 | 5.922E-02 | 2.639E-03 | 2.639E-03 | | 1 | 3.152E-01 | 1.589E-03 | 5.680E-04 | 5.680E-04 | | 6.019E-01 | 3.035E-03 | 1.085E-03 | 1.085E-03 | |
| 1200 - 1300 | 4 | 2.500E-02 | 9.723E-03 | 4.333E-04 | 4.333E-04 | | 1.903E-01 | 7.402E-02 | 3.299E-03 | 3.299E-03 | | 1 | 3.152E-01 | 1.589E-03 | 5.680E-04 | 5.680E-04 | | 7.524E-01 | 3.794E-03 | 1.356E-03 | 1.356E-03 | |
| 1300 - 1400 | 4 | 2.500E-02 | 9.723E-03 | 4.333E-04 | 4.333E-04 | | 1.903E-01 | 7.402E-02 | 3.299E-03 | 3.299E-03 | | 1 | 3.152E-01 | 1.589E-03 | 5.680E-04 | 5.680E-04 | | 7.524E-01 | 3.794E-03 | 1.356E-03 | 1.356E-03 | |
| 1400 - 1500 | 3 | 2.500E-02 | 9.723E-03 | 4.333E-04 | 4.333E-04 | | 1.522E-01 | 5.922E-02 | 2.639E-03 | 2.639E-03 | | 1 | 3.152E-01 | 1.589E-03 | 5.680E-04 | 5.680E-04 | | 6.019E-01 | 3.035E-03 | 1.085E-03 | 1.085E-03 | |
| 1500 - 1600 | 3 | 2.500E-02 | 9.723E-03 | 4.333E-04 | 4.333E-04 | | 1.522E-01 | 5.922E-02 | 2.639E-03 | 2.639E-03 | | 1 | 3.152E-01 | 1.589E-03 | 5.680E-04 | 5.680E-04 | | 6.019E-01 | 3.035E-03 | 1.085E-03 | 1.085E-03 | |
| 1600 - 1700 | 3 | 2.500E-02 | 9.723E-03 | 4.333E-04 | 4.333E-04 | | 1.522E-01 | 5.922E-02 | 2.639E-03 | 2.639E-03 | | 1 | 3.152E-01 | 1.589E-03 | 5.680E-04 | 5.680E-04 | | 6.019E-01 | 3.035E-03 | 1.085E-03 | 1.085E-03 | |
| 1700 - 1800 | 3 | 2.500E-02 | 9.723E-03 | 4.333E-04 | 4.333E-04 | | 1.522E-01 | 5.922E-02 | 2.639E-03 | 2.639E-03 | | 1 | 3.152E-01 | 1.589E-03 | 5.680E-04 | 5.680E-04 | | 6.019E-01 | 3.035E-03 | 1.085E-03 | 1.085E-03 | |
| 1800 - 1900 | 4 | 2.500E-02 | 9.723E-03 | 4.333E-04 | 4.333E-04 | | 1.903E-01 | 7.402E-02 | 3.299E-03 | 3.299E-03 | | 1 | 3.152E-01 | 1.589E-03 | 5.680E-04 | 5.680E-04 | | 7.524E-01 | 3.794E-03 | 1.356E-03 | 1.356E-03 | |
| 1900 - 2000 | 4 | 2.500E-02 | 9.723E-03 | 4.333E-04 | 4.333E-04 | | 1.903E-01 | 7.402E-02 | 3.299E-03 | 3.299E-03 | | 1 | 3.152E-01 | 1.589E-03 | 5.680E-04 | 5.680E-04 | | 7.524E-01 | 3.794E-03 | 1.356E-03 | 1.356E-03 | |
| 2000 - 2100 | 4 | 2.500E-02 | 9.723E-03 | 4.333E-04 | 4.333E-04 | | 1.903E-01 | 7.402E-02 | 3.299E-03 | 3.299E-03 | | 1 | 3.152E-01 | 1.589E-03 | 5.680E-04 | 5.680E-04 | | 7.524E-01 | 3.794E-03 | 1.356E-03 | 1.356E-03 | |
| 2100 - 2200 | 5 | 2.500E-02 | 9.723E-03 | 4.333E-04 | 4.333E-04 | | 2.283E-01 | 8.883E-02 | 3.959E-03 | 3.959E-03 | | 1 | 3.152E-01 | 1.589E-03 | 5.680E-04 | 5.680E-04 | | 9.029E-01 | 4.553E-03 | 1.627E-03 | 1.627E-03 | |
| 2200 - 2300 | 3 | 2.500E-02 | 9.723E-03 | 4.333E-04 | 4.333E-04 | | 1.522E-01 | 5.922E-02 | 2.639E-03 | 2.639E-03 | | 1 | 3.152E-01 | 1.589E-03 | 5.680E-04 | 5.680E-04 | | 6.019E-01 | 3.035E-03 | 1.085E-03 | 1.085E-03 | |
| 2300 - 2400 | 1 | 2.500E-02 | 9.723E-03 | 4.333E-04 | 4.333E-04 | | 3.806E-02 | 1.480E-02 | 6.598E-04 | 6.598E-04 | | 0 | 3.152E-01 | 1.589E-03 | 5.680E-04 | 5.680E-04 | | 1.505E-01 | 7.589E-04 | 2.712E-04 | 2.712E-04 | |

Remark:
[1] Population ratio of PLB (Diesel) to PLB (LPG) was extracted from Year 2030 data of EMFAC-HK.

## Tan Kwai Tsuen Minibus PTI

### Total Hourly Emission

| Hour | Emission Within PTI | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Total Emission (g) (Running + Idling + Starting) | | | | | Total Emission Rate (g/s) | | | | |
| | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP |
| 0000 - 0100 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0100 - 0200 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0200 - 0300 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0300 - 0400 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0400 - 0500 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0500 - 0600 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0600 - 0700 | 1.009E+00 | 9.130E-02 | 7.692E-03 | 7.452E-03 | | 2.804E-04 | 2.536E-05 | 2.137E-06 | 2.070E-06 | |
| 0700 - 0800 | 1.009E+00 | 9.130E-02 | 7.692E-03 | 7.452E-03 | | 2.804E-04 | 2.536E-05 | 2.137E-06 | 2.070E-06 | |
| 0800 - 0900 | 1.211E+00 | 1.096E-01 | 9.231E-03 | 8.943E-03 | | 3.364E-04 | 3.043E-05 | 2.564E-06 | 2.484E-06 | |
| 0900 - 1000 | 1.211E+00 | 1.096E-01 | 9.231E-03 | 8.943E-03 | | 3.364E-04 | 3.043E-05 | 2.564E-06 | 2.484E-06 | |
| 1000 - 1100 | 8.074E-01 | 7.304E-02 | 6.154E-03 | 5.962E-03 | | 2.243E-04 | 2.029E-05 | 1.709E-06 | 1.656E-06 | |
| 1100 - 1200 | 8.074E-01 | 7.304E-02 | 6.154E-03 | 5.962E-03 | | 2.243E-04 | 2.029E-05 | 1.709E-06 | 1.656E-06 | |
| 1200 - 1300 | 1.009E

## MTR Bus Depot

**Running Emission**

| | | |
|---|---|---|
| Average Travelling Distance within PTI = | 296 | m |
| Average Travelling Speed = | 10 | km/h |

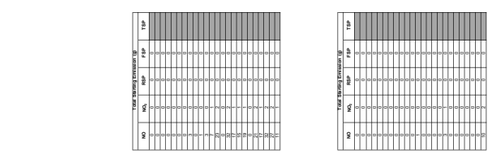
| Hour | Double-Deck Franchised Bus | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Frequency | Running Emission Factor (g/km·vehicle) | | | | | Running Emission Within PTI (g) | | | | | |
| | | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP | |
| 0000 - 0100 | 0 | 1.059E+01 | 7.122E-01 | 3.809E-01 | 3.504E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | |
| 0100 - 0200 | 0 | 1.059E+01 | 7.122E-01 | 3.809E-01 | 3.504E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | |
| 0200 - 0300 | 0 | 1.059E+01 | 7.122E-01 | 3.809E-01 | 3.504E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | |
| 0300 - 0400 | 0 | 1.059E+01 | 7.122E-01 | 3.809E-01 | 3.504E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | |
| 0400 - 0500 | 0 | 1.059E+01 | 7.122E-01 | 3.809E-01 | 3.504E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | |
| 0500 - 0600 | 0 | 1.059E+01 | 7.122E-01 | 3.809E-01 | 3.504E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | |
| 0600 - 0700 | 0 | 1.059E+01 | 7.122E-01 | 3.809E-01 | 3.504E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | |
| 0700 - 0800 | 2 | 1.059E+01 | 7.122E-01 | 3.809E-01 | 3.504E-01 | | 6.272E+00 | 4.216E-01 | 2.255E-01 | 2.074E-01 | | |
| 0800 - 0900 | 0 | 1.059E+01 | 7.122E-01 | 3.809E-01 | 3.504E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | |
| 0900 - 1000 | 1 | 1.059E+01 | 7.122E-01 | 3.809E-01 | 3.504E-01 | | 3.136E+00 | 2.108E-01 | 1.127E-01 | 1.037E-01 | | |
| 1000 - 1100 | 1 | 1.059E+01 | 7.122E-01 | 3.809E-01 | 3.504E-01 | | 3.136E+00 | 2.108E-01 | 1.127E-01 | 1.037E-01 | | |
| 1100 - 1200 | 1 | 1.059E+01 | 7.122E-01 | 3.809E-01 | 3.504E-01 | | 3.136E+00 | 2.108E-01 | 1.127E-01 | 1.037E-01 | | |
| 1200 - 1300 | 3 | 1.059E+01 | 7.122E-01 | 3.809E-01 | 3.504E-01 | | 9.408E+00 | 6.324E-01 | 3.382E-01 | 3.112E-01 | | |
| 1300 - 1400 | 0 | 1.059E+01 | 7.122E-01 | 3.809E-01 | 3.504E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | |
| 1400 - 1500 | 2 | 1.059E+01 | 7.122E-01 | 3.809E-01 | 3.504E-01 | | 6.272E+00 | 4.216E-01 | 2.255E-01 | 2.074E-01 | | |
| 1500 - 1600 | 2 | 1.059E+01 | 7.122E-01 | 3.809E-01 | 3.504E-01 | | 6.272E+00 | 4.216E-01 | 2.255E-01 | 2.074E-01 | | |
| 1600 - 1700 | 1 | 1.059E+01 | 7.122E-01 | 3.809E-01 | 3.504E-01 | | 3.136E+00 | 2.108E-01 | 1.127E-01 | 1.037E-01 | | |
| 1700 - 1800 | 2 | 1.059E+01 | 7.122E-01 | 3.809E-01 | 3.504E-01 | | 6.272E+00 | 4.216E-01 | 2.255E-01 | 2.074E-01 | | |
| 1800 - 1900 | 0 | 1.059E+01 | 7.122E-01 | 3.809E-01 | 3.504E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | |
| 1900 - 2000 | 2 | 1.059E+01 | 7.122E-01 | 3.809E-01 | 3.504E-01 | | 6.272E+00 | 4.216E-01 | 2.255E-01 | 2.074E-01 | | |
| 2000 - 2100 | 5 | 1.059E+01 | 7.122E-01 | 3.809E-01 | 3.504E-01 | | 1.568E+01 | 1.054E+00 | 5.637E-01 | 5.186E-01 | | |
| 2100 - 2200 | 3 | 1.059E+01 | 7.122E-01 | 3.809E-01 | 3.504E-01 | | 9.408E+00 | 6.324E-01 | 3.382E-01 | 3.112E-01 | | |
| 2200 - 2300 | 4 | 1.059E+01 | 7.122E-01 | 3.809E-01 | 3.504E-01 | | 1.254E+01 | 8.432E-01 | 4.510E-01 | 4.149E-01 | | |
| 2300 - 2400 | 5 | 1.059E+01 | 7.122E-01 | 3.809E-01 | 3.504E-01 | | 1.568E+01 | 1.054E+00 | 5.637E-01 | 5.186E-01 | | |

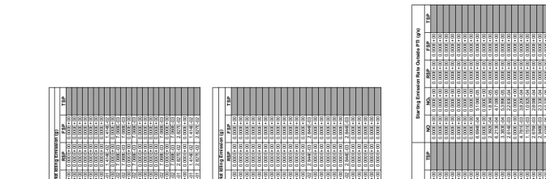
| Hour | Single-Deck Franchised Bus | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Frequency | Running Emission Factor (g/km·vehicle) | | | | | Running Emission Within PTI (g) | | | | | |
| | | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP | |
| 0000 - 0100 | 0 | ######## | 5.361E-01 | 8.340E-02 | 7.680E-02 | | 0.000E+00 | ####### | ####### | ####### | | |
| 0100 - 0200 | 0 | ######## | 5.361E-01 | 8.340E-02 | 7.680E-02 | | 0.000E+00 | ####### | ####### | ####### | | |
| 0200 - 0300 | 0 | ######## | 5.361E-01 | 8.340E-02 | 7.680E-02 | | 0.000E+00 | ####### | ####### | ####### | | |
| 0300 - 0400 | 0 | ######## | 5.361E-01 | 8.340E-02 | 7.680E-02 | | 0.000E+00 | ####### | ####### | ####### | | |
| 0400 - 0500 | 0 | ######## | 5.361E-01 | 8.340E-02 | 7.680E-02 | | 0.000E+00 | ####### | ####### | ####### | | |
| 0500 - 0600 | 0 | ######## | 5.361E-01 | 8.340E-02 | 7.680E-02 | | 0.000E+00 | ####### | ####### | ####### | | |
| 0600 - 0700 | 0 | ######## | 5.361E-01 | 8.340E-02 | 7.680E-02 | | 0.000E+00 | ####### | ####### | ####### | | |
| 0700 - 0800 | 0 | ######## | 5.361E-01 | 8.340E-02 | 7.680E-02 | | 1.750E+00 | 3.174E-01 | 4.937E-02 | 4.547E-02 | | |
| 0800 - 0900 | 0 | ######## | 5.361E-01 | 8.340E-02 | 7.680E-02 | | 0.000E+00 | ####### | ####### | ####### | | |
| 0900 - 1000 | 0 | ######## | 5.361E-01 | 8.340E-02 | 7.680E-02 | | 8.752E-01 | 1.587E-01 | 2.469E-02 | 2.273E-02 | | |
| 1000 - 1100 | 0 | ######## | 5.361E-01 | 8.340E-02 | 7.680E-02 | | 8.752E-01 | 1.587E-01 | 2.469E-02 | 2.273E-02 | | |
| 1100 - 1200 | 1 | ######## | 5.361E-01 | 8.340E-02 | 7.680E-02 | | 8.752E-01 | 1.587E-01 | 2.469E-02 | 2.273E-02 | | |
| 1200 - 1300 | 1 | ######## | 5.361E-01 | 8.340E-02 | 7.680E-02 | | 2.625E+00 | 4.761E-01 | 7.406E-02 | 6.820E-02 | | |
| 1300 - 1400 | 0 | ######## | 5.361E-01 | 8.340E-02 | 7.680E-02 | | 0.000E+00 | ####### | ####### | ####### | | |
| 1400 - 1500 | 0 | ######## | 5.361E-01 | 8.340E-02 | 7.680E-02 | | 1.750E+00 | 3.174E-01 | 4.937E-02 | 4.547E-02 | | |
| 1500 - 1600 | 0 | ######## | 5.361E-01 | 8.340E-02 | 7.680E-02 | | 1.750E+00 | 3.174E-01 | 4.937E-02 | 4.547E-02 | | |
| 1600 - 1700 | 1 | ######## | 5.361E-01 | 8.340E-02 | 7.680E-02 | | 8.752E-01 | 1.587E-01 | 2.469E-02 | 2.273E-02 | | |
| 1700 - 1800 | 0 | ######## | 5.361E-01 | 8.340E-02 | 7.680E-02 | | 1.750E+00 | 3.174E-01 | 4.937E-02 | 4.547E-02 | | |
| 1800 - 1900 | 1 | ######## | 5.361E-01 | 8.340E-02 | 7.680E-02 | | 0.000E+00 | ####### | ####### | ####### | | |
| 1900 - 2000 | 0 | ######## | 5.361E-01 | 8.340E-02 | 7.680E-02 | | 1.750E+00 | 3.174E-01 | 4.937E-02 | 4.547E-02 | | |
| 2000 - 2100 | 0 | ######## | 5.361E-01 | 8.340E-02 | 7.680E-02 | | 4.376E+00 | 7.934E-01 | 1.234E-01 | 1.137E-01 | | |
| 2100 - 2200 | 0 | ######## | 5.361E-01 | 8.340E-02 | 7.680E-02 | | 2.625E+00 | 4.761E-01 | 7.406E-02 | 6.820E-02 | | |
| 2200 - 2300 | 0 | ######## | 5.361E-01 | 8.340E-02 | 7.680E-02 | | 3.501E+00 | 6.347E-01 | 9.875E-02 | 9.093E-02 | | |
| 2300 - 2400 | 4 | ######## | 5.361E-01 | 8.340E-02 | 7.680E-02 | | 4.376E+00 | 7.934E-01 | 1.234E-01 | 1.137E-01 | | |

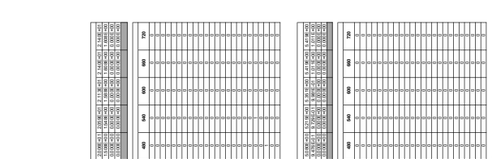
## MTR Bus Depot

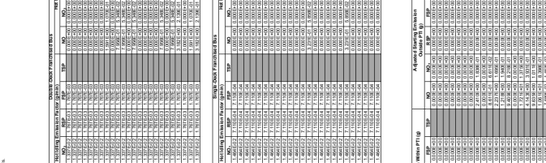
**Total Hourly Emission**

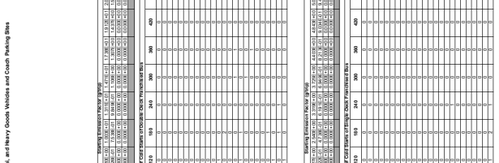
| Hour | Emission Within PTI | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Total Emission (g) (Running + Idling + Starting) | | | | | Total Emission Rate (g/s) | | | | |
| | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP |
| 0000 - 0100 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0100 - 0200 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0200 - 0300 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0300 - 0400 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0400 - 0500 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0500 - 0600 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0600 - 0700 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0700 - 0800 | 1.002E+01 | 8.766E-01 | 2.890E-01 | 2.670E-01 | | 2.782E-03 | 2.435E-04 | 8.028E-05 | 7.418E-05 | |
| 0800 - 0900 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0900 - 1000 | 4.950E+00 | 4.340E-01 | 1.445E-01 | 1.335E-01 | | 1.375E-03 | 1.206E-04 | 4.014E-05 | 3.709E-05 | |
| 1000 - 1100 | 5.180E+00 | 4.512E-01 | 1.445E-01 | 1.335E-01 | | 1.439E-03 | 1.253E-04 | 4.014E-05 | 3.709E-05 | |
| 1100 - 1200 | 3.137E+01 | 2.583E+00 | 1.473E-01 | 1.364E-01 | | 8.713E-03 | 7.175E-04 | 4.093E-05 | 3.788E-05 | |
| 1200 - 1300 | 6.279E+01 | 4.589E+00 | 4.363E-01 | 4.034E-01 | | 1.744E-02 | 1.275E-03 | 1.212E-04 | 1.121E-04 | |
| 1300 - 1400 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1400 - 1500 | 5.896E+01 | 4.199E+00 | 2.890E-01 | 2.670E-01 | | 1.638E-02 | 1.166E-03 | 8.028E-05 | 7.418E-05 | |
| 1500 - 1600 | 5.678E+01 | 4.036E+00 | 2.890E-01 | 2.670E-01 | | 1.577E-02 | 1.121E-03 | 8.028E-05 | 7.418E-05 | |
| 1600 - 1700 | 3.277E+01 | 2.719E+00 | 1.473E-01 | 1.364E-01 | | 9.102E-03 | 7.553E-04 | 4.093E-05 | 3.788E-05 | |
| 1700 - 1800 | 3.462E+01 | 2.548E+00 | 2.890E-01 | 2.670E-01 | | 9.616E-03 | 7.078E-04 | 8.028E-05 | 7.418E-05 | |
| 1800 - 1900 | 3.357E-01 | 6.100E-02 | 2.844E-03 | 2.844E-03 | | 9.325E-05 | 1.694E-05 | 7.900E-07 | 7.900E-07 | |
| 1900 - 2000 | 3.500E+01 | 2.577E+00 | 2.890E-01 | 2.670E-01 | | 9.723E-03 | 7.157E-04 | 8.028E-05 | 7.418E-05 | |
| 2000 - 2100 | 4.873E+01 | 3.794E+00 | 7.225E-01 | 6.676E-01 | | 1.353E-02 | 1.054E-03 | 2.007E-04 | 1.854E-04 | |
| 2100 - 2200 | 8.618E+01 | 6.129E+00 | 4.335E-01 | 4.006E-01 | | 2.394E-02 | 1.703E-03 | 1.204E-04 | 1.113E-04 | |
| 2200 - 2300 | 6.781E+01 | 4.988E+00 | 5.780E-01 | 5.341E-01 | | 1.883E-02 | 1.386E-03 | 1.606E-04 | 1.484E-04 | |
| 2300 - 2400 | 6.136E+01 | 6.182E+00 | 7.339E-01 | 6.790E-01 | | 1.704E-02 | 1.717E-03 | 2.039E-04 | 1.886E-04 | |

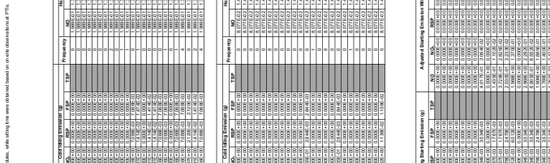


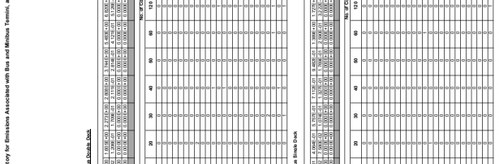


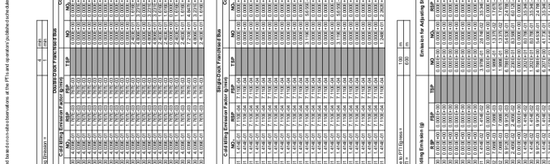


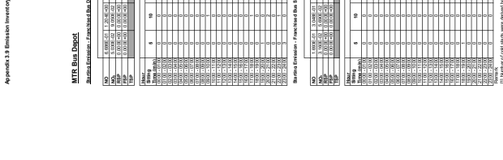


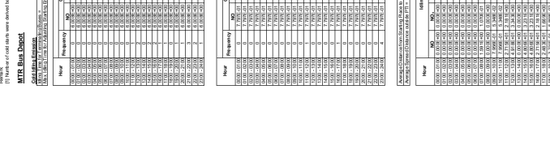












## Hung Shui Kiu (Hung Yuen Road) Bus PTI

**Starting Emission**

| | Starting Emission Factor (g/trip) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NO | 6.686E-01 | 1.204E+00 | 1.605E+00 | 2.273E+00 | 2.808E+00 | 3.744E+00 | 5.483E+00 | 6.820E+00 | 1.003E+01 | 1.311E+01 | 1.471E+01 | 1.738E+01 | 1.912E+01 | 2.006E+01 | 2.059E+01 | 2.113E+01 | 2.140E+01 | 2.140E+01 |
| $NO_2$ | 5.030E-02 | 9.050E-02 | 1.206E-01 | 1.709E-01 | 2.111E-01 | 2.814E-01 | 4.121E-01 | 5.126E-01 | 7.538E-01 | 9.849E-01 | 1.106E+00 | 1.307E+00 | 1.437E+00 | 1.508E+00 | 1.548E+00 | 1.588E+00 | 1.608E+00 | 1.608E+00 |
| RSP | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| FSP | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| TSP | | | | | | | | | | | | | | | | | | |

| Hour | No. of Cold Starts of Double-Deck Franchised Bus | | | | | | | | | | | | | | | | | | Total Starting Emission (g) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sitting Time (min) | 5 | 10 | 20 | 30 | 40 | 50 | 60 | 120 | 180 | 240 | 300 | 360 | 420 | 480 | 540 | 600 | 660 | 720 | NO | $NO_2$ | RSP | FSP | TSP |
| 0000 - 0100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 0100 - 0200 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 0200 - 0300 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 0300 - 0400 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 0400 - 0500 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | |
| 0500 - 0600 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 | 1 | 0 | 0 | |
| 0600 - 0700 | 3 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 1 | 0 | 0 | |
| 0700 - 0800 | 6 | 4 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 1 | 0 | 0 | |
| 0800 - 0900 | 0 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 1 | 0 | 0 | |
| 0900 - 1000 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | |
| 1000 - 1100 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | |
| 1100 - 1200 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | |
| 1200 - 1300 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 1 | 0 | 0 | |
| 1300 - 1400 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 1 | 0 | 0 | |
| 1400 - 1500 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | |
| 1500 - 1600 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9 | 1 | 0 | 0 | |
| 1600 - 1700 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 1 | 0 | 0 | |
| 1700 - 1800 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | |
| 1800 - 1900 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | |
| 1900 - 2000 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | |
| 2000 - 2100 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | |
| 2100 - 2200 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 12 | 1 | 0 | 0 | |
| 2200 - 2300 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 2300 - 2400 | 6 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 1 | 0 | 0 | |

Remark:
[1] Number of cold starts were derived based on on-site observations at the PTIs and operators' published schedules, while sitting time were obtained based on on-site observations at PTIs.

## Hung Shui Kiu (Hung Yuen Road) Bus PTI

**Cold Idling Emission**

| | | |
|---|---|---|
| Idling Time for Terminating Buses = | 2 | min |
| Max. Idling Time for Adjusting Starting Emission = | 1 | min |

| Hour | Double-Deck Franchised Bus | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Frequency | Cold Idling Emission Factor (g/min) | | | | | Cold Idling Emission (g) | | | | | Frequency | Hot Idling Emission Factor (g/min) | | | | | Hot Idling Emission (g) | | | | |
| | | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP | | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP |
| 0000 - 0100 | 0 | 6.008E+00 | 4.039E-01 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0100 - 0200 | 0 | 6.008E+00 | 4.039E-01 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0200 - 0300 | 0 | 6.008E+00 | 4.039E-01 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0300 - 0400 | 0 | 6.008E+00 | 4.039E-01 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0400 - 0500 | 0 | 6.008E+00 | 4.039E-01 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 1 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 3.978E-01 | 2.674E-02 | 3.534E-03 | 3.534E-03 | |
| 0500 - 0600 | 1 | 6.008E+00 | 4.039E-01 | 1.767E-03 | 1.767E-03 | | 1.202E+01 | 8.078E-01 | 3.534E-03 | 3.534E-03 | | 1 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 3.978E-01 | 2.674E-02 | 3.534E-03 | 3.534E-03 | |
| 0600 - 0700 | 0 | 6.008E+00 | 4.039E-01 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 6 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 2.387E+00 | 1.604E-01 | 2.120E-02 | 2.120E-02 | |
| 0700 - 0800 | 0 | 6.008E+00 | 4.039E-01 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 12 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 4.774E+00 | 3.209E-01 | 4.241E-02 | 4.241E-02 | |
| 0800 - 0900 | 0 | 6.008E+00 | 4.039E-01 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 5 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 1.989E+00 | 1.337E-01 | 1.767E-02 | 1.767E-02 | |
| 0900 - 1000 | 0 | 6.008E+00 | 4.039E-01 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 1 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 3.978E-01 | 2.674E-02 | 3.534E-03 | 3.534E-03 | |
| 1000 - 1100 | 0 | 6.008E+00 | 4.039E-01 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 2 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 7.956E-01 | 5.348E-02 | 7.068E-03 | 7.068E-03 | |
| 1100 - 1200 | 1 | 6.008E+00 | 4.039E-01 | 1.767E-03 | 1.767E-03 | | 1.202E+01 | 8.078E-01 | 3.534E-03 | 3.534E-03 | | 0 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1200 - 1300 | 1 | 6.008E+00 | 4.039E-01 | 1.767E-03 | 1.767E-03 | | 1.202E+01 | 8.078E-01 | 3.534E-03 | 3.534E-03 | | 2 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 7.956E-01 | 5.348E-02 | 7.068E-03 | 7.068E-03 | |
| 1300 - 1400 | 1 | 6.008E+00 | 4.039E-01 | 1.767E-03 | 1.767E-03 | | 1.202E+01 | 8.078E-01 | 3.534E-03 | 3.534E-03 | | 0 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1400 - 1500 | 0 | 6.008E+00 | 4.039E-01 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 1 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 3.978E-01 | 2.674E-02 | 3.534E-03 | 3.534E-03 | |
| 1500 - 1600 | 1 | 6.008E+00 | 4.039E-01 | 1.767E-03 | 1.767E-03 | | 1.202E+01 | 8.078E-01 | 3.534E-03 | 3.534E-03 | | 1 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 3.978E-01 | 2.674E-02 | 3.534E-03 | 3.534E-03 | |
| 1600 - 1700 | 1 | 6.008E+00 | 4.039E-01 | 1.767E-03 | 1.767E-03 | | 1.202E+01 | 8.078E-01 | 3.534E-03 | 3.534E-03 | | 1 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 3.978E-01 | 2.674E-02 | 3.534E-03 | 3.534E-03 | |
| 1700 - 1800 | 0 | 6.008E+00 | 4.039E-01 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 2 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 7.956E-01 | 5.348E-02 | 7.068E-03 | 7.068E-03 | |
| 1800 - 1900 | 0 | 6.008E+00 | 4.039E-01 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 1 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 3.978E-01 | 2.674E-02 | 3.534E-03 | 3.534E-03 | |
| 1900 - 2000 | 0 | 6.008E+00 | 4.039E-01 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 2 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 7.956E-01 | 5.348E-02 | 7.068E-03 | 7.068E-03 | |
| 2000 - 2100 | 0 | 6.008E+00 | 4.039E-01 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 2 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 7.956E-01 | 5.348E-02 | 7.068E-03 | 7.068E-03 | |
| 2100 - 2200 | 2 | 6.008E+00 | 4.039E-01 | 1.767E-03 | 1.767E-03 | | 2.403E+01 | 1.616E+00 | 7.068E-03 | 7.068E-03 | | 0 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2200 - 2300 | 0 | 6.008E+00 | 4.039E-01 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2300 - 2400 | 0 | 6.008E+00 | 4.039E-01 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 7 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 2.785E+00 | 1.872E-01 | 2.474E-02 | 2.474E-02 | |

| | | |
|---|---|---|
| Average Distance from Starting Place to PTI Egress = | 46 | m |
| Average Spread Distance outside PTI = | 654 | m |

| Hour | Idling Emission (g) | | | | | Emission for Adjusting Starting Emission (g) | | | | | Adjusted Starting Emission Within PTI (g) | | | | | Adjusted Starting Emission Outside PTI (g) | | | | | Starting Emission Rate Outside PTI (g/s) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP |
| 0000 - 0100 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0100 - 0200 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0200 - 0300 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0300 - 0400 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0400 - 0500 | 3.978E-01 | 2.674E-02 | 3.534E-03 | 3.534E-03 | | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 6.602E-02 | 5.068E-03 | 0.000E+00 | 0.000E+00 | | 9.386E-01 | 7.206E-02 | 0.000E+00 | 0.000E+00 | | 2.607E-04 | 2.002E-05 | 0.000E+00 | 0.000E+00 | |
| 0500 - 0600 | 1.241E+01 | 8.345E-01 | 7.068E-03 | 7.068E-03 | | 6.207E+00 | 4.173E-01 | 3.534E-03 | 3.534E-03 | | 6.642E-01 | 5.315E-02 | 0.000E+00 | 0.000E+00 | | 9.443E+00 | 7.557E-01 | 0.000E+00 | 0.000E+00 | | 2.623E-03 | 2.099E-04 | 0.000E+00 | 0.000E+00 | |
| 0600 - 0700 | 2.387E+00 | 1.604E-01 | 2.120E-02 | 2.120E-02 | | 1.193E+00 | 8.022E-02 | 1.060E-02 | 1.060E-02 | | 3.609E-01 | 2.777E-02 | 0.000E+00 | 0.000E+00 | | 5.132E+00 | 3.948E-01 | 0.000E+00 | 0.000E+00 | | 1.425E-03 | 1.097E-04 | 0.000E+00 | 0.000E+00 | |
| 0700 - 0800 | 4.774E+00 | 3.209E-01 | 4.241E-02 | 4.241E-02 | | 2.387E+00 | 1.604E-01 | 2.120E-02 | 2.120E-02 | | 6.780E-01 | 5.223E-02 | 0.000E+00 | 0.000E+00 | | 9.639E+00 | 7.426E-01 | 0.000E+00 | 0.000E+00 | | 2.677E-03 | 2.063E-04 | 0.000E+00 | 0.000E+00 | |
| 0800 - 0900 | 1.989E+00 | 1.337E-01 | 1.767E-02 | 1.767E-02 | | 9.945E-01 | 6.685E-02 | 8.835E-03 | 8.835E-03 | | 4.092E-01 | 3.128E-02 | 0.000E+00 | 0.000E+00 | | 5.817E+00 | 4.447E-01 | 0.000E+00 | 0.000E+00 | | 1.616E-03 | 1.235E-04 | 0.000E+00 | 0.000E+00 | |
| 0900 - 1000 | 3.978E-01 | 2.674E-02 | 3.534E-03 | 3.534E-03 | | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 6.602E-02 | 5.068E-03 | 0.000E+00 | 0.000E+00 | | 9.386E-01 | 7.206E-02 | 0.000E+00 | 0.000E+00 | | 2.607E-04 | 2.002E-05 | 0.000E+00 | 0.000E+00 | |
| 1000 - 1100 | 7.956E-01 | 5.348E-02 | 7.068E-03 | 7.068E-03 | | 3.978E-01 | 2.674E-02 | 3.534E-03 | 3.534E-03 | | 2.287E-01 | 1.740E-02 | 0.000E+00 | 0.000E+00 | | 3.251E+00 | 2.474E-01 | 0.000E+00 | 0.000E+00 | | 9.032E-04 | 6.871E-05 | 0.000E+00 | 0.000E+00 | |
| 1100 - 1200 | 1.202E+01 | 8.078E-01 | 3.534E-03 | 3.534E-03 | | 6.008E+00 | 4.039E-01 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 5.402E-04 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 7.680E-03 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 2.133E-06 | 0.000E+00 | 0.000E+00 | |
| 1200 - 1300 | 1.281E+01 | 8.612E-01 | 1.060E-02 | 1.060E-02 | | 6.406E+00 | 4.306E-01 | 5.301E-03 | 5.301E-03 | | 2.821E-01 | 2.454E-02 | 0.000E+00 | 0.000E+00 | | 4.010E+00 | 3.489E-01 | 0.000E+00 | 0.000E+00 | | 1.114E-03 | 9.693E-05 | 0.000E+00 | 0.000E+00 | |
| 1300 - 1400 | 1.202E+01 | 8.078E-01 | 3.534E-03 | 3.534E-03 | | 6.008E+00 | 4.039E-01 | 1.767E-03 | 1.767E-03 | | 5.335E-02 | 7.144E-03 | 0.000E+00 | 0.000E+00 | | 7.585E-01 | 1.016E-01 | 0.000E+00 | 0.000E+00 | | 2.107E-04 | 2.822E-05 | 0.000E+00 | 0.000E+00 | |
| 1400 - 1500 | 3.978E-01 | 2.674E-02 | 3.534E-03 | 3.534E-03 | | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 1.363E-01 | 1.035E-02 | 0.000E+00 | 0.000E+00 | | 1.938E+00 | 1.472E-01 | 0.000E+00 | 0.000E+00 | | 5.384E-04 | 4.088E-05 | 0.000E+00 | 0.000E+00 | |
| 1500 - 1600 | 1.241E+01 | 8.345E-01 | 7.068E-03 | 7.068E-03 | | 6.207E+00 | 4.173E-01 | 3.534E-03 | 3.534E-03 | | 1.897E-01 | 1.750E-02 | 0.000E+00 | 0.000E+00 | | 2.697E+00 | 2.488E-01 | 0.000E+00 | 0.000E+00 | | 7.491E-04 | 6.910E-05 | 0.000E+00 | 0.000E+00 | |
| 1600 - 1700 | 1.241E+01 | 8.345E-01 | 7.068E-03 | 7.068E-03 | | 6.207E+00 | 4.173E-01 | 3.534E-03 | 3.534E-03 | | 2.248E-01 | 2.014E-02 | 0.000E+00 | 0.000E+00 | | 3.196E+00 | 2.863E-01 | 0.000E+00 | 0.000E+00 | | 8.879E-04 | 7.953E-05 | 0.000E+00 | 0.000E+00 | |
| 1700 - 1800 | 7.956E-01 | 5.348E-02 | 7.068E-03 | 7.068E-03 | | 3.978E-01 | 2.674E-02 | 3.534E-03 | 3.534E-03 | | 1.584E-01 | 1.211E-02 | 0.000E+00 | 0.000E+00 | | 2.252E+00 | 1.722E-01 | 0.000E+00 | 0.000E+00 | | 6.256E-04 | 4.785E-05 | 0.000E+00 | 0.000E+00 | |
| 1800 - 1900 | 3.978E-01 | 2.674E-02 | 3.534E-03 | 3.534E-03 | | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 6.602E-02 | 5.068E-03 | 0.000E+00 | 0.000E+00 | | 9.386E-01 | 7.206E-02 | 0.000E+00 | 0.000E+00 | | 2.607E-04 | 2.002E-05 | 0.000E+00 | 0.000E+00 | |
| 1900 - 2000 | 7.956E-01 | 5.348E-02 | 7.068E-03 | 7.068E-03 | | 3.978E-01 | 2.674E-02 | 3.534E-03 | 3.534E-03 | | 1.584E-01 | 1.211E-02 | 0.000E+00 | 0.000E+00 | | 2.252E+00 | 1.722E-01 | 0.000E+00 | 0.000E+00 | | 6.256E-04 | 4.785E-05 | 0.000E+00 | 0.000E+00 | |
| 2000 - 2100 | 7.956E-01 | 5.348E-02 | 7.068E-03 | 7.068E-03 | | 3.978E-01 | 2.674E-02 | 3.534E-03 | 3.534E-03 | | 3.254E-01 | 2.466E-02 | 0.000E+00 | 0.000E+00 | | 4.626E+00 | 3.506E-01 | 0.000E+00 | 0.000E+00 | | 1.285E-03 | 9.739E-05 | 0.000E+00 | 0.000E+00 | |
| 2100 - 2200 | 2.403E+01 | 1.616E+00 | 7.068E-03 | 7.068E-03 | | 1.202E+01 | 8.078E-01 | 3.534E-03 | 3.534E-03 | | 1.883E-02 | 7.685E-03 | 0.000E+00 | 0.000E+00 | | 2.677E-01 | 1.093E-01 | 0.000E+00 | 0.000E+00 | | 7.437E-05 | 3.035E-05 | 0.000E+00 | 0.000E+00 | |
| 2200 - 2300 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2300 - 2400 | 2.785E+00 | 1.872E-01 | 2.474E-02 | 2.474E-02 | | 1.392E+00 | 9.360E-02 | 1.237E-02 | 1.237E-02 | | 3.567E-01 | 2.755E-02 | 0.000E+00 | 0.000E+00 | | 5.071E+00 | 3.917E-01 | 0.000E+00 | 0.000E+00 | | 1.409E-03 | 1.088E-04 | 0.000E+00 | 0.000E+00 | |

Appendix 3.9 Emission Inventory for Emissions Associated with Bus and Minibus Termini, and Heavy Goods Vehicles and Coach Parking Sites

## Hung Shui Kiu (Hung Yuen Road) Bus PTI

**Running Emission**

| | | |
|---|---|---|
| Average Travelling Distance within PTI = | 96 | m |
| Average Travelling Speed = | 10 | km/h |

| Hour | Double-Deck Franchised Bus | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Frequency | Running Emission Factor (g/km·vehicle) | | | | | Running Emission Within PTI (g) | | | | |
| | | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP |
| 0000 - 0100 | 0 | 1.059E+01 | 7.122E-01 | 3.809E-01 | 3.504E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0100 - 0200 | 0 | 1.059E+01 | 7.122E-01 | 3.809E-01 | 3.504E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0200 - 0300 | 0 | 1.059E+01 | 7.122E-01 | 3.809E-01 | 3.504E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0300 - 0400 | 0 | 1.059E+01 | 7.122E-01 | 3.809E-01 | 3.504E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0400 - 0500 | 1 | 1.059E+01 | 7.122E-01 | 3.809E-01 | 3.504E-01 | | 1.017E+00 | 6.837E-02 | 3.657E-02 | 3.364E-02 | |
| 0500 - 0600 | 2 | 1.059E+01 | 7.122E-01 | 3.809E-01 | 3.504E-01 | | 2.034E+00 | 1.367E-01 | 7.313E-02 | 6.728E-02 | |
| 0600 - 0700 | 6 | 1.059E+01 | 7.122E-01 | 3.809E-01 | 3.504E-01 | | 6.103E+00 | 4.102E-01 | 2.194E-01 | 2.018E-01 | |
| 0700 - 0800 | 12 | 1.059E+01 | 7.122E-01 | 3.809E-01 | 3.504E-01 | | 1.221E+01 | 8.205E-01 | 4.388E-01 | 4.037E-01 | |
| 0800 - 0900 | 5 | 1.059E+01 | 7.122E-01 | 3.809E-01 | 3.504E-01 | | 5.085E+00 | 3.419E-01 | 1.828E-01 | 1.682E-01 | |
| 0900 - 1000 | 1 | 1.059E+01 | 7.122E-01 | 3.809E-01 | 3.504E-01 | | 1.017E+00 | 6.837E-02 | 3.657E-02 | 3.364E-02 | |
| 1000 - 1100 | 2 | 1.059E+01 | 7.122E-01 | 3.809E-01 | 3.504E-01 | | 2.034E+00 | 1.367E-01 | 7.313E-02 | 6.728E-02 | |
| 1100 - 1200 | 1 | 1.059E+01 | 7.122E-01 | 3.809E-01 | 3.504E-01 | | 1.017E+00 | 6.837E-02 | 3.657E-02 | 3.364E-02 | |
| 1200 - 1300 | 3 | 1.059E+01 | 7.122E-01 | 3.809E-01 | 3.504E-01 | | 3.051E+00 | 2.051E-01 | 1.097E-01 | 1.009E-01 | |
| 1300 - 1400 | 1 | 1.059E+01 | 7.122E-01 | 3.809E-01 | 3.504E-01 | | 1.017E+00 | 6.837E-02 | 3.657E-02 | 3.364E-02 | |
| 1400 - 1500 | 1 | 1.059E+01 | 7.122E-01 | 3.809E-01 | 3.504E-01 | | 1.017E+00 | 6.837E-02 | 3.657E-02 | 3.364E-02 | |
| 1500 - 1600 | 2 | 1.059E+01 | 7.122E-01 | 3.809E-01 | 3.504E-01 | | 2.034E+00 | 1.367E-01 | 7.313E-02 | 6.728E-02 | |
| 1600 - 1700 | 2 | 1.059E+01 | 7.122E-01 | 3.809E-01 | 3.504E-01 | | 2.034E+00 | 1.367E-01 | 7.313E-02 | 6.728E-02 | |
| 1700 - 1800 | 2 | 1.059E+01 | 7.122E-01 | 3.809E-01 | 3.504E-01 | | 2.034E+00 | 1.367E-01 | 7.313E-02 | 6.728E-02 | |
| 1800 - 1900 | 1 | 1.059E+01 | 7.122E-01 | 3.809E-01 | 3.504E-01 | | 1.017E+00 | 6.837E-02 | 3.657E-02 | 3.364E-02 | |
| 1900 - 2000 | 2 | 1.059E+01 | 7.122E-01 | 3.809E-01 | 3.504E-01 | | 2.034E+00 | 1.367E-01 | 7.313E-02 | 6.728E-02 | |
| 2000 - 2100 | 2 | 1.059E+01 | 7.122E-01 | 3.809E-01 | 3.504E-01 | | 2.034E+00 | 1.367E-01 | 7.313E-02 | 6.728E-02 | |
| 2100 - 2200 | 2 | 1.059E+01 | 7.122E-01 | 3.809E-01 | 3.504E-01 | | 2.034E+00 | 1.367E-01 | 7.313E-02 | 6.728E-02 | |
| 2200 - 2300 | 0 | 1.059E+01 | 7.122E-01 | 3.809E-01 | 3.504E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2300 - 2400 | 7 | 1.059E+01 | 7.122E-01 | 3.809E-01 | 3.504E-01 | | 7.120E+00 | 4.786E-01 | 2.560E-01 | 2.355E-01 | |

**Idling Emission**

| | | |
|---|---|---|
| Idling Time for Non-terminating Buses = | 2 | min |

| Hour | Double-Deck Franchised Bus | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Frequency | Hot Idling Emission Factor (g/min) | | | | | Hot Idling Emission (g) | | | | |
| | | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP |
| 0000 - 0100 | 0 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0100 - 0200 | 0 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0200 - 0300 | 0 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0300 - 0400 | 0 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0400 - 0500 | 0 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0500 - 0600 | 0 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0600 - 0700 | 0 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0700 - 0800 | 0 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0800 - 0900 | 0 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0900 - 1000 | 0 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1000 - 1100 | 0 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1100 - 1200 | 0 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1200 - 1300 | 0 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1300 - 1400 | 0 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1400 - 1500 | 0 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1500 - 1600 | 0 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1600 - 1700 | 0 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1700 - 1800 | 0 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1800 - 1900 | 0 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1900 - 2000 | 0 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2000 - 2100 | 0 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2100 - 2200 | 0 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2200 - 2300 | 0 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2300 - 2400 | 0 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |

## Hung Shui Kiu (Hung Yuen Road) Bus PTI

**Total Hourly Emission**

| Hour | Emission Within PTI | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Total Emission (g) (Running + Idling + Starting) | | | | | Total Emission Rate (g/s) | | | | |
| | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP |
| 0000 - 0100 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0100 - 0200 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0200 - 0300 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0300 - 0400 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0400 - 0500 | 1.481E+00 | 1.002E-01 | 4.010E-02 | 3.717E-02 | | 4.114E-04 | 2.783E-05 | 1.114E-05 | 1.033E-05 | |
| 0500 - 0600 | 1.511E+01 | 1.024E+00 | 8.020E-02 | 7.434E-02 | | 4.198E-03 | 2.846E-04 | 2.228E-05 | 2.065E-05 | |
| 0600 - 0700 | 8.850E+00 | 5.984E-01 | 2.406E-01 | 2.230E-01 | | 2.458E-03 | 1.662E-04 | 6.683E-05 | 6.195E-05 | |
| 0700 - 0800 | 1.766E+01 | 1.194E+00 | 4.812E-01 | 4.461E-01 | | 4.905E-03 | 3.316E-04 | 1.337E-04 | 1.239E-04 | |
| 0800 - 0900 | 7.484E+00 | 5.068E-01 | 2.005E-01 | 1.859E-01 | | 2.079E-03 | 1.408E-04 | 5.570E-05 | 5.163E-05 | |
| 0900 - 1000 | 1.481E+00 | 1.002E-01 | 4.010E-02 | 3.717E-02 | | 4.114E-04 | 2.783E-05 | 1.114E-05 | 1.033E-05 | |
| 1000 - 1100 | 3.058E+00 | 2.076E-01 | 8.020E-02 | 7.434E-02 | | 8.496E-04 | 5.767E-05 | 2.228E-05 | 2.065E-05 | |
| 1100 - 1200 | 1.303E+01 | 8.767E-01 | 4.010E-02 | 3.717E-02 | | 3.620E-03 | 2.435E-04 | 1.114E-05 | 1.033E-05 | |
| 1200 - 1300 | 1.615E+01 | 1.091E+00 | 1.203E-01 | 1.115E-01 | | 4.485E-03 | 3.030E-04 | 3.342E-05 | 3.098E-05 | |
| 1300 - 1400 | 1.309E+01 | 8.833E-01 | 4.010E-02 | 3.717E-02 | | 3.635E-03 | 2.454E-04 | 1.114E-05 | 1.033E-05 | |
| 1400 - 1500 | 1.551E+00 | 1.055E-01 | 4.010E-02 | 3.717E-02 | | 4.309E-04 | 2.930E-05 | 1.114E-05 | 1.033E-05 | |
| 1500 - 1600 | 1.464E+01 | 9.887E-01 | 8.020E-02 | 7.434E-02 | | 4.066E-03 | 2.746E-04 | 2.228E-05 | 2.065E-05 | |
| 1600 - 1700 | 1.467E+01 | 9.914E-01 | 8.020E-02 | 7.434E-02 | | 4.076E-03 | 2.754E-04 | 2.228E-05 | 2.065E-05 | |
| 1700 - 1800 | 2.988E+00 | 2.023E-01 | 8.020E-02 | 7.434E-02 | | 8.301E-04 | 5.621E-05 | 2.228E-05 | 2.065E-05 | |
| 1800 - 1900 | 1.481E+00 | 1.002E-01 | 4.010E-02 | 3.717E-02 | | 4.114E-04 | 2.783E-05 | 1.114E-05 | 1.033E-05 | |
| 1900 - 2000 | 2.988E+00 | 2.023E-01 | 8.020E-02 | 7.434E-02 | | 8.301E-04 | 5.621E-05 | 2.228E-05 | 2.065E-05 | |
| 2000 - 2100 | 3.155E+00 | 2.149E-01 | 8.020E-02 | 7.434E-02 | | 8.764E-04 | 5.969E-05 | 2.228E-05 | 2.065E-05 | |
| 2100 - 2200 | 2.609E+01 | 1.760E+00 | 8.020E-02 | 7.434E-02 | | 7.246E-03 | 4.889E-04 | 2.228E-05 | 2.065E-05 | |
| 2200 - 2300 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2300 - 2400 | 1.026E+01 | 6.933E-01 | 2.807E-01 | 2.602E-01 | | 2.850E-03 | 1.926E-04 | 7.797E-05 | 7.228E-05 | |

Appendix 3.9 Emission Inventory for Emissions Associated with Bus and Minibus Termini, and Heavy Goods Vehicles and Coach Parking Sites

## Hung Fuk Estate Bus PTI (Roadside)

**Starting Emission**

| | Starting Emission Factor (g/trip) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NO | 6.686E-01 | 1.204E+00 | 1.605E+00 | 2.273E+00 | 2.808E+00 | 3.744E+00 | 5.483E+00 | 6.820E+00 | 1.003E+01 | 1.311E+01 | 1.471E+01 | 1.738E+01 | 1.912E+01 | 2.006E+01 | 2.059E+01 | 2.113E+01 | 2.140E+01 | 2.140E+01 |
| $NO_2$ | 5.030E-02 | 9.050E-02 | 1.206E-01 | 1.709E-01 | 2.111E-01 | 2.814E-01 | 4.121E-01 | 5.126E-01 | 7.538E-01 | 9.849E-01 | 1.106E+00 | 1.307E+00 | 1.437E+00 | 1.508E+00 | 1.548E+00 | 1.588E+00 | 1.608E+00 | 1.608E+00 |
| RSP | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| FSP | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| TSP | | | | | | | | | | | | | | | | | | |

| Hour | No. of Cold Starts of Double-Deck Franchised Bus | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sitting Time (min) | 5 | 10 | 20 | 30 | 40 | 50 | 60 | 120 | 180 | 240 | 300 | 360 | 420 | 480 | 540 | 600 | 660 | 720 |
| 0000 - 0100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0100 - 0200 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0200 - 0300 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0300 - 0400 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0400 - 0500 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0500 - 0600 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0600 - 0700 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0700 - 0800 | 5 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0800 - 0900 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0900 - 1000 | 0 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1000 - 1100 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1100 - 1200 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1200 - 1300 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1300 - 1400 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1400 - 1500 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1500 - 1600 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1600 - 1700 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1700 - 1800 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1800 - 1900 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1900 - 2000 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2000 - 2100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2100 - 2200 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2200 - 2300 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2300 - 2400 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| Hour | Total Starting Emission (g) | | | | |
|---|---|---|---|---|---|
| | NO | $NO_2$ | RSP | FSP | TSP |
| 0000 - 0100 | 0 | 0 | 0 | 0 | |
| 0100 - 0200 | 0 | 0 | 0 | 0 | |
| 0200 - 0300 | 0 | 0 | 0 | 0 | |
| 0300 - 0400 | 0 | 0 | 0 | 0 | |
| 0400 - 0500 | 0 | 0 | 0 | 0 | |
| 0500 - 0600 | 0 | 0 | 0 | 0 | |
| 0600 - 0700 | 0 | 0 | 0 | 0 | |
| 0700 - 0800 | 9 | 1 | 0 | 0 | |
| 0800 - 0900 | 4 | 0 | 0 | 0 | |
| 0900 - 1000 | 7 | 1 | 0 | 0 | |
| 1000 - 1100 | 2 | 0 | 0 | 0 | |
| 1100 - 1200 | 14 | 1 | 0 | 0 | |
| 1200 - 1300 | 0 | 0 | 0 | 0 | |
| 1300 - 1400 | 0 | 0 | 0 | 0 | |
| 1400 - 1500 | 11 | 1 | 0 | 0 | |
| 1500 - 1600 | 0 | 0 | 0 | 0 | |
| 1600 - 1700 | 0 | 0 | 0 | 0 | |
| 1700 - 1800 | 2 | 0 | 0 | 0 | |
| 1800 - 1900 | 2 | 0 | 0 | 0 | |
| 1900 - 2000 | 2 | 0 | 0 | 0 | |
| 2000 - 2100 | 0 | 0 | 0 | 0 | |
| 2100 - 2200 | 0 | 0 | 0 | 0 | |
| 2200 - 2300 | 0 | 0 | 0 | 0 | |
| 2300 - 2400 | 0 | 0 | 0 | 0 | |

Remark:
[1] Number of cold starts were derived based on on-site observations at the PTIs and operators' published schedules, while sitting time were obtained based on on-site observations at PTIs.

## Hung Fuk Estate Bus PTI (Roadside)

**Cold Idling Emission**

| | | |
|---|---|---|
| Idling Time for Terminating Buses = | 2 | min |
| Max. Idling Time for Adjusting Starting Emission = | 1 | min |

| Hour | Double-Deck Franchised Bus | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Frequency | Cold Idling Emission Factor (g/min) | | | | | Cold Idling Emission (g) | | | | | Frequency | Hot Idling Emission Factor (g/min) | | | | | Hot Idling Emission (g) | | | | |
| | | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP | | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP |
| 0000 - 0100 | 0 | 6.008E+00 | 4.039E-01 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0100 - 0200 | 0 | 6.008E+00 | 4.039E-01 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0200 - 0300 | 0 | 6.008E+00 | 4.039E-01 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0300 - 0400 | 0 | 6.008E+00 | 4.039E-01 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0400 - 0500 | 0 | 6.008E+00 | 4.039E-01 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0500 - 0600 | 0 | 6.008E+00 | 4.039E-01 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0600 - 0700 | 0 | 6.008E+00 | 4.039E-01 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0700 - 0800 | 0 | 6.008E+00 | 4.039E-01 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 9 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 3.580E+00 | 2.407E-01 | 3.181E-02 | 3.181E-02 | |
| 0800 - 0900 | 0 | 6.008E+00 | 4.039E-01 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 2 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 7.956E-01 | 5.348E-02 | 7.068E-03 | 7.068E-03 | |
| 0900 - 1000 | 0 | 6.008E+00 | 4.039E-01 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 4 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 1.591E+00 | 1.070E-01 | 1.414E-02 | 1.414E-02 | |
| 1000 - 1100 | 0 | 6.008E+00 | 4.039E-01 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 2 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 7.956E-01 | 5.348E-02 | 7.068E-03 | 7.068E-03 | |
| 1100 - 1200 | 2 | 6.008E+00 | 4.039E-01 | 1.767E-03 | 1.767E-03 | | 2.403E+01 | 1.616E+00 | 7.068E-03 | 7.068E-03 | | 1 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 3.978E-01 | 2.674E-02 | 3.534E-03 | 3.534E-03 | |
| 1200 - 1300 | 0 | 6.008E+00 | 4.039E-01 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1300 - 1400 | 0 | 6.008E+00 | 4.039E-01 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1400 - 1500 | 1 | 6.008E+00 | 4.039E-01 | 1.767E-03 | 1.767E-03 | | 1.202E+01 | 8.078E-01 | 3.534E-03 | 3.534E-03 | | 1 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 3.978E-01 | 2.674E-02 | 3.534E-03 | 3.534E-03 | |
| 1500 - 1600 | 0 | 6.008E+00 | 4.039E-01 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1600 - 1700 | 0 | 6.008E+00 | 4.039E-01 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1700 - 1800 | 0 | 6.008E+00 | 4.039E-01 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 1 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 3.978E-01 | 2.674E-02 | 3.534E-03 | 3.534E-03 | |
| 1800 - 1900 | 0 | 6.008E+00 | 4.039E-01 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 1 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 3.978E-01 | 2.674E-02 | 3.534E-03 | 3.534E-03 | |
| 1900 - 2000 | 0 | 6.008E+00 | 4.039E-01 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 1 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 3.978E-01 | 2.674E-02 | 3.534E-03 | 3.534E-03 | |
| 2000 - 2100 | 0 | 6.008E+00 | 4.039E-01 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2100 - 2200 | 0 | 6.008E+00 | 4.039E-01 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2200 - 2300 | 0 | 6.008E+00 | 4.039E-01 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2300 - 2400 | 0 | 6.008E+00 | 4.039E-01 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |

| | | |
|---|---|---|
| Average Distance from Starting Place to PTI Egress = | 17 | m |
| Average Spread Distance outside PTI = | 683 | m |

| Hour | Idling Emission (g) | | | | | Emission for Adjusting Starting Emission (g) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP |
| 0000 - 0100 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0100 - 0200 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0200 - 0300 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0300 - 0400 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0400 - 0500 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0500 - 0600 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0600 - 0700 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0700 - 0800 | 3.580E+00 | 2.407E-01 | 3.181E-02 | 3.181E-02 | | 1.790E+00 | 1.203E-01 | 1.590E-02 | 1.590E-02 | |
| 0800 - 0900 | 7.956E-01 | 5.348E-02 | 7.068E-03 | 7.068E-03 | | 3.978E-01 | 2.674E-02 | 3.534E-03 | 3.534E-03 | |
| 0900 - 1000 | 1.591E+00 | 1.070E-01 | 1.414E-02 | 1.414E-02 | | 7.956E-01 | 5.348E-02 | 7.068E-03 | 7.068E-03 | |
| 1000 - 1100 | 7.956E-01 | 5.348E-02 | 7.068E-03 | 7.068E-03 | | 3.978E-01 | 2.674E-02 | 3.534E-03 | 3.534E-03 | |
| 1100 - 1200 | 2.443E+01 | 1.642E+00 | 1.060E-02 | 1.060E-02 | | 1.222E+01 | 8.211E-01 | 5.301E-03 | 5.301E-03 | |
| 1200 - 1300 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1300 - 1400 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1400 - 1500 | 1.241E+01 | 8.345E-01 | 7.068E-03 | 7.068E-03 | | 6.207E+00 | 4.173E-01 | 3.534E-03 | 3.534E-03 | |
| 1500 - 1600 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1600 - 1700 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1700 - 1800 | 3.978E-01 | 2.674E-02 | 3.534E-03 | 3.534E-03 | | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | |
| 1800 - 1900 | 3.978E-01 | 2.674E-02 | 3.534E-03 | 3.534E-03 | | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | |
| 1900 - 2000 | 3.978E-01 | 2.674E-02 | 3.534E-03 | 3.534E-03 | | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | |
| 2000 - 2100 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2100 - 2200 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2200 - 2300 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2300 - 2400 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |

| Hour | Adjusted Starting Emission Within PTI (g) | | | | | Adjusted Starting Emission Outside PTI (g) | | | | | Starting Emission Rate Outside PTI (g/s) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP |
| 0000 - 0100 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0100 - 0200 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0200 - 0300 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0300 - 0400 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0400 - 0500 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0500 - 0600 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0600 - 0700 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0700 - 0800 | 1.644E-01 | 1.271E-02 | 0.000E+00 | 0.000E+00 | | 6.604E+00 | 5.106E-01 | 0.000E+00 | 0.000E+00 | | 1.834E-03 | 1.418E-04 | 0.000E+00 | 0.000E+00 | |
| 0800 - 0900 | 8.452E-02 | 6.430E-03 | 0.000E+00 | 0.000E+00 | | 3.396E+00 | 2.583E-01 | 0.000E+00 | 0.000E+00 | | 9.432E-04 | 7.176E-05 | 0.000E+00 | 0.000E+00 | |
| 0900 - 1000 | 1.496E-01 | 1.140E-02 | 0.000E+00 | 0.000E+00 | | 6.008E+00 | 4.579E-01 | 0.000E+00 | 0.000E+00 | | 1.669E-03 | 1.272E-04 | 0.000E+00 | 0.000E+00 | |
| 1000 - 1100 | 4.555E-02 | 3.501E-03 | 0.000E+00 | 0.000E+00 | | 1.830E+00 | 1.407E-01 | 0.000E+00 | 0.000E+00 | | 5.083E-04 | 3.907E-05 | 0.000E+00 | 0.000E+00 | |
| 1100 - 1200 | 5.084E-02 | 6.178E-03 | 0.000E+00 | 0.000E+00 | | 2.043E+00 | 2.482E-01 | 0.000E+00 | 0.000E+00 | | 5.674E-04 | 6.894E-05 | 0.000E+00 | 0.000E+00 | |
| 1200 - 1300 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1300 - 1400 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1400 - 1500 | 1.091E-01 | 9.395E-03 | 0.000E+00 | 0.000E+00 | | 4.382E+00 | 3.775E-01 | 0.000E+00 | 0.000E+00 | | 1.217E-03 | 1.048E-04 | 0.000E+00 | 0.000E+00 | |
| 1500 - 1600 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1600 - 1700 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1700 - 1800 | 3.414E-02 | 2.604E-03 | 0.000E+00 | 0.000E+00 | | 1.372E+00 | 1.046E-01 | 0.000E+00 | 0.000E+00 | | 3.810E-04 | 2.906E-05 | 0.000E+00 | 0.000E+00 | |
| 1800 - 1900 | 5.038E-02 | 3.826E-03 | 0.000E+00 | 0.000E+00 | | 2.024E+00 | 1.537E-01 | 0.000E+00 | 0.000E+00 | | 5.622E-04 | 4.270E-05 | 0.000E+00 | 0.000E+00 | |
| 1900 - 2000 | 3.414E-02 | 2.604E-03 | 0.000E+00 | 0.000E+00 | | 1.372E+00 | 1.046E-01 | 0.000E+00 | 0.000E+00 | | 3.810E-04 | 2.906E-05 | 0.000E+00 | 0.000E+00 | |
| 2000 - 2100 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2100 - 2200 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2200 - 2300 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2300 - 2400 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |

## Hung Fuk Estate Bus PTI (Roadside)

**Running Emission**

| | | |
|---|---|---|
| Average Travelling Distance within PTI = | 35 | m |
| Average Travelling Speed = | 10 | km/h |

| Hour | Double-Deck Franchised Bus | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Frequency | Running Emission Factor (g/km·vehicle) | | | | | Running Emission Within PTI (g) | | | | |
| | | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP |
| 0000 - 0100 | 0 | 1.059E+01 | 7.122E-01 | 3.809E-01 | 3.504E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0100 - 0200 | 0 | 1.059E+01 | 7.122E-01 | 3.809E-01 | 3.504E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0200 - 0300 | 0 | 1.059E+01 | 7.122E-01 | 3.809E-01 | 3.504E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0300 - 0400 | 0 | 1.059E+01 | 7.122E-01 | 3.809E-01 | 3.504E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0400 - 0500 | 0 | 1.059E+01 | 7.122E-01 | 3.809E-01 | 3.504E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0500 - 0600 | 0 | 1.059E+01 | 7.122E-01 | 3.809E-01 | 3.504E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0600 - 0700 | 2 | 1.059E+01 | 7.122E-01 | 3.809E-01 | 3.504E-01 | | 7.416E-01 | 4.985E-02 | 2.666E-02 | 2.453E-02 | |
| 0700 - 0800 | 19 | 1.059E+01 | 7.122E-01 | 3.809E-01 | 3.504E-01 | | 7.045E+00 | 4.736E-01 | 2.533E-01 | 2.330E-01 | |
| 0800 - 0900 | 5 | 1.059E+01 | 7.122E-01 | 3.809E-01 | 3.504E-01 | | 1.854E+00 | 1.246E-01 | 6.666E-02 | 6.132E-02 | |
| 0900 - 1000 | 5 | 1.059E+01 | 7.122E-01 | 3.809E-01 | 3.504E-01 | | 1.854E+00 | 1.246E-01 | 6.666E-02 | 6.132E-02 | |
| 1000 - 1100 | 3 | 1.059E+01 | 7.122E-01 | 3.809E-01 | 3.504E-01 | | 1.112E+00 | 7.478E-02 | 3.999E-02 | 3.679E-02 | |
| 1100 - 1200 | 3 | 1.059E+01 | 7.122E-01 | 3.809E-01 | 3.504E-01 | | 1.112E+00 | 7.478E-02 | 3.999E-02 | 3.679E-02 | |
| 1200 - 1300 | 1 | 1.059E+01 | 7.122E-01 | 3.809E-01 | 3.504E-01 | | 3.708E-01 | 2.493E-02 | 1.333E-02 | 1.226E-02 | |
| 1300 - 1400 | 0 | 1.059E+01 | 7.122E-01 | 3.809E-01 | 3.504E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1400 - 1500 | 4 | 1.059E+01 | 7.122E-01 | 3.809E-01 | 3.504E-01 | | 1.483E+00 | 9.971E-02 | 5.333E-02 | 4.906E-02 | |
| 1500 - 1600 | 3 | 1.059E+01 | 7.122E-01 | 3.809E-01 | 3.504E-01 | | 1.112E+00 | 7.478E-02 | 3.999E-02 | 3.679E-02 | |
| 1600 - 1700 | 0 | 1.059E+01 | 7.122E-01 | 3.809E-01 | 3.504E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1700 - 1800 | 1 | 1.059E+01 | 7.122E-01 | 3.809E-01 | 3.504E-01 | | 3.708E-01 | 2.493E-02 | 1.333E-02 | 1.226E-02 | |
| 1800 - 1900 | 1 | 1.059E+01 | 7.122E-01 | 3.809E-01 | 3.504E-01 | | 3.708E-01 | 2.493E-02 | 1.333E-02 | 1.226E-02 | |
| 1900 - 2000 | 5 | 1.059E+01 | 7.122E-01 | 3.809E-01 | 3.504E-01 | | 1.854E+00 | 1.246E-01 | 6.666E-02 | 6.132E-02 | |
| 2000 - 2100 | 7 | 1.059E+01 | 7.122E-01 | 3.809E-01 | 3.504E-01 | | 2.596E+00 | 1.745E-01 | 9.332E-02 | 8.585E-02 | |
| 2100 - 2200 | 3 | 1.059E+01 | 7.122E-01 | 3.809E-01 | 3.504E-01 | | 1.112E+00 | 7.478E-02 | 3.999E-02 | 3.679E-02 | |
| 2200 - 2300 | 3 | 1.059E+01 | 7.122E-01 | 3.809E-01 | 3.504E-01 | | 1.112E+00 | 7.478E-02 | 3.999E-02 | 3.679E-02 | |
| 2300 - 2400 | 8 | 1.059E+01 | 7.122E-01 | 3.809E-01 | 3.504E-01 | | 2.967E+00 | 1.994E-01 | 1.067E-01 | 9.811E-02 | |

**Idling Emission**

| | | |
|---|---|---|
| Idling Time for Non-terminating Buses = | 6 | min |

| Hour | Double-Deck Franchised Bus | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | Frequency | Hot Idling Emission Factor (g/min) | | | | | Hot Idling Emission (g) | | | | |
| | | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP |
| 0000 - 0100 | 0 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0100 - 0200 | 0 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0200 - 0300 | 0 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0300 - 0400 | 0 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0400 - 0500 | 0 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0500 - 0600 | 0 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0600 - 0700 | 2 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 2.387E+00 | 1.604E-01 | 2.120E-02 | 2.120E-02 | |
| 0700 - 0800 | 10 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 1.193E+01 | 8.022E-01 | 1.060E-01 | 1.060E-01 | |
| 0800 - 0900 | 3 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 3.580E+00 | 2.407E-01 | 3.181E-02 | 3.181E-02 | |
| 0900 - 1000 | 1 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 1.193E+00 | 8.022E-02 | 1.060E-02 | 1.060E-02 | |
| 1000 - 1100 | 1 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 1.193E+00 | 8.022E-02 | 1.060E-02 | 1.060E-02 | |
| 1100 - 1200 | 0 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1200 - 1300 | 1 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 1.193E+00 | 8.022E-02 | 1.060E-02 | 1.060E-02 | |
| 1300 - 1400 | 0 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1400 - 1500 | 2 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 2.387E+00 | 1.604E-01 | 2.120E-02 | 2.120E-02 | |
| 1500 - 1600 | 3 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 3.580E+00 | 2.407E-01 | 3.181E-02 | 3.181E-02 | |
| 1600 - 1700 | 0 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1700 - 1800 | 0 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1800 - 1900 | 0 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1900 - 2000 | 4 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 4.774E+00 | 3.209E-01 | 4.241E-02 | 4.241E-02 | |
| 2000 - 2100 | 7 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 8.354E+00 | 5.616E-01 | 7.421E-02 | 7.421E-02 | |
| 2100 - 2200 | 3 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 3.580E+00 | 2.407E-01 | 3.181E-02 | 3.181E-02 | |
| 2200 - 2300 | 3 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 3.580E+00 | 2.407E-01 | 3.181E-02 | 3.181E-02 | |
| 2300 - 2400 | 8 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 9.547E+00 | 6.418E-01 | 8.482E-02 | 8.482E-02 | |

## Hung Fuk Estate Bus PTI (Roadside)

**Total Hourly Emission**

| Hour | Emission Within PTI | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Total Emission (g) (Running + Idling + Starting) | | | | | Total Emission Rate (g/s) | | | | |
| | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP |
| 0000 - 0100 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0100 - 0200 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0200 - 0300 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0300 - 0400 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0400 - 0500 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0500 - 0600 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0600 - 0700 | 3.128E+00 | 2.103E-01 | 4.787E-02 | 4.573E-02 | | 8.690E-04 | 5.842E-05 | 1.330E-05 | 1.270E-05 | |
| 0700 - 0800 | 2.272E+01 | 1.529E+00 | 3.911E-01 | 3.708E-01 | | 6.312E-03 | 4.248E-04 | 1.086E-04 | 1.030E-04 | |
| 0800 - 0900 | 6.314E+00 | 4.252E-01 | 1.055E-01 | 1.002E-01 | | 1.754E-03 | 1.181E-04 | 2.931E-05 | 2.783E-05 | |
| 0900 - 1000 | 4.788E+00 | 3.232E-01 | 9.140E-02 | 8.606E-02 | | 1.330E-03 | 8.978E-05 | 2.539E-05 | 2.391E-05 | |
| 1000 - 1100 | 3.147E+00 | 2.120E-01 | 5.766E-02 | 5.446E-02 | | 8.742E-04 | 5.889E-05 | 1.602E-05 | 1.513E-05 | |
| 1100 - 1200 | 2.559E+01 | 1.723E+00 | 5.060E-02 | 4.739E-02 | | 7.109E-03 | 4.787E-04 | 1.405E-05 | 1.317E-05 | |
| 1200 - 1300 | 1.564E+00 | 1.052E-01 | 2.393E-02 | 2.287E-02 | | 4.345E-04 | 2.921E-05 | 6.648E-06 | 6.352E-06 | |
| 1300 - 1400 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1400 - 1500 | 1.639E+01 | 1.104E+00 | 8.160E-02 | 7.733E-02 | | 4.554E-03 | 3.067E-04 | 2.267E-05 | 2.148E-05 | |
| 1500 - 1600 | 4.693E+00 | 3.155E-01 | 7.180E-02 | 6.860E-02 | | 1.304E-03 | 8.763E-05 | 1.994E-05 | 1.906E-05 | |
| 1600 - 1700 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1700 - 1800 | 8.028E-01 | 5.427E-02 | 1.687E-02 | 1.580E-02 | | 2.230E-04 | 1.508E-05 | 4.685E-06 | 4.388E-06 | |
| 1800 - 1900 | 8.190E-01 | 5.549E-02 | 1.687E-02 | 1.580E-02 | | 2.275E-04 | 1.542E-05 | 4.685E-06 | 4.388E-06 | |
| 1900 - 2000 | 7.060E+00 | 4.749E-01 | 1.126E-01 | 1.073E-01 | | 1.961E-03 | 1.319E-04 | 3.128E-05 | 2.980E-05 | |
| 2000 - 2100 | 1.095E+01 | 7.361E-01 | 1.675E-01 | 1.601E-01 | | 3.042E-03 | 2.045E-04 | 4.654E-05 | 4.446E-05 | |
| 2100 - 2200 | 4.693E+00 | 3.155E-01 | 7.180E-02 | 6.860E-02 | | 1.304E-03 | 8.763E-05 | 1.994E-05 | 1.906E-05 | |
| 2200 - 2300 | 4.693E+00 | 3.155E-01 | 7.180E-02 | 6.860E-02 | | 1.304E-03 | 8.763E-05 | 1.994E-05 | 1.906E-05 | |
| 2300 - 2400 | 1.251E+01 | 8.412E-01 | 1.915E-01 | 1.829E-01 | | 3.476E-03 | 2.337E-04 | 5.319E-05 | 5.081E-05 | |

## Hung Fuk Estate Bus PTI

### Running Emission

| | | |
|---|---|---|
| Average Travelling Distance within PTI = | 93 | m |
| Average Travelling Speed = | 10 | km/h |

| Hour | Frequency | Double-Deck Franchised Bus | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Running Emission Factor (g/km·vehicle) | | | | | Running Emission Within PTI (g) | | | | |
| | | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP |
| 0000 - 0100 | 2 | 1.059E+01 | 7.122E-01 | 3.809E-01 | 3.504E-01 | | 1.971E+00 | 1.325E-01 | 7.085E-02 | 6.517E-02 | |
| 0100 - 0200 | 3 | 1.059E+01 | 7.122E-01 | 3.809E-01 | 3.504E-01 | | 2.956E+00 | 1.987E-01 | 1.063E-01 | 9.776E-02 | |
| 0200 - 0300 | 0 | 1.059E+01 | 7.122E-01 | 3.809E-01 | 3.504E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0300 - 0400 | 0 | 1.059E+01 | 7.122E-01 | 3.809E-01 | 3.504E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0400 - 0500 | 1 | 1.059E+01 | 7.122E-01 | 3.809E-01 | 3.504E-01 | | 9.853E-01 | 6.623E-02 | 3.542E-02 | 3.259E-02 | |
| 0500 - 0600 | 7 | 1.059E+01 | 7.122E-01 | 3.809E-01 | 3.504E-01 | | 6.897E+00 | 4.636E-01 | 2.480E-01 | 2.281E-01 | |
| 0600 - 0700 | 15 | 1.059E+01 | 7.122E-01 | 3.809E-01 | 3.504E-01 | | 1.478E+01 | 9.935E-01 | 5.314E-01 | 4.888E-01 | |
| 0700 - 0800 | 20 | 1.059E+01 | 7.122E-01 | 3.809E-01 | 3.504E-01 | | 1.971E+01 | 1.325E+00 | 7.085E-01 | 6.517E-01 | |
| 0800 - 0900 | 15 | 1.059E+01 | 7.122E-01 | 3.809E-01 | 3.504E-01 | | 1.478E+01 | 9.935E-01 | 5.314E-01 | 4.888E-01 | |
| 0900 - 1000 | 12 | 1.059E+01 | 7.122E-01 | 3.809E-01 | 3.504E-01 | | 1.182E+01 | 7.948E-01 | 4.251E-01 | 3.910E-01 | |
| 1000 - 1100 | 16 | 1.059E+01 | 7.122E-01 | 3.809E-01 | 3.504E-01 | | 1.576E+01 | 1.060E+00 | 5.668E-01 | 5.214E-01 | |
| 1100 - 1200 | 17 | 1.059E+01 | 7.122E-01 | 3.809E-01 | 3.504E-01 | | 1.675E+01 | 1.126E+00 | 6.022E-01 | 5.540E-01 | |
| 1200 - 1300 | 10 | 1.059E+01 | 7.122E-01 | 3.809E-01 | 3.504E-01 | | 9.853E+00 | 6.623E-01 | 3.542E-01 | 3.259E-01 | |
| 1300 - 1400 | 12 | 1.059E+01 | 7.122E-01 | 3.809E-01 | 3.504E-01 | | 1.182E+01 | 7.948E-01 | 4.251E-01 | 3.910E-01 | |
| 1400 - 1500 | 15 | 1.059E+01 | 7.122E-01 | 3.809E-01 | 3.504E-01 | | 1.478E+01 | 9.935E-01 | 5.314E-01 | 4.888E-01 | |
| 1500 - 1600 | 10 | 1.059E+01 | 7.122E-01 | 3.809E-01 | 3.504E-01 | | 9.853E+00 | 6.623E-01 | 3.542E-01 | 3.259E-01 | |
| 1600 - 1700 | 13 | 1.059E+01 | 7.122E-01 | 3.809E-01 | 3.504E-01 | | 1.281E+01 | 8.610E-01 | 4.605E-01 | 4.236E-01 | |
| 1700 - 1800 | 15 | 1.059E+01 | 7.122E-01 | 3.809E-01 | 3.504E-01 | | 1.478E+01 | 9.935E-01 | 5.314E-01 | 4.888E-01 | |
| 1800 - 1900 | 12 | 1.059E+01 | 7.122E-01 | 3.809E-01 | 3.504E-01 | | 1.182E+01 | 7.948E-01 | 4.251E-01 | 3.910E-01 | |
| 1900 - 2000 | 13 | 1.059E+01 | 7.122E-01 | 3.809E-01 | 3.504E-01 | | 1.281E+01 | 8.610E-01 | 4.605E-01 | 4.236E-01 | |
| 2000 - 2100 | 13 | 1.059E+01 | 7.122E-01 | 3.809E-01 | 3.504E-01 | | 1.281E+01 | 8.610E-01 | 4.605E-01 | 4.236E-01 | |
| 2100 - 2200 | 7 | 1.059E+01 | 7.122E-01 | 3.809E-01 | 3.504E-01 | | 6.897E+00 | 4.636E-01 | 2.480E-01 | 2.281E-01 | |
| 2200 - 2300 | 11 | 1.059E+01 | 7.122E-01 | 3.809E-01 | 3.504E-01 | | 1.084E+01 | 7.286E-01 | 3.897E-01 | 3.585E-01 | |
| 2300 - 2400 | 10 | 1.059E+01 | 7.122E-01 | 3.809E-01 | 3.504E-01 | | 9.853E+00 | 6.623E-01 | 3.542E-01 | 3.259E-01 | |

### Idling Emission

| | | |
|---|---|---|
| Idling Time for Non-terminating Buses = | 2 | min |

| Hour | Frequency | Double-Deck Franchised Bus | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Hot Idling Emission Factor (g/min) | | | | | Hot Idling Emission (g) | | | | |
| | | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP |
| 0000 - 0100 | 0 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0100 - 0200 | 0 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0200 - 0300 | 0 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0300 - 0400 | 0 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0400 - 0500 | 0 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0500 - 0600 | 0 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0600 - 0700 | 4 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 1.591E+00 | 1.070E-01 | 1.414E-02 | 1.414E-02 | |
| 0700 - 0800 | 1 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 3.978E-01 | 2.674E-02 | 3.534E-03 | 3.534E-03 | |
| 0800 - 0900 | 0 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0900 - 1000 | 0 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1000 - 1100 | 0 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1100 - 1200 | 0 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1200 - 1300 | 0 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1300 - 1400 | 0 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1400 - 1500 | 0 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1500 - 1600 | 0 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1600 - 1700 | 0 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1700 - 1800 | 0 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1800 - 1900 | 0 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1900 - 2000 | 1 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 3.978E-01 | 2.674E-02 | 3.534E-03 | 3.534E-03 | |
| 2000 - 2100 | 1 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 3.978E-01 | 2.674E-02 | 3.534E-03 | 3.534E-03 | |
| 2100 - 2200 | 0 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2200 - 2300 | 0 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2300 - 2400 | 1 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 3.978E-01 | 2.674E-02 | 3.534E-03 | 3.534E-03 | |

## Hung Fuk Estate Bus PTI

### Total Hourly Emission

| Hour | Emission Within PTI | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Total Emission (g) (Running + Idling + Starting) | | | | | Total Emission Rate (g/s) | | | | |
| | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP |
| 0000 - 0100 | 3.255E+00 | 2.197E-01 | 8.145E-02 | 7.578E-02 | | 9.041E-04 | 6.103E-05 | 2.262E-05 | 2.105E-05 | |
| 0100 - 0200 | 4.898E+00 | 3.308E-01 | 1.222E-01 | 1.137E-01 | | 1.361E-03 | 9.188E-05 | 3.394E-05 | 3.157E-05 | |
| 0200 - 0300 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0300 - 0400 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0400 - 0500 | 1.945E+01 | 1.314E+00 | 4.072E-02 | 3.789E-02 | | 5.402E-03 | 3.649E-04 | 1.131E-05 | 1.052E-05 | |
| 0500 - 0600 | 4.723E+01 | 3.192E+00 | 2.851E-01 | 2.652E-01 | | 1.312E-02 | 8.866E-04 | 7.919E-05 | 7.367E-05 | |
| 0600 - 0700 | 4.119E+01 | 2.779E+00 | 6.038E-01 | 5.613E-01 | | 1.144E-02 | 7.720E-04 | 1.677E-04 | 1.559E-04 | |
| 0700 - 0800 | 3.257E+01 | 2.200E+00 | 8.127E-01 | 7.560E-01 | | 9.048E-03 | 6.112E-04 | 2.258E-04 | 2.100E-04 | |
| 0800 - 0900 | 2.476E+01 | 1.674E+00 | 6.109E-01 | 5.683E-01 | | 6.879E-03 | 4.651E-04 | 1.697E-04 | 1.579E-04 | |
| 0900 - 1000 | 1.978E+01 | 1.337E+00 | 4.887E-01 | 4.547E-01 | | 5.495E-03 | 3.715E-04 | 1.357E-04 | 1.263E-04 | |
| 1000 - 1100 | 7.868E+01 | 5.308E+00 | 6.516E-01 | 6.062E-01 | | 2.186E-02 | 1.474E-03 | 1.810E-04 | 1.684E-04 | |
| 1100 - 1200 | 1.149E+02 | 7.750E+00 | 6.923E-01 | 6.441E-01 | | 3.193E-02 | 2.153E-03 | 1.923E-04 | 1.789E-04 | |
| 1200 - 1300 | 6.850E+01 | 4.617E+00 | 4.072E-01 | 3.789E-01 | | 1.903E-02 | 1.283E-03 | 1.131E-04 | 1.052E-04 | |
| 1300 - 1400 | 7.205E+01 | 4.860E+00 | 4.887E-01 | 4.547E-01 | | 2.002E-02 | 1.350E-03 | 1.357E-04 | 1.263E-04 | |
| 1400 - 1500 | 4.219E+01 | 2.848E+00 | 6.109E-01 | 5.683E-01 | | 1.172E-02 | 7.912E-04 | 1.697E-04 | 1.579E-04 | |
| 1500 - 1600 | 1.645E+01 | 1.112E+00 | 4.072E-01 | 3.789E-01 | | 4.570E-03 | 3.089E-04 | 1.131E-04 | 1.052E-04 | |
| 1600 - 1700 | 2.140E+01 | 1.447E+00 | 5.294E-01 | 4.925E-01 | | 5.945E-03 | 4.018E-04 | 1.471E-04 | 1.368E-04 | |
| 1700 - 1800 | 4.210E+01 | 2.842E+00 | 6.109E-01 | 5.683E-01 | | 1.169E-02 | 7.893E-04 | 1.697E-04 | 1.579E-04 | |
| 1800 - 1900 | 1.995E+01 | 1.350E+00 | 4.887E-01 | 4.547E-01 | | 5.543E-03 | 3.751E-04 | 1.357E-04 | 1.263E-04 | |
| 1900 - 2000 | 2.144E+01 | 1.451E+00 | 5.277E-01 | 4.908E-01 | | 5.955E-03 | 4.030E-04 | 1.466E-04 | 1.363E-04 | |
| 2000 - 2100 | 2.146E+01 | 1.453E+00 | 5.277E-01 | 4.908E-01 | | 5.961E-03 | 4.035E-04 | 1.466E-04 | 1.363E-04 | |
| 2100 - 2200 | 4.626E+01 | 3.118E+00 | 2.851E-01 | 2.652E-01 | | 1.285E-02 | 8.662E-04 | 7.919E-05 | 7.367E-05 | |
| 2200 - 2300 | 1.394E+02 | 9.388E+00 | 4.480E-01 | 4.168E-01 | | 3.872E-02 | 2.608E-03 | 1.244E-04 | 1.158E-04 | |
| 2300 - 2400 | 1.033E+02 | 6.961E+00 | 4.055E-01 | 3.771E-01 | | 2.868E-02 | 1.934E-03 | 1.126E-04 | 1.048E-04 | |



## Hung Fuk Estate Bus PTI

### Starting Emission

| | Starting Emission Factor (g/trip) | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | No. of Cold Starts of Double-Deck Franchised Bus | | | | | | | | | | | | | | | | | | | | | | | |
| Hour | 5 | 10 | 20 | 30 | 40 | 50 | 60 | 120 | 180 | 240 | 300 | 360 | 420 | 480 | 540 | 600 | 660 | 720 |
| Starting Time (min) | | | | | | | | | | | | | | | | | | |
| 0000 - 0100 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0100 - 0200 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0200 - 0300 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0300 - 0400 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0400 - 0500 | 1 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0500 - 0600 | 1 | 3 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0600 - 0700 | 2 | 9 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0700 - 0800 | 4 | 5 | 7 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0800 - 0900 | 2 | 5 | 5 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0900 - 1000 | 1 | 2 | 6 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1000 - 1100 | 2 | 2 | 4 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1100 - 1200 | 2 | 3 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1200 - 1300 | 3 | 2 | 2 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1300 - 1400 | 3 | 4 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1400 - 1500 | 2 | 7 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1500 - 1600 | 2 | 4 | 3 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1600 - 1700 | 2 | 5 | 8 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1700 - 1800 | 1 | 6 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1800 - 1900 | 0 | 4 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1900 - 2000 | 0 | 6 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2000 - 2100 | 0 | 6 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2100 - 2200 | 2 | 7 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2200 - 2300 | 2 | 6 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2300 - 2400 | 5 | 6 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Remark:
[1] Number of cold starts were derived based on on-site observations at the PTIs and operators' published schedules, while sitting time were obtained based on on-site observations at PTIs.

## Hung Fuk Estate Bus PTI

### Cold Idling Emission

| | | |
|---|---|---|
| Sitting Time for Terminating Buses = | 3 | min |
| Max. Idling Time for Adjusting Starting Emission = | 1 | min |

| Hour | Frequency | Double-Deck Franchised Bus | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Cold Idling Emission Factor (g/min) | | | | | | | | | | Cold Idling Emission (g) | | | | | | | | | | | | | |
| | | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP |
| 0000 - 0100 | 0 | 6.008E+00 | 4.039E-01 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 1.802E+01 | 1.212E+00 | 5.301E-03 | 5.301E-03 | | 2.402E+01 | 1.616E+00 | 7.068E-03 | 7.068E-03 | |
| 0100 - 0200 | 0 | 6.008E+00 | 4.039E-01 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 1.802E+01 | 1.212E+00 | 5.301E-03 | 5.301E-03 | | 2.402E+01 | 1.616E+00 | 7.068E-03 | 7.068E-03 | |
| 0200 - 0300 | 0 | 6.008E+00 | 4.039E-01 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 1.802E+01 | 1.212E+00 | 5.301E-03 | 5.301E-03 | | 2.402E+01 | 1.616E+00 | 7.068E-03 | 7.068E-03 | |
| 0300 - 0400 | 0 | 6.008E+00 | 4.039E-01 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 1.802E+01 | 1.212E+00 | 5.301E-03 | 5.301E-03 | | 2.402E+01 | 1.616E+00 | 7.068E-03 | 7.068E-03 | |
| 0400 - 0500 | 1 | 6.008E+00 | 4.039E-01 | 1.767E-03 | 1.767E-03 | | 6.008E+00 | 4.039E-01 | 1.767E-03 | 1.767E-03 | | 1.802E+01 | 1.212E+00 | 5.301E-03 | 5.301E-03 | | 2.402E+01 | 1.616E+00 | 7.068E-03 | 7.068E-03 | | 3.003E+01 | 2.020E+00 | 8.835E-03 | 8.835E-03 | |
| 0500 - 0600 | 3 | 6.008E+00 | 4.039E-01 | 1.767E-03 | 1.767E-03 | | 1.803E+01 | 1.212E+00 | 5.301E-03 | 5.301E-03 | | 3.605E+01 | 2.424E+00 | 1.060E-02 | 1.060E-02 | | 3.605E+01 | 2.424E+00 | 1.060E-02 | 1.060E-02 | | 4.206E+01 | 2.828E+00 | 1.237E-02 | 1.237E-02 | |
| 0600 - 0700 | 9 | 6.008E+00 | 4.039E-01 | 1.767E-03 | 1.767E-03 | | 5.407E+01 | 3.636E+00 | 1.590E-02 | 1.590E-02 | | 5.407E+01 | 3.636E+00 | 1.590E-02 | 1.590E-02 | | 5.407E+01 | 3.636E+00 | 1.590E-02 | 1.590E-02 | | 5.407E+01 | 3.636E+00 | 1.590E-02 | 1.590E-02 | |
| 0700 - 0800 | 7 | 6.008E+00 | 4.039E-01 | 1.767E-03 | 1.767E-03 | | 4.206E+01 | 2.828E+00 | 1.237E-02 | 1.237E-02 | | 4.206E+01 | 2.828E+00 | 1.237E-02 | 1.237E-02 | | 4.206E+01 | 2.828E+00 | 1.237E-02 | 1.237E-02 | | 4.206E+01 | 2.828E+00 | 1.237E-02 | 1.237E-02 | |
| 0800 - 0900 | 5 | 6.008E+00 | 4.039E-01 | 1.767E-03 | 1.767E-03 | | 3.004E+01 | 2.020E+00 | 8.835E-03 | 8.835E-03 | | 3.004E+01 | 2.020E+00 | 8.835E-03 | 8.835E-03 | | 3.004E+01 | 2.020E+00 | 8.835E-03 | 8.835E-03 | | 3.004E+01 | 2.020E+00 | 8.835E-03 | 8.835E-03 | |
| 0900 - 1000 | 6 | 6.008E+00 | 4.039E-01 | 1.767E-03 | 1.767E-03 | | 3.605E+01 | 2.424E+00 | 1.060E-02 | 1.060E-02 | | 3.605E+01 | 2.424E+00 | 1.060E-02 | 1.060E-02 | | 3.605E+01 | 2.424E+00 | 1.060E-02 | 1.060E-02 | | 3.605E+01 | 2.424E+00 | 1.060E-02 | 1.060E-02 | |
| 1000 - 1100 | 4 | 6.008E+00 | 4.039E-01 | 1.767E-03 | 1.767E-03 | | 2.402E+01 | 1.616E+00 | 7.068E-03 | 7.068E-03 | | 2.402E+01 | 1.616E+00 | 7.068E-03 | 7.068E-03 | | 2.402E+01 | 1.616E+00 | 7.068E-03 | 7.068E-03 | | 2.402E+01 | 1.616E+00 | 7.068E-03 | 7.068E-03 | |
| 1100 - 1200 | 3 | 6.008E+00 | 4.039E-01 | 1.767E-03 | 1.767E-03 | | 1.802E+01 | 1.212E+00 | 5.301E-03 | 5.301E-03 | | 1.802E+01 | 1.212E+00 | 5.301E-03 | 5.301E-03 | | 1.802E+01 | 1.212E+00 | 5.301E-03 | 5.301E-03 | | 1.802E+01 | 1.212E+00 | 5.301E-03 | 5.301E-03 | |
| 1200 - 1300 | 1 | 6.008E+00 | 4.039E-01 | 1.767E-03 | 1.767E-03 | | 6.008E+00 | 4.039E-01 | 1.767E-03 | 1.767E-03 | | 6.008E+00 | 4.039E-01 | 1.767E-03 | 1.767E-03 | | 6.008E+00 | 4.039E-01 | 1.767E-03 | 1.767E-03 | | 6.008E+00 | 4.039E-01 | 1.767E-03 | 1.767E-03 | |
| 1300 - 1400 | 1 | 6.008E+00 | 4.039E-01 | 1.767E-03 | 1.767E-03 | | 6.008E+00 | 4.039E-01 | 1.767E-03 | 1.767E-03 | | 6.008E+00 | 4.039E-01 | 1.767E-03 | 1.767E-03 | | 6.008E+00 | 4.039E-01 | 1.767E-03 | 1.767E-03 | | 6.008E+00 | 4.039E-01 | 1.767E-03 | 1.767E-03 | |
| 1400 - 1500 | 0 | 6.008E+00 | 4.039E-01 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1500 - 1600 | 1 | 6.008E+00 | 4.039E-01 | 1.767E-03 | 1.767E-03 | | 6.008E+00 | 4.039E-01 | 1.767E-03 | 1.767E-03 | | 6.008E+00 | 4.039E-01 | 1.767E-03 | 1.767E-03 | | 6.008E+00 | 4.039E-01 | 1.767E-03 | 1.767E-03 | | 6.008E+00 | 4.039E-01 | 1.767E-03 | 1.767E-03 | |
| 1600 - 1700 | 0 | 6.008E+00 | 4.039E-01 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1700 - 1800 | 0 | 6.008E+00 | 4.039E-01 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1800 - 1900 | 0 | 6.008E+00 | 4.039E-01 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1900 - 2000 | 0 | 6.008E+00 | 4.039E-01 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2000 - 2100 | 0 | 6.008E+00 | 4.039E-01 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2100 - 2200 | 2 | 6.008E+00 | 4.039E-01 | 1.767E-03 | 1.767E-03 | | 1.202E+01 | 8.078E-01 | 3.534E-03 | 3.534E-03 | | 2.404E+01 | 1.616E+00 | 7.068E-03 | 7.068E-03 | | 2.404E+01 | 1.616E+00 | 7.068E-03 | 7.068E-03 | | 2.404E+01 | 1.616E+00 | 7.068E-03 | 7.068E-03 | |
| 2200 - 2300 | 2 | 6.008E+00 | 4.039E-01 | 1.767E-03 | 1.767E-03 | | 1.202E+01 | 8.078E-01 | 3.534E-03 | 3.534E-03 | | 2.404E+01 | 1.616E+00 | 7.068E-03 | 7.068E-03 | | 2.404E+01 | 1.616E+00 | 7.068E-03 | 7.068E-03 | | 2.404E+01 | 1.616E+00 | 7.068E-03 | 7.068E-03 | |
| 2300 - 2400 | 5 | 6.008E+00 | 4.039E-01 | 1.767E-03 | 1.767E-03 | | 3.002E+01 | 2.020E+00 | 8.835E-03 | 8.835E-03 | | 3.002E+01 | 2.020E+00 | 8.835E-03 | 8.835E-03 | | 3.002E+01 | 2.020E+00 | 8.835E-03 | 8.835E-03 | | 3.002E+01 | 2.020E+00 | 8.835E-03 | 8.835E-03 | |

| | | |
|---|---|---|
| Average Distance from Starting Place to PTI Egress = | 43 | m |
| Average Speed Distance outside PTI = | 667 | m |

| Hour | Frequency | Double-Deck Franchised Bus | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Idling Emission (g) | | | | | Emission for Adjusting Starting Emission (g) | | | | | Adjusted Starting Emission Within PTI (g) | | | | | Adjusted Starting Emission Outside PTI (g) | | | | |
| | | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP |
| 0000 - 0100 | 1 | 1.989E-01 | 8.782E-02 | 1.767E-02 | 1.767E-02 | | 3.978E-01 | 2.674E-02 | 3.534E-03 | 3.534E-03 | | 9.976E-02 | 7.167E-03 | 0.000E+00 | 0.000E+00 | | 1.497E+00 | 1.075E-01 | 0.000E+00 | 0.000E+00 | |
| 0100 - 0200 | 1 | 1.989E-01 | 1.596E-02 | 1.590E-02 | 1.590E-02 | | 3.978E-01 | 5.301E-03 | 5.301E-03 | 5.301E-03 | | 1.502E-01 | 1.117E-02 | 0.000E+00 | 0.000E+00 | | 2.337E+00 | 1.794E-01 | 0.000E+00 | 0.000E+00 | |
| 0200 - 0300 | 0 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0300 - 0400 | 0 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0400 - 0500 | 0 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 6.008E+00 | 4.039E-01 | 1.767E-03 | 1.767E-03 | | 4.906E-01 | 3.568E-02 | 0.000E+00 | 0.000E+00 | | 6.861E+00 | 5.453E-01 | 0.000E+00 | 0.000E+00 | |
| 0500 - 0600 | 0 | 1.989E-01 | 1.337E-02 | 1.767E-03 | 1.767E-03 | | 1.803E+01 | 1.212E+00 | 5.301E-03 | 5.301E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00

**Emission Inventory for Start Emissions (Operation Phase – Year 2033)**

| Bus Terminus | Source ID | Type | X (m) | Y (m) | Release Height (mAG) | Exit Temperature (K) | Exit Velocity (m/s) | Stack Diameter (m) | Length of X Side (m) | Length of Y Side (m) | Angle (degree) | Szinit (m) | Max. Hourly Emission Rate NO (g/s) | $NO_2$ (g/s) | RSP (g/m³/s) | FSP (g/m³/s) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Emission inside Terminus** | | | | | | | | | | | | | | | | |
| HGV Carpark at Ping Kwai Road | PKR101 | AREAPOLY | 818769.6 | 833514.8 | 0.0 | - | - | - | - | - | - | - | 3.757E-07 | 1.741E-07 | 5.542E-09 | 5.094E-09 |
| | | | 818774.2 | 833517.8 | | | | | | | | | | | | |
| | | | 818778.5 | 833511.9 | | | | | | | | | | | | |
| | | | 818773.7 | 833508.7 | | | | | | | | | | | | |
| | | | 818778.7 | 833501.8 | | | | | | | | | | | | |
| | | | 818740.7 | 833476.9 | | | | | | | | | | | | |
| | | | 818736.5 | 833483.4 | | | | | | | | | | | | |
| | | | 818728.2 | 833477.6 | | | | | | | | | | | | |
| | | | 818710.8 | 833504.2 | | | | | | | | | | | | |
| | | | 818719.0 | 833510.0 | | | | | | | | | | | | |
| | | | 818714.6 | 833516.5 | | | | | | | | | | | | |
| | | | 818759.9 | 833529.7 | | | | | | | | | | | | |
| HGV Carpark at Energy Industrial Centre | EIC101 | AREA | 818963.2 | 833365.8 | 0.0 | - | - | - | 3.97 | 54.19 | 31.88 | - | 8.761E-07 | 4.103E-07 | 2.431E-08 | 2.234E-08 |
| | EIC102 | AREA | 818963.2 | 833365.8 | 2.0 | | | | 3.97 | 54.19 | 31.88 | | 8.761E-07 | 4.103E-07 | 2.431E-08 | 2.234E-08 |
| | EIC103 | AREA | 818963.2 | 833365.8 | 4.0 | | | | 3.97 | 54.19 | 31.88 | | 8.761E-07 | 4.103E-07 | 2.431E-08 | 2.234E-08 |
| | EIC104 | AREA | 819001.3 | 833350.8 | 0.0 | | | | 1.01 | 11.76 | 31.38 | | 8.761E-07 | 4.103E-07 | 2.431E-08 | 2.234E-08 |
| | EIC105 | AREA | 819001.3 | 833350.8 | 2.0 | | | | 1.01 | 11.76 | 31.38 | | 8.761E-07 | 4.103E-07 | 2.431E-08 | 2.234E-08 |
| | EIC106 | AREA | 819001.3 | 833350.8 | 4.0 | | | | 1.01 | 11.76 | 31.38 | | 8.761E-07 | 4.103E-07 | 2.431E-08 | 2.234E-08 |
| HGV Carpark at Forefront Cyber Centre | FCC101 | AREA | 818814.6 | 833149.3 | 0.0 | - | - | - | 7.27 | 1.01 | 30.61 | - | 1.739E-05 | 8.132E-06 | 4.642E-07 | 4.268E-07 |
| | FCC102 | AREA | 818814.6 | 833149.3 | 3.0 | | | | 7.27 | 1.01 | 30.61 | | 1.739E-05 | 8.132E-06 | 4.642E-07 | 4.268E-07 |
| | FCC103 | AREA | 818814.6 | 833149.3 | 6.0 | | | | 7.27 | 1.01 | 30.61 | | 1.739E-05 | 8.132E-06 | 4.642E-07 | 4.268E-07 |
| Tan Kwai Tsuen Minibus PTI | TKT101 | AREA | 817798.3 | 831973.9 | 0.0 | - | - | - | 11.38 | 5.34 | 23.34 | - | 3.537E-06 | 4.770E-07 | 4.183E-08 | 4.039E-08 |
| Hung Fuk Estate Minibus PTI | HFE101 | AREAPOLY | 817718.9 | 833098.1 | 0.0 | - | - | - | - | - | - | - | 1.268E-05 | 2.491E-06 | 9.454E-08 | 9.234E-08 |
| | | | 817732.7 | 833066.5 | | | | | | | | | | | | |
| | | | 817733.4 | 833059.3 | | | | | | | | | | | | |
| | | | 817716.2 | 833097.1 | | | | | | | | | | | | |
| Hung Fuk Estate Bus PTI | HFE201 | AREA | 817896.3 | 833018.7 | 0.0 | - | - | - | 1.05 | 44.41 | 55.06 | - | 3.809E-05 | 4.965E-06 | 2.214E-07 | 2.059E-07 |
| | HFE202 | AREA | 817896.3 | 833018.7 | 1.5 | | | | 1.05 | 44.41 | 55.06 | | 3.809E-05 | 4.965E-06 | 2.214E-07 | 2.059E-07 |
| | HFE203 | AREA | 817896.3 | 833018.7 | 3.0 | | | | 1.05 | 44.41 | 55.06 | | 3.809E-05 | 4.965E-06 | 2.214E-07 | 2.059E-07 |
| | HFE204 | AREA | 817883.3 | 833037.3 | 0.0 | | | | 2.64 | 44.41 | 55.06 | | 3.809E-05 | 4.965E-06 | 2.214E-07 | 2.059E-07 |
| | HFE205 | AREA | 817883.3 | 833037.3 | 1.5 | | | | 2.64 | 44.41 | 55.06 | | 3.809E-05 | 4.965E-06 | 2.214E-07 | 2.059E-07 |
| | HFE206 | AREA | 817883.3 | 833037.3 | 3.0 | | | | 2.64 | 44.41 | 55.06 | | 3.809E-05 | 4.965E-06 | 2.214E-07 | 2.059E-07 |
| | HFE207 | AREA | 817884.8 | 833035.2 | 0.0 | | | | 20.06 | 1.06 | 55.04 | | 3.809E-05 | 4.965E-06 | 2.214E-07 | 2.059E-07 |
| | HFE208 | AREA | 817884.8 | 833035.2 | 3.0 | | | | 20.06 | 1.06 | 55.04 | | 3.809E-05 | 4.965E-06 | 2.214E-07 | 2.059E-07 |
| | HFE209 | AREA | 817884.8 | 833035.2 | 6.0 | | | | 20.06 | 1.06 | 55.04 | | 3.809E-05 | 4.965E-06 | 2.214E-07 | 2.059E-07 |
| | HFE210 | AREA | 817920.3 | 833060.0 | 0.0 | | | | 20.07 | 1.08 | 55.06 | | 3.809E-05 | 4.965E-06 | 2.214E-07 | 2.059E-07 |
| | HFE211 | AREA | 817920.3 | 833060.0 | 3.0 | | | | 20.07 | 1.08 | 55.06 | | 3.809E-05 | 4.965E-06 | 2.214E-07 | 2.059E-07 |
| | HFE212 | AREA | 817920.3 | 833060.0 | 6.0 | | | | 20.07 | 1.08 | 55.06 | | 3.809E-05 | 4.965E-06 | 2.214E-07 | 2.059E-07 |
| Hung Fuk Estate Bus PTI (Roadside) | HFE301 | AREAPOLY | 817897.9 | 833010.9 | 0.0 | - | - | - | - | - | - | - | 4.793E-05 | 6.241E-06 | 7.333E-07 | 6.954E-07 |
| | | | 817900.4 | 833013.8 | | | | | | | | | | | | |
| | | | 817901.2 | 833014.7 | | | | | | | | | | | | |
| | | | 817901.7 | 833015.3 | | | | | | | | | | | | |
| | | | 817903.3 | 833017.2 | | | | | | | | | | | | |
| | | | 817904.3 | 833018.3 | | | | | | | | | | | | |
| | | | 817905.5 | 833019.3 | | | | | | | | | | | | |
| | | | 817910.1 | 833022.5 | | | | | | | | | | | | |
| | | | 817912.5 | 833024.2 | | | | | | | | | | | | |
| | | | 817924.7 | 833032.7 | | | | | | | | | | | | |
| | | | 817925.4 | 833033.1 | | | | | | | | | | | | |
| | | | 817926.1 | 833033.4 | | | | | | | | | | | | |
| | | | 817932.1 | 833035.7 | | | | | | | | | | | | |
| | | | 817935.4 | 833037.0 | | | | | | | | | | | | |

Appendix 3.9 Emission Inventory for Emissions Associated with Bus and Minibus Termini, and Heavy Goods Vehicles and Coach Parking Sites

**Emission Inventory for Start Emissions (Operation Phase – Year 2033)**

| Bus Terminus | Source ID | Type | X (m) | Y (m) | Release Height (mAG) | Exit Temperature (K) | Exit Velocity (m/s) | Stack Diameter (m) | Length of X Side (m) | Length of Y Side (m) | Angle (degree) | Szinit (m) | Max. Hourly Emission Rate NO (g/s) | $NO_2$ (g/s) | RSP (g/m³/s) | FSP (g/m³/s) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MTR Bus Depot | HSK101 | AREAPOLY | 818027.8 | 832983.1 | 0.0 | - | - | - | - | - | - | - | 2.823E-06 | 3.921E-07 | 2.132E-08 | 1.972E-08 |
| | | | 818028.3 | 832981.6 | | | | | | | | | | | | |
| | | | 818028.4 | 832980.1 | | | | | | | | | | | | |
| | | | 818028.2 | 832978.5 | | | | | | | | | | | | |
| | | | 818027.7 | 832977.1 | | | | | | | | | | | | |
| | | | 818018.2 | 832969.7 | | | | | | | | | | | | |
| | | | 818024.7 | 832961.4 | | | | | | | | | | | | |
| | | | 817926.4 | 832881.3 | | | | | | | | | | | | |
| | | | 817922.2 | 832886.6 | | | | | | | | | | | | |
| | | | 817918.5 | 832883.9 | | | | | | | | | | | | |
| | | | 817901.0 | 832908.9 | | | | | | | | | | | | |
| | | | 817932.5 | 832933.7 | | | | | | | | | | | | |
| | | | 817939.9 | 832941.8 | | | | | | | | | | | | |
| | | | 817954.8 | 832950.6 | | | | | | | | | | | | |
| | | | 817964.5 | 832953.3 | | | | | | | | | | | | |
| | | | 817964.3 | 832963.5 | | | | | | | | | | | | |
| | | | 818014.9 | 832998.7 | | | | | | | | | | | | |
| Hung Shui Kiu (Hung Yuen Road) Bus PTI | HYR101 | AREAPOLY | 817870.3 | 832837.9 | 0.0 | - | - | - | - | - | - | - | 1.795E-05 | 2.345E-06 | 3.293E-07 | 3.052E-07 |
| | | | 817815.7 | 832912.3 | | | | | | | | | | | | |
| | | | 817821.4 | 832909.7 | | | | | | | | | | | | |
| | | | 817868.1 | 832845.4 | | | | | | | | | | | | |
| **Start Emission outside Terminus** | | | | | | | | | | | | | | | | |
| HGV Carpark at Ping Kwai Road | SE101 | AREAPOLY | 818772.8 | 833520.7 | 3.91 | - | - | - | - | - | - | 3.64 | 3.392E-07 | 1.562E-07 | 0.000E+00 | 0.000E+00 |
| | | | 818778.9 | 833524.4 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818785.8 | 833513.1 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818779.7 | 833509.3 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE102 | AREAPOLY | 818762.1 | 833541.6 | 3.91 | - | - | - | - | - | - | 3.64 | 3.444E-07 | 1.586E-07 | 0.000E+00 | 0.000E+00 |
| | | | 818773.5 | 833548.0 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818788.1 | 833521.9 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818776.6 | 833515.5 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE103 | AREAPOLY | 818881.6 | 833544.3 | 3.91 | - | - | - | - | - | - | 3.64 | 2.930E-07 | 1.349E-07 | 0.000E+00 | 0.000E+00 |
| | | | 818876.1 | 833529.9 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818849.6 | 833539.9 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818812.4 | 833540.4 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818768.4 | 833537.1 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818767.2 | 833552.4 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818811.6 | 833555.8 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818812.2 | 833555.8 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818851.2 | 833555.2 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818852.4 | 833555.1 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818853.7 | 833554.8 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE104 | AREAPOLY | 818925.3 | 833493.8 | 3.91 | - | - | - | - | - | - | 3.64 | 2.564E-07 | 1.181E-07 | 0.000E+00 | 0.000E+00 |
| | | | 818910.6 | 833484.1 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818892.0 | 833512.3 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818872.8 | 833530.8 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818885.0 | 833543.4 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818904.9 | 833524.3 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818905.6 | 833523.6 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818906.2 | 833522.8 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE105 | AREAPOLY | 819143.7 | 833623.2 | 3.91 | - | - | - | - | - | - | 3.64 | 1.477E-07 | 6.802E-08 | 0.000E+00 | 0.000E+00 |
| | | | 818922.4 | 833481.9 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818913.4 | 833496.0 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 819134.8 | 833637.4 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 819135.0 | 833637.5 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 819209.6 | 833682.0 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 819218.2 | 833667.6 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |

**Emission Inventory for Start Emissions (Operation Phase – Year 2033)**

| Bus Terminus | Source ID | Type | X (m) | Y (m) | Release Height (mAG) | Exit Temperature (K) | Exit Velocity (m/s) | Stack Diameter (m) | Length of X Side (m) | Length of Y Side (m) | Angle (degree) | Szinit (m) | Max. Hourly Emission Rate NO (g/s) | $NO_2$ (g/s) | RSP (g/m$^2$/s) | FSP (g/m$^2$/s) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HGV Carpark at Ping Kwai Road | SE106 | AREAPOLY | 819270.5 | 833691.5 | 3.91 | - | - | - | - | - | - | 3.64 | 1.571E-07 | 7.233E-08 | 0.000E+00 | 0.000E+00 |
| | | | 819217.2 | 833667.6 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 819210.7 | 833682.0 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 819264.0 | 833705.9 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE107 | AREAPOLY | 818936.1 | 833479.2 | 3.91 | - | - | - | - | - | - | 3.64 | 1.154E-07 | 5.312E-08 | 0.000E+00 | 0.000E+00 |
| | | | 818921.9 | 833468.7 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818910.8 | 833483.7 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818925.0 | 833494.2 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE108 | AREAPOLY | 818933.2 | 833467.2 | 3.91 | - | - | - | - | - | - | 3.64 | 1.135E-07 | 5.227E-08 | 0.000E+00 | 0.000E+00 |
| | | | 818829.5 | 833403.0 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818821.1 | 833416.5 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818924.8 | 833480.7 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE109 | AREAPOLY | 818829.0 | 833404.2 | 3.91 | - | - | - | - | - | - | 3.64 | 1.357E-07 | 6.249E-08 | 0.000E+00 | 0.000E+00 |
| | | | 818606.8 | 833256.1 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818599.4 | 833267.2 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818821.6 | 833415.3 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE110 | AREAPOLY | 818922.6 | 833469.0 | 3.91 | - | - | - | - | - | - | 3.64 | 1.393E-08 | 6.414E-09 | 0.000E+00 | 0.000E+00 |
| | | | 818935.4 | 833478.9 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818955.3 | 833452.9 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 819117.3 | 833351.3 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 819147.0 | 833334.1 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 819166.2 | 833329.4 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 819197.1 | 833331.0 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 819197.9 | 833314.8 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 819165.8 | 833313.2 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 819163.5 | 833313.4 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 819142.0 | 833318.7 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 819141.1 | 833318.9 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 819139.9 | 833319.5 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 819109.1 | 833337.4 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 819108.8 | 833337.5 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818945.5 | 833440.0 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818943.4 | 833441.9 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE111 | AREAPOLY | 819220.7 | 833254.6 | 3.91 | - | - | - | - | - | - | 3.64 | 1.376E-08 | 6.335E-09 | 0.000E+00 | 0.000E+00 |
| | | | 819204.7 | 833251.1 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 819189.5 | 833321.2 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 819205.5 | 833324.6 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| HGV Carpark at Energy Industrial Centre | SE201 | AREAPOLY | 819012.3 | 833358.5 | 3.91 | - | - | - | - | - | - | 3.64 | 9.564E-08 | 4.673E-08 | 0.000E+00 | 0.000E+00 |
| | | | 819005.6 | 833347.5 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 819001.0 | 833350.3 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 819007.7 | 833361.3 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE202 | AREAPOLY | 819040.4 | 833389.9 | 3.91 | - | - | - | - | - | - | 3.64 | 9.564E-08 | 4.673E-08 | 0.000E+00 | 0.000E+00 |
| | | | 819014.4 | 833349.5 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 819003.5 | 833356.5 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 819029.5 | 833396.9 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE203 | AREAPOLY | 818922.5 | 833469.0 | 3.91 | - | - | - | - | - | - | 3.64 | 7.571E-08 | 3.699E-08 | 0.000E+00 | 0.000E+00 |
| | | | 818935.5 | 833478.9 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818955.4 | 833452.9 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 819039.3 | 833400.3 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 819030.6 | 833386.5 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818945.5 | 833439.9 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818943.3 | 833441.9 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |

Appendix 3.9 Emission Inventory for Emissions Associated with Bus and Minibus Termini, and Heavy Goods Vehicles and Coach Parking Sites

**Emission Inventory for Start Emissions (Operation Phase – Year 2033)**

| Bus Terminus | Source ID | Type | X (m) | Y (m) | Release Height (mAG) | Exit Temperature (K) | Exit Velocity (m/s) | Stack Diameter (m) | Length of X Side (m) | Length of Y Side (m) | Angle (degree) | Szinit (m) | Max. Hourly Emission Rate NO (g/s) | $NO_2$ (g/s) | RSP (g/m$^2$/s) | FSP (g/m$^2$/s) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HGV Carpark at Energy Industrial Centre | SE204 | AREAPOLY | 818828.9 | 833404.2 | 3.91 | - | - | - | - | - | - | 3.64 | 3.764E-08 | 1.839E-08 | 0.000E+00 | 0.000E+00 |
| | | | 818555.9 | 833222.4 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818548.7 | 833233.3 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818821.7 | 833415.2 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818821.9 | 833415.3 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818925.6 | 833479.5 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818932.5 | 833468.4 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE205 | AREAPOLY | 818935.6 | 833478.8 | 3.91 | - | - | - | - | - | - | 3.64 | 4.541E-08 | 2.219E-08 | 0.000E+00 | 0.000E+00 |
| | | | 818922.5 | 833469.1 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818911.4 | 833484.1 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818924.5 | 833493.8 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE206 | AREAPOLY | 819143.8 | 833623.1 | 3.91 | - | - | - | - | - | - | 3.64 | 4.354E-08 | 2.128E-08 | 0.000E+00 | 0.000E+00 |
| | | | 818922.5 | 833481.8 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818913.3 | 833496.1 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 819134.8 | 833637.5 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 819135.0 | 833637.6 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 819209.6 | 833682.1 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 819210.5 | 833682.5 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 819284.9 | 833715.7 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 819291.8 | 833700.2 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 819217.9 | 833667.2 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| HGV Carpark at Forefront Cyber Centre | SE301 | AREAPOLY | 818858.6 | 833249.8 | 3.91 | - | - | - | - | - | - | 3.64 | 7.623E-08 | 3.564E-08 | 0.000E+00 | 0.000E+00 |
| | | | 818824.0 | 833145.4 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818811.4 | 833149.5 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818845.9 | 833254.0 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE302 | AREAPOLY | 818949.2 | 833227.6 | 3.91 | - | - | - | - | - | - | 3.64 | 7.623E-08 | 3.564E-08 | 0.000E+00 | 0.000E+00 |
| | | | 818943.4 | 833215.6 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818908.0 | 833232.7 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818850.8 | 833245.4 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818853.7 | 833258.4 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818911.6 | 833245.6 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818912.5 | 833245.3 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818913.1 | 833245.1 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE303 | AREAPOLY | 819008.4 | 833338.6 | 3.91 | - | - | - | - | - | - | 3.64 | 7.681E-08 | 3.591E-08 | 0.000E+00 | 0.000E+00 |
| | | | 818952.3 | 833218.8 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818940.3 | 833224.4 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818996.6 | 833344.5 | 3.91 | | | | | | | 3.64 | | | | |
| | | | 818996.9 | 833345.0 | 3.91 | | | | | | | 3.64 | | | | |
| | | | 818997.0 | 833345.1 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 819028.7 | 833397.4 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 819040.0 | 833390.5 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE304 | AREAPOLY | 819038.7 | 833400.9 | 3.91 | - | - | - | - | - | - | 3.64 | 6.221E-08 | 2.908E-08 | 0.000E+00 | 0.000E+00 |
| | | | 819030.0 | 833387.1 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818941.9 | 833442.5 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818941.0 | 833443.2 | 3.91 | | | | | | | 3.64 | | | | |
| | | | 818940.2 | 833443.9 | 3.91 | | | | | | | 3.64 | | | | |
| | | | 818939.5 | 833444.8 | 3.91 | | | | | | | 3.64 | | | | |
| | | | 818922.2 | 833470.3 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818935.6 | 833479.4 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818952.0 | 833455.4 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE305 | AREAPOLY | 818933.3 | 833468.2 | 3.91 | - | - | - | - | - | - | 3.64 | 2.551E-08 | 1.192E-08 | 0.000E+00 | 0.000E+00 |
| | | | 818839.5 | 833406.7 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818830.7 | 833420.0 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818924.6 | 833481.5 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |

**Emission Inventory for Start Emissions (Operation Phase – Year 2033)**

| Bus Terminus | Source ID | Type | X (m) | Y (m) | Release Height (mAG) | Exit Temperature (K) | Exit Velocity (m/s) | Stack Diameter (m) | Length of X Side (m) | Length of Y Side (m) | Angle (degree) | Szinit (m) | Max. Hourly Emission Rate NO (g/s) | $NO_2$ (g/s) | RSP (g/m³/s) | FSP (g/m³/s) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HGV Carpark at Forefront Cyber Centre | SE306 | AREAPOLY | 818935.7 | 833479.4 | 3.91 | - | - | - | - | - | - | 3.64 | 3.732E-08 | 1.745E-08 | 0.000E+00 | 0.000E+00 |
| | | | 818922.1 | 833470.3 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818912.6 | 833484.6 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818926.1 | 833493.7 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE307 | AREAPOLY | 819003.9 | 833533.1 | 3.91 | - | - | - | - | - | - | 3.64 | 3.578E-08 | 1.673E-08 | 0.000E+00 | 0.000E+00 |
| | | | 818923.9 | 833482.0 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818914.8 | 833496.3 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818994.7 | 833547.4 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| Hung Fuk Estate Minibus PTI (LPG) | SE401 | AREAPOLY | 817723.2 | 833054.4 | 2.55 | - | - | - | - | - | - | 2.37 | 7.018E-07 | 3.525E-09 | 0.000E+00 | 0.000E+00 |
| | | | 817723.4 | 833063.4 | 2.55 | - | - | - | - | - | - | 2.37 | | | | |
| | | | 817739.7 | 833063.0 | 2.55 | - | - | - | - | - | - | 2.37 | | | | |
| | | | 817739.6 | 833056.1 | 2.55 | - | - | - | - | - | - | 2.37 | | | | |
| | | | 817763.4 | 833009.7 | 2.55 | - | - | - | - | - | - | 2.37 | | | | |
| | | | 817805.2 | 832949.0 | 2.55 | - | - | - | - | - | - | 2.37 | | | | |
| | | | 817791.9 | 832939.8 | 2.55 | - | - | - | - | - | - | 2.37 | | | | |
| | | | 817749.3 | 833001.5 | 2.55 | - | - | - | - | - | - | 2.37 | | | | |
| | | | 817724.1 | 833050.5 | 2.55 | - | - | - | - | - | - | 2.37 | | | | |
| Hung Fuk Estate Minibus PTI (Diesel) | SE402 | AREAPOLY | 817723.2 | 833054.4 | 2.55 | - | - | - | - | - | - | 2.37 | 1.654E-07 | 6.433E-08 | 0.000E+00 | 0.000E+00 |
| | | | 817723.4 | 833063.4 | 2.55 | - | - | - | - | - | - | 2.37 | | | | |
| | | | 817739.7 | 833063.0 | 2.55 | - | - | - | - | - | - | 2.37 | | | | |
| | | | 817739.6 | 833056.1 | 2.55 | - | - | - | - | - | - | 2.37 | | | | |
| | | | 817763.4 | 833009.7 | 2.55 | - | - | - | - | - | - | 2.37 | | | | |
| | | | 817810.2 | 832941.8 | 2.55 | - | - | - | - | - | - | 2.37 | | | | |
| | | | 817796.8 | 832932.6 | 2.55 | - | - | - | - | - | - | 2.37 | | | | |
| | | | 817749.3 | 833001.5 | 2.55 | - | - | - | - | - | - | 2.37 | | | | |
| | | | 817724.1 | 833050.5 | 2.55 | - | - | - | - | - | - | 2.37 | | | | |
| | SE403 | AREA | 817807.8 | 832929.3 | 2.55 | - | - | - | - | - | - | 2.37 | 1.496E-07 | 5.819E-08 | 0.000E+00 | 0.000E+00 |
| | | | 817759.6 | 832903.0 | 2.55 | - | - | - | - | - | - | 2.37 | | | | |
| | | | 817751.0 | 832918.8 | 2.55 | - | - | - | - | - | - | 2.37 | | | | |
| | | | 817799.2 | 832945.1 | 2.55 | - | - | - | - | - | - | 2.37 | | | | |
| | SE404 | AREAPOLY | 817686.9 | 832870.8 | 5.55 | - | - | - | - | - | - | 2.37 | 2.021E-07 | 7.859E-08 | 0.000E+00 | 0.000E+00 |
| | | | 817643.1 | 832856.4 | 5.55 | - | - | - | - | - | - | 2.37 | | | | |
| | | | 817638.9 | 832869.0 | 5.55 | - | - | - | - | - | - | 2.37 | | | | |
| | | | 817682.5 | 832883.4 | 5.55 | - | - | - | - | - | - | 2.37 | | | | |
| | | | 817729.3 | 832902.7 | 5.55 | - | - | - | - | - | - | 2.37 | | | | |
| | | | 817752.8 | 832915.5 | 5.55 | - | - | - | - | - | - | 2.37 | | | | |
| | | | 817759.2 | 832903.8 | 5.55 | - | - | - | - | - | - | 2.37 | | | | |
| | | | 817735.4 | 832890.9 | 5.55 | - | - | - | - | - | - | 2.37 | | | | |
| | | | 817734.6 | 832890.5 | 5.55 | - | - | - | - | - | - | 2.37 | | | | |
| | | | 817687.4 | 832871.0 | 5.55 | - | - | - | - | - | - | 2.37 | | | | |
| | | | 817687.1 | 832870.9 | 5.55 | - | - | - | - | - | - | 2.37 | | | | |
| | SE405 | AREA | 817643.1 | 832856.4 | 2.55 | - | - | - | - | - | - | 2.37 | 1.652E-07 | 6.426E-08 | 0.000E+00 | 0.000E+00 |
| | | | 817617.8 | 832848.1 | 2.55 | - | - | - | - | - | - | 2.37 | | | | |
| | | | 817612.7 | 832863.5 | 2.55 | - | - | - | - | - | - | 2.37 | | | | |
| | | | 817638.0 | 832871.9 | 2.55 | - | - | - | - | - | - | 2.37 | | | | |
| | SE406 | AREA | 817617.8 | 832848.1 | 5.55 | - | - | - | - | - | - | 2.37 | 2.025E-07 | 7.876E-08 | 0.000E+00 | 0.000E+00 |
| | | | 817589.2 | 832838.6 | 5.55 | - | - | - | - | - | - | 2.37 | | | | |
| | | | 817585.1 | 832851.3 | 5.55 | - | - | - | - | - | - | 2.37 | | | | |
| | | | 817613.6 | 832860.7 | 5.55 | - | - | - | - | - | - | 2.37 | | | | |
| | SE407 | AREA | 817589.2 | 832838.6 | 2.55 | - | - | - | - | - | - | 2.37 | 1.652E-07 | 6.426E-08 | 0.000E+00 | 0.000E+00 |
| | | | 817570.6 | 832832.5 | 2.55 | - | - | - | - | - | - | 2.37 | | | | |
| | | | 817565.5 | 832848.0 | 2.55 | - | - | - | - | - | - | 2.37 | | | | |
| | | | 817584.1 | 832854.1 | 2.55 | - | - | - | - | - | - | 2.37 | | | | |
| | SE408 | AREA | 817599.6 | 832798.4 | 2.55 | - | - | - | - | - | - | 2.37 | 2.104E-07 | 8.183E-08 | 0.000E+00 | 0.000E+00 |
| | | | 817588.5 | 832792.0 | 2.55 | - | - | - | - | - | - | 2.37 | | | | |
| | | | 817562.5 | 832837.0 | 2.55 | - | - | - | - | - | - | 2.37 | | | | |
| | | | 817573.6 | 832843.4 | 2.55 | - | - | - | - | - | - | 2.37 | | | | |

Appendix 3.9 Emission Inventory for Emissions Associated with Bus and Minibus Termini, and Heavy Goods Vehicles and Coach Parking Sites

**Emission Inventory for Start Emissions (Operation Phase – Year 2033)**

| Bus Terminus | Source ID | Type | X (m) | Y (m) | Release Height (mAG) | Exit Temperature (K) | Exit Velocity (m/s) | Stack Diameter (m) | Length of X Side (m) | Length of Y Side (m) | Angle (degree) | Szinit (m) | Max. Hourly Emission Rate NO (g/s) | $NO_2$ (g/s) | RSP (g/m³/s) | FSP (g/m³/s) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hung Fuk Estate Minibus PTI (Diesel) | SE409 | AREAPOLY | 817600.0 | 832797.4 | 2.55 | - | - | - | - | - | - | 2.37 | 2.142E-07 | 8.331E-08 | 0.000E+00 | 0.000E+00 |
| | | | 817610.5 | 832769.2 | 2.55 | - | - | - | - | - | - | 2.37 | | | | |
| | | | 817639.2 | 832678.1 | 2.55 | - | - | - | - | - | - | 2.37 | | | | |
| | | | 817641.2 | 832662.8 | 2.55 | - | - | - | - | - | - | 2.37 | | | | |
| | | | 817676.9 | 832608.4 | 2.55 | - | - | - | - | - | - | 2.37 | | | | |
| | | | 817666.4 | 832601.5 | 2.55 | - | - | - | - | - | - | 2.37 | | | | |
| | | | 817629.8 | 832657.1 | 2.55 | - | - | - | - | - | - | 2.37 | | | | |
| | | | 817628.9 | 832659.7 | 2.55 | - | - | - | - | - | - | 2.37 | | | | |
| | | | 817626.8 | 832675.9 | 2.55 | - | - | - | - | - | - | 2.37 | | | | |
| | | | 817598.6 | 832764.9 | 2.55 | - | - | - | - | - | - | 2.37 | | | | |
| | | | 817588.2 | 832792.9 | 2.55 | - | - | - | - | - | - | 2.37 | | | | |
| | SE410 | AREA | 817684.2 | 832610.8 | 2.55 | - | - | - | - | - | - | 2.37 | 1.938E-07 | 7.536E-08 | 0.000E+00 | 0.000E+00 |
| | | | 817682.9 | 832596.9 | 2.55 | - | - | - | - | - | - | 2.37 | | | | |
| | | | 817671.0 | 832598.0 | 2.55 | - | - | - | - | - | - | 2.37 | | | | |
| | | | 817672.3 | 832611.9 | 2.55 | - | - | - | - | - | - | 2.37 | | | | |
| | SE411 | AREA | 817699.9 | 832605.0 | 2.55 | - | - | - | - | - | - | 2.37 | 1.652E-07 | 6.426E-08 | 0.000E+00 | 0.000E+00 |
| | | | 817688.1 | 832597.1 | 2.55 | - | - | - | - | - | - | 2.37 | | | | |
| | | | 817679.0 | 832610.6 | 2.55 | - | - | - | - | - | - | 2.37 | | | | |
| | | | 817690.9 | 832618.6 | 2.55 | - | - | - | - | - | - | 2.37 | | | | |
| Hung Fuk Estate Bus PTI | SE501 | AREA | 817957.2 | 833046.1 | 3.91 | - | - | - | - | - | - | 3.64 | 4.168E-07 | 6.611E-08 | 0.000E+00 | 0.000E+00 |
| | | | 817944.7 | 833036.8 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817941.6 | 833040.9 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817954.1 | 833050.3 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE502 | AREAPOLY | 817860.5 | 832967.3 | 3.91 | - | - | - | - | - | - | 3.64 | 1.541E-07 | 2.445E-08 | 0.000E+00 | 0.000E+00 |
| | | | 817853.0 | 832962.8 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817844.5 | 832976.7 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817851.8 | 832981.1 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817946.3 | 833048.1 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817955.7 | 833034.8 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817861.0 | 832967.6 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE503 | AREAPOLY | 817841.8 | 832953.6 | 3.91 | - | - | - | - | - | - | 3.64 | 1.237E-07 | 1.963E-08 | 0.000E+00 | 0.000E+00 |
| | | | 817809.9 | 832931.7 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817798.4 | 832948.4 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817830.5 | 832970.5 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817831.0 | 832970.8 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817843.5 | 832978.4 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817854.0 | 832961.0 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE504 | AREAPOLY | 817783.2 | 832916.5 | 3.91 | - | - | - | - | - | - | 3.64 | 1.541E-07 | 2.445E-08 | 0.000E+00 | 0.000E+00 |
| | | | 817755.4 | 832900.7 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817747.4 | 832914.9 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817774.9 | 832930.5 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817799.7 | 832946.9 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817808.7 | 832933.3 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817783.6 | 832916.8 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE505 | AREAPOLY | 817671.8 | 832866.6 | 6.91 | - | - | - | - | - | - | 3.64 | 1.889E-07 | 2.996E-08 | 0.000E+00 | 0.000E+00 |
| | | | 817647.2 | 832858.0 | 6.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817642.8 | 832870.6 | 6.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817667.3 | 832879.1 | 6.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817707.4 | 832894.8 | 6.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817748.6 | 832913.9 | 6.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817754.2 | 832901.8 | 6.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817712.8 | 832882.6 | 6.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817712.4 | 832882.4 | 6.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817672.0 | 832866.7 | 6.91 | - | - | - | - | - | - | 3.64 | | | | |

**Emission Inventory for Start Emissions (Operation Phase – Year 2033)**

| Bus Terminus | Source ID | Type | X (m) | Y (m) | Release Height (mAG) | Exit Temperature (K) | Exit Velocity (m/s) | Stack Diameter (m) | Length of X Side (m) | Length of Y Side (m) | Angle (degree) | Szinit (m) | Max. Hourly Emission Rate NO (g/s) | $NO_2$ (g/s) | RSP (g/m$^2$/s) | FSP (g/m$^2$/s) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hung Fuk Estate Bus PTI | SE506 | AREA | 817647.4 | 832856.5 | 3.91 | - | - | - | - | - | - | 3.64 | 1.565E-07 | 2.483E-08 | 0.000E+00 | 0.000E+00 |
| | | | 817618.2 | 832847.5 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817613.4 | 832863.1 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817642.6 | 832872.1 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE507 | AREA | 817617.8 | 832848.9 | 6.91 | - | - | - | - | - | - | 3.64 | 1.889E-07 | 2.996E-08 | 0.000E+00 | 0.000E+00 |
| | | | 817589.1 | 832839.9 | 6.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817585.1 | 832852.6 | 6.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817613.8 | 832861.6 | 6.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE508 | AREA | 817589.4 | 832838.5 | 3.91 | - | - | - | - | - | - | 3.64 | 1.541E-07 | 2.445E-08 | 0.000E+00 | 0.000E+00 |
| | | | 817574.3 | 832834.0 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817569.6 | 832849.6 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817584.8 | 832854.1 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE509 | AREAPOLY | 817588.2 | 832824.8 | 3.91 | - | - | - | - | - | - | 3.64 | 1.444E-07 | 2.290E-08 | 0.000E+00 | 0.000E+00 |
| | | | 817572.7 | 832816.8 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817567.5 | 832826.8 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817567.1 | 832827.9 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817566.9 | 832828.3 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817563.6 | 832839.2 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817580.3 | 832844.3 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817583.4 | 832834.1 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE510 | AREAPOLY | 817640.2 | 832669.4 | 3.91 | - | - | - | - | - | - | 3.64 | 1.994E-07 | 3.163E-08 | 0.000E+00 | 0.000E+00 |
| | | | 817627.8 | 832667.1 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817624.5 | 832684.6 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817596.3 | 832771.9 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817589.3 | 832791.2 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817581.3 | 832807.0 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817575.0 | 832817.6 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817585.9 | 832824.0 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817592.3 | 832813.2 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817592.4 | 832812.9 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817600.7 | 832796.6 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817601.0 | 832795.9 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817608.1 | 832776.1 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817608.2 | 832775.9 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817636.6 | 832688.1 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817636.8 | 832687.4 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE511 | AREAPOLY | 817655.9 | 832641.9 | 3.91 | - | - | - | - | - | - | 3.64 | 1.807E-07 | 2.867E-08 | 0.000E+00 | 0.000E+00 |
| | | | 817644.2 | 832634.3 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817633.7 | 832650.4 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817633.5 | 832650.8 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817633.0 | 832651.7 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817627.5 | 832665.7 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817640.5 | 832670.8 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817645.7 | 832657.4 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE512 | AREA | 817994.7 | 833062.3 | 3.91 | - | - | - | - | - | - | 3.64 | 2.448E-07 | 3.882E-08 | 0.000E+00 | 0.000E+00 |
| | | | 817955.7 | 833034.8 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817946.3 | 833048.1 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817985.2 | 833075.7 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE513 | AREAPOLY | 817994.5 | 833071.4 | 3.91 | - | - | - | - | - | - | 3.64 | 3.873E-07 | 6.144E-08 | 0.000E+00 | 0.000E+00 |
| | | | 817985.4 | 833066.6 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817961.9 | 833111.5 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817961.8 | 833111.8 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817948.8 | 833140.7 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817937.5 | 833165.3 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817946.8 | 833169.6 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817958.2 | 833144.9 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817971.1 | 833116.2 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |

Appendix 3.9 Emission Inventory for Emissions Associated with Bus and Minibus Termini, and Heavy Goods Vehicles and Coach Parking Sites

**Emission Inventory for Start Emissions (Operation Phase – Year 2033)**

| Bus Terminus | Source ID | Type | X (m) | Y (m) | Release Height (mAG) | Exit Temperature (K) | Exit Velocity (m/s) | Stack Diameter (m) | Length of X Side (m) | Length of Y Side (m) | Angle (degree) | Szinit (m) | Max. Hourly Emission Rate NO (g/s) | $NO_2$ (g/s) | RSP (g/m$^2$/s) | FSP (g/m$^2$/s) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hung Fuk Estate Bus PTI | SE514 | AREAPOLY | 817948.2 | 833170.3 | 3.91 | - | - | - | - | - | - | 3.64 | 2.977E-07 | 4.723E-08 | 0.000E+00 | 0.000E+00 |
| | | | 817936.1 | 833164.7 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817927.5 | 833183.2 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817927.4 | 833183.5 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817905.3 | 833238.3 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817905.2 | 833238.6 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817905.1 | 833239.1 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817898.8 | 833263.1 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817898.7 | 833263.2 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817881.9 | 833333.7 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817895.0 | 833336.8 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817911.7 | 833266.4 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817917.9 | 833243.0 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817939.8 | 833188.7 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE515 | AREA | 817889.9 | 833327.2 | 3.91 | - | - | - | - | - | - | 3.64 | 2.448E-07 | 3.883E-08 | 0.000E+00 | 0.000E+00 |
| | | | 817863.5 | 833322.6 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817860.7 | 833338.6 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817887.0 | 833343.3 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE516 | AREA | 817863.1 | 833325.6 | 6.91 | - | - | - | - | - | - | 3.64 | 3.873E-07 | 6.144E-08 | 0.000E+00 | 0.000E+00 |
| | | | 817693.6 | 833293.8 | 6.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817691.7 | 833303.9 | 6.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817861.2 | 833335.7 | 6.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE517 | AREA | 817694.2 | 833290.8 | 3.91 | - | - | - | - | - | - | 3.64 | 2.448E-07 | 3.883E-08 | 0.000E+00 | 0.000E+00 |
| | | | 817680.0 | 833288.2 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817676.9 | 833304.2 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817691.2 | 833306.9 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE518 | AREAPOLY | 817692.7 | 833193.0 | 3.91 | - | - | - | - | - | - | 3.64 | 2.448E-07 | 3.883E-08 | 0.000E+00 | 0.000E+00 |
| | | | 817676.5 | 833191.3 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817670.8 | 833244.6 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817670.8 | 833245.3 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817670.3 | 833296.1 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817686.6 | 833296.3 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817687.1 | 833245.9 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| Hung Fuk Estate Bus PTI (Roadside) | SE601 | AREA | 817953.8 | 833034.2 | 3.91 | - | - | - | - | - | - | 3.64 | 1.267E-07 | 1.946E-08 | 0.000E+00 | 0.000E+00 |
| | | | 817932.8 | 833026.0 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817927.1 | 833040.5 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817948.1 | 833048.8 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE602 | AREA | 817994.7 | 833062.3 | 3.91 | - | - | - | - | - | - | 3.64 | 1.213E-07 | 1.862E-08 | 0.000E+00 | 0.000E+00 |
| | | | 817955.7 | 833034.8 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817946.3 | 833048.1 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817985.2 | 833075.7 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE603 | AREAPOLY | 817994.5 | 833071.4 | 3.91 | - | - | - | - | - | - | 3.64 | 1.919E-07 | 2.947E-08 | 0.000E+00 | 0.000E+00 |
| | | | 817985.4 | 833066.6 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817961.9 | 833111.5 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817961.8 | 833111.8 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817948.8 | 833140.7 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817937.5 | 833165.3 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817946.8 | 833169.6 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817958.2 | 833144.9 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817971.1 | 833116.2 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |

**Emission Inventory for Start Emissions (Operation Phase – Year 2033)**

| Bus Terminus | Source ID | Type | X (m) | Y (m) | Release Height (mAG) | Exit Temperature (K) | Exit Velocity (m/s) | Stack Diameter (m) | Length of X Side (m) | Length of Y Side (m) | Angle (degree) | Szinit (m) | Max. Hourly Emission Rate NO (g/s) | $NO_2$ (g/s) | RSP (g/m$^2$/s) | FSP (g/m$^2$/s) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hung Fuk Estate Bus PTI (Roadside) | SE604 | AREAPOLY | 817948.2 | 833170.3 | 3.91 | - | - | - | - | - | - | 3.64 | 1.475E-07 | 2.265E-08 | 0.000E+00 | 0.000E+00 |
| | | | 817936.1 | 833164.7 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817927.5 | 833183.2 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817927.4 | 833183.5 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817905.3 | 833238.3 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817905.2 | 833238.6 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817905.1 | 833239.1 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817898.8 | 833263.1 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817898.7 | 833263.2 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817881.9 | 833333.7 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817895.0 | 833336.8 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817911.7 | 833266.4 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817917.9 | 833243.0 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817939.8 | 833188.7 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE605 | AREA | 817889.9 | 833327.2 | 3.91 | - | - | - | - | - | - | 3.64 | 2.183E-08 | 3.352E-09 | 0.000E+00 | 0.000E+00 |
| | | | 817863.5 | 833322.6 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817860.7 | 833338.6 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817887.0 | 833343.3 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE606 | AREA | 817863.1 | 833325.6 | 3.91 | - | - | - | - | - | - | 3.64 | 3.455E-08 | 5.304E-09 | 0.000E+00 | 0.000E+00 |
| | | | 817693.6 | 833293.8 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817691.7 | 833303.9 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817861.2 | 833335.7 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE607 | AREA | 817694.2 | 833290.8 | 3.91 | - | - | - | - | - | - | 3.64 | 2.183E-08 | 3.352E-09 | 0.000E+00 | 0.000E+00 |
| | | | 817680.0 | 833288.2 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817677.0 | 833304.2 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817691.2 | 833306.9 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE608 | AREAPOLY | 817694.2 | 833185.0 | 3.91 | - | - | - | - | - | - | 3.64 | 2.183E-08 | 3.352E-09 | 0.000E+00 | 0.000E+00 |
| | | | 817678.2 | 833181.9 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817676.5 | 833190.6 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817676.5 | 833191.3 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817670.8 | 833244.6 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817670.8 | 833245.3 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817670.3 | 833296.1 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817686.6 | 833296.3 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817687.1 | 833245.9 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817692.6 | 833193.3 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE609 | AREA | 817964.6 | 833332.6 | 3.91 | - | - | - | - | - | - | 3.64 | 6.484E-08 | 9.955E-09 | 0.000E+00 | 0.000E+00 |
| | | | 817890.7 | 833322.9 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817887.4 | 833347.7 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817961.4 | 833357.4 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE610 | AREAPOLY | 818024.1 | 833102.5 | 3.91 | - | - | - | - | - | - | 3.64 | 1.129E-07 | 1.733E-08 | 0.000E+00 | 0.000E+00 |
| | | | 818011.8 | 833097.5 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818008.6 | 833105.3 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818000.8 | 833122.3 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818000.6 | 833122.8 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817992.4 | 833145.7 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817992.3 | 833146.1 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817986.6 | 833165.9 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817982.2 | 833182.3 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817995.1 | 833185.7 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817999.4 | 833169.4 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818005.0 | 833150.0 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818013.1 | 833127.6 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818020.7 | 833110.7 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818020.9 | 833110.4 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |

Appendix 3.9 Emission Inventory for Emissions Associated with Bus and Minibus Termini, and Heavy Goods Vehicles and Coach Parking Sites

**Emission Inventory for Start Emissions (Operation Phase – Year 2033)**

| Bus Terminus | Source ID | Type | X (m) | Y (m) | Release Height (mAG) | Exit Temperature (K) | Exit Velocity (m/s) | Stack Diameter (m) | Length of X Side (m) | Length of Y Side (m) | Angle (degree) | Szinit (m) | Max. Hourly Emission Rate NO (g/s) | $NO_2$ (g/s) | RSP (g/m$^2$/s) | FSP (g/m$^2$/s) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hung Fuk Estate Bus PTI (Roadside) | SE611 | AREAPOLY | 817995.1 | 833185.7 | 3.91 | - | - | - | - | - | - | 3.64 | 1.219E-07 | 1.871E-08 | 0.000E+00 | 0.000E+00 |
| | | | 817982.2 | 833182.3 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817981.2 | 833186.4 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817981.1 | 833186.7 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817975.6 | 833211.2 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817975.6 | 833211.5 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817971.2 | 833235.6 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817966.9 | 833262.0 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817980.0 | 833264.1 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817984.3 | 833237.9 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817988.6 | 833214.0 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817994.0 | 833189.7 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE612 | AREAPOLY | 817980.0 | 833264.0 | 3.91 | - | - | - | - | - | - | 3.64 | 1.316E-07 | 2.020E-08 | 0.000E+00 | 0.000E+00 |
| | | | 817966.9 | 833262.1 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817960.5 | 833305.6 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817960.4 | 833305.8 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817955.8 | 833344.1 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817969.0 | 833345.7 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817973.6 | 833307.4 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| MTR Bus Depot | SE701 | AREA | 818051.9 | 832977.9 | 3.91 | - | - | - | - | - | - | 3.64 | 1.290E-04 | 5.704E-08 | 0.000E+00 | 0.000E+00 |
| | | | 818026.6 | 832958.8 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818018.3 | 832969.8 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818043.6 | 832988.9 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE702 | AREA | 818053.2 | 832987.3 | 3.91 | - | - | - | - | - | - | 3.64 | 3.739E-07 | 5.923E-08 | 0.000E+00 | 0.000E+00 |
| | | | 818042.3 | 832979.6 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817999.2 | 833040.1 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818010.1 | 833047.8 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE703 | AREAPOLY | 818009.1 | 833046.6 | 3.91 | - | - | - | - | - | - | 3.64 | 4.828E-07 | 7.649E-08 | 0.000E+00 | 0.000E+00 |
| | | | 818000.2 | 833041.4 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817985.7 | 833066.4 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817985.5 | 833066.6 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817961.9 | 833111.5 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817961.8 | 833111.8 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817928.9 | 833183.9 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817938.3 | 833188.1 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817971.1 | 833116.2 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817994.6 | 833071.5 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE704 | AREA | 817939.8 | 833188.5 | 3.91 | - | - | - | - | - | - | 3.64 | 3.711E-07 | 5.880E-08 | 0.000E+00 | 0.000E+00 |
| | | | 817927.4 | 833183.5 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817905.3 | 833238.3 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817917.8 | 833243.3 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE705 | AREAPOLY | 817918.0 | 833242.6 | 3.91 | - | - | - | - | - | - | 3.64 | 3.711E-07 | 5.880E-08 | 0.000E+00 | 0.000E+00 |
| | | | 817905.1 | 833239.1 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817898.8 | 833263.1 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817898.7 | 833263.2 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817881.9 | 833333.7 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817895.0 | 833336.8 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817911.7 | 833266.4 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE706 | AREA | 817895.2 | 833335.5 | 3.91 | - | - | - | - | - | - | 3.64 | 3.711E-07 | 5.879E-08 | 0.000E+00 | 0.000E+00 |
| | | | 817881.8 | 833334.9 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817880.9 | 833353.4 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817894.3 | 833354.0 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE707 | AREA | 817896.9 | 833374.7 | 3.91 | - | - | - | - | - | - | 3.64 | 3.767E-07 | 5.969E-08 | 0.000E+00 | 0.000E+00 |
| | | | 817894.2 | 833352.9 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817881.1 | 833354.6 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817883.8 | 833376.4 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |

**Emission Inventory for Start Emissions (Operation Phase – Year 2033)**

| Bus Terminus | Source ID | Type | X (m) | Y (m) | Release Height (mAG) | Exit Temperature (K) | Exit Velocity (m/s) | Stack Diameter (m) | Length of X Side (m) | Length of Y Side (m) | Angle (degree) | Szinit (m) | Max. Hourly Emission Rate NO (g/s) | $NO_2$ (g/s) | RSP (g/m³/s) | FSP (g/m³/s) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MTR Bus Depot | SE708 | AREA | 817910.7 | 833497.3 | 8.41 | - | - | - | - | - | - | 3.64 | 4.876E-07 | 7.724E-08 | 0.000E+00 | 0.000E+00 |
| | | | 817895.4 | 833374.9 | 8.41 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817885.3 | 833376.2 | 8.41 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817900.6 | 833498.6 | 8.41 | - | - | - | - | - | - | 3.64 | | | | |
| | SE709 | AREA | 817914.2 | 833512.3 | 10.61 | - | - | - | - | - | - | 3.64 | 3.766E-07 | 5.967E-08 | 0.000E+00 | 0.000E+00 |
| | | | 817912.3 | 833497.1 | 10.61 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817899.2 | 833498.8 | 10.61 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817901.1 | 833514.0 | 10.61 | - | - | - | - | - | - | 3.64 | | | | |
| | SE710 | AREA | 818057.1 | 832979.3 | 3.91 | - | - | - | - | - | - | 3.64 | 8.453E-08 | 1.339E-08 | 0.000E+00 | 0.000E+00 |
| | | | 818026.3 | 832958.6 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818018.6 | 832970.0 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818049.4 | 832990.7 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE711 | AREA | 818080.8 | 832995.4 | 3.91 | - | - | - | - | - | - | 3.64 | 8.771E-08 | 1.390E-08 | 0.000E+00 | 0.000E+00 |
| | | | 818057.0 | 832979.5 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818049.6 | 832990.5 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818073.4 | 833006.4 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE712 | AREAPOLY | 818100.6 | 832979.4 | 3.91 | - | - | - | - | - | - | 3.64 | 7.056E-08 | 1.118E-08 | 0.000E+00 | 0.000E+00 |
| | | | 818121.5 | 832954.7 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818135.4 | 832959.5 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818140.9 | 832943.9 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818121.6 | 832937.1 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818120.2 | 832936.7 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818118.7 | 832936.6 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818117.3 | 832936.8 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818115.9 | 832937.1 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818114.6 | 832937.7 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818113.5 | 832938.6 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818112.5 | 832939.6 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818087.5 | 832969.1 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818086.9 | 832970.0 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818070.1 | 832996.4 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818084.1 | 833005.3 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE713 | AREAPOLY | 818198.4 | 832987.7 | 3.91 | - | - | - | - | - | - | 3.64 | 8.837E-08 | 1.400E-08 | 0.000E+00 | 0.000E+00 |
| | | | 818142.0 | 832946.4 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818134.2 | 832957.0 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818190.7 | 832998.4 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818249.6 | 833040.6 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818304.1 | 833081.0 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818304.4 | 833081.2 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818362.3 | 833120.0 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818415.5 | 833156.1 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818422.9 | 833145.1 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818369.7 | 833109.0 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818311.8 | 833070.3 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818257.4 | 833029.9 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE714 | AREA | 818505.1 | 833201.1 | 3.91 | - | - | - | - | - | - | 3.64 | 8.837E-08 | 1.400E-08 | 0.000E+00 | 0.000E+00 |
| | | | 818422.9 | 833145.1 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818415.5 | 833156.1 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 818497.6 | 833212.0 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |

Appendix 3.9 Emission Inventory for Emissions Associated with Bus and Minibus Termini, and Heavy Goods Vehicles and Coach Parking Sites

**Emission Inventory for Start Emissions (Operation Phase – Year 2033)**

| Bus Terminus | Source ID | Type | X (m) | Y (m) | Release Height (mAG) | Exit Temperature (K) | Exit Velocity (m/s) | Stack Diameter (m) | Length of X Side (m) | Length of Y Side (m) | Angle (degree) | Szinit (m) | Max. Hourly Emission Rate NO (g/s) | $NO_2$ (g/s) | RSP (g/m³/s) | FSP (g/m³/s) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hung Shui Kiu (Hung Yuen Road) Bus PTI | SE801 | AREA | 817826.6 | 832919.9 | 3.91 | - | - | - | - | - | - | 3.64 | 1.900E-07 | 3.014E-08 | 0.000E+00 | 0.000E+00 |
| | | | 817813.2 | 832910.7 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817796.5 | 832934.8 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817810.0 | 832944.1 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE802 | AREAPOLY | 817841.8 | 832953.6 | 3.91 | - | - | - | - | - | - | 3.64 | 1.526E-07 | 2.420E-08 | 0.000E+00 | 0.000E+00 |
| | | | 817809.0 | 832931.1 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817797.5 | 832947.8 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817830.5 | 832970.5 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817831.0 | 832970.8 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817843.7 | 832978.6 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817854.3 | 832961.2 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE803 | AREAPOLY | 817860.5 | 832967.3 | 3.91 | - | - | - | - | - | - | 3.64 | 1.900E-07 | 3.014E-08 | 0.000E+00 | 0.000E+00 |
| | | | 817853.3 | 832962.9 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817844.8 | 832976.9 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817851.8 | 832981.1 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817910.3 | 833022.5 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817985.8 | 833076.0 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817995.2 | 833062.7 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817919.7 | 833009.2 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817860.9 | 832967.6 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE804 | AREAPOLY | 817996.4 | 833072.5 | 3.91 | - | - | - | - | - | - | 3.64 | 2.329E-07 | 3.694E-08 | 0.000E+00 | 0.000E+00 |
| | | | 817984.7 | 833066.2 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817960.0 | 833112.2 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817959.8 | 833112.6 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817944.0 | 833147.8 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817936.2 | 833164.2 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817948.3 | 833169.9 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817956.1 | 833153.3 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817971.8 | 833118.2 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE805 | AREAPOLY | 817948.3 | 833169.9 | 3.91 | - | - | - | - | - | - | 3.64 | 2.329E-07 | 3.694E-08 | 0.000E+00 | 0.000E+00 |
| | | | 817936.2 | 833164.3 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817927.5 | 833183.1 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817927.4 | 833183.4 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817916.0 | 833211.2 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817905.3 | 833238.3 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817905.2 | 833238.5 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817905.0 | 833239.1 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817899.0 | 833262.5 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817881.9 | 833333.5 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817894.9 | 833336.6 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817911.9 | 833265.7 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817917.8 | 833242.9 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817928.4 | 833216.2 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817939.6 | 833188.6 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE806 | AREA | 817963.4 | 833332.4 | 3.91 | - | - | - | - | - | - | 3.64 | 1.239E-07 | 1.965E-08 | 0.000E+00 | 0.000E+00 |
| | | | 817890.0 | 833322.7 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817886.8 | 833347.5 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817960.1 | 833357.2 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | SE807 | AREA | 817973.4 | 833309.0 | 3.91 | - | - | - | - | - | - | 3.64 | 2.329E-07 | 3.694E-08 | 0.000E+00 | 0.000E+00 |
| | | | 817960.2 | 833307.2 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817955.2 | 833343.9 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |
| | | | 817968.4 | 833345.7 | 3.91 | - | - | - | - | - | - | 3.64 | | | | |

**Appendix 3.9 Emission Inventory for Emissions Associated with Bus and Minibus Termini, and Heavy Goods Vehicles and Coach Parking Sites**

## Routing of Start Emission on Open Road

| Terminus | Source ID | Travel Distance outside Bus Terminus (m) | Area ($m^2$) | % of Flow | Max. Hourly Emission Rate (g/s) NO | Max. Hourly Emission Rate (g/s) $NO_2$ | Max. Hourly Emission Rate ($g/m^2/s$) NO | Max. Hourly Emission Rate ($g/m^2/s$) $NO_2$ |
|---|---|---|---|---|---|---|---|---|
| HGV Carpark at Ping Kwai Road | SE101 | 7 | 95 | 100% | 3.221E-05 | 1.483E-05 | 3.392E-07 | 1.562E-07 |
| | SE102 | 30 | 391 | 100% | 1.345E-04 | 6.194E-05 | 3.444E-07 | 1.586E-07 |
| | SE103 | 113 | 1741 | 100% | 5.102E-04 | 2.349E-04 | 2.930E-07 | 1.349E-07 |
| | SE104 | 62 | 1098 | 100% | 2.815E-04 | 1.296E-04 | 2.564E-07 | 1.181E-07 |
| | SE105 | 350 | 5872 | 55% | 8.674E-04 | 3.995E-04 | 1.477E-07 | 6.802E-08 |
| | SE106 | 58 | 923 | 55% | 1.450E-04 | 6.679E-05 | 1.571E-07 | 7.233E-08 |
| | SE107 | 19 | 329 | 45% | 3.790E-05 | 1.745E-05 | 1.154E-07 | 5.312E-08 |
| | SE108 | 122 | 1939 | 40% | 2.201E-04 | 1.014E-04 | 1.135E-07 | 5.227E-08 |
| | SE109 | 267 | 3551 | 40% | 4.819E-04 | 2.219E-04 | 1.357E-07 | 6.249E-08 |
| | SE110 | 317 | 5132 | 5% | 7.147E-05 | 3.291E-05 | 1.393E-08 | 6.414E-09 |
| | SE111 | 72 | 1175 | 5% | 1.617E-05 | 7.445E-06 | 1.376E-08 | 6.335E-09 |
| HGV Carpark at Energy Industrial Centre | SE201 | 5 | 69 | 100% | 6.630E-06 | 3.240E-06 | 9.564E-08 | 4.673E-08 |
| | SE202 | 48 | 620 | 100% | 5.930E-05 | 2.898E-05 | 9.564E-08 | 4.673E-08 |
| | SE203 | 135 | 2195 | 100% | 1.662E-04 | 8.120E-05 | 7.571E-08 | 3.699E-08 |
| | SE204 | 450 | 5900 | 40% | 2.221E-04 | 1.085E-04 | 3.764E-08 | 1.839E-08 |
| | SE205 | 19 | 304 | 60% | 1.382E-05 | 6.752E-06 | 4.541E-08 | 2.219E-08 |
| | SE206 | 431 | 7327 | 60% | 3.191E-04 | 1.559E-04 | 4.354E-08 | 2.128E-08 |
| HGV Carpark at Forefront Cyber Centre | SE301 | 110 | 1464 | 100% | 1.116E-04 | 5.216E-05 | 7.623E-08 | 3.564E-08 |
| | SE302 | 99 | 1323 | 100% | 1.008E-04 | 4.714E-05 | 7.623E-08 | 3.564E-08 |
| | SE303 | 194 | 2558 | 100% | 1.965E-04 | 9.187E-05 | 7.681E-08 | 3.591E-08 |
| | SE304 | 135 | 2199 | 100% | 1.368E-04 | 6.394E-05 | 6.221E-08 | 2.908E-08 |
| | SE305 | 112 | 1784 | 40% | 4.551E-05 | 2.127E-05 | 2.551E-08 | 1.192E-08 |
| | SE306 | 17 | 280 | 60% | 1.046E-05 | 4.892E-06 | 3.732E-08 | 1.745E-08 |
| | SE307 | 95 | 1613 | 60% | 5.772E-05 | 2.699E-05 | 3.578E-08 | 1.673E-08 |
| Hung Fuk Estate Minibus PTI (Minibus - LPG) | SE401 | 138 | 2244 | 100% | 1.575E-03 | 7.910E-06 | 7.018E-07 | 3.525E-09 |
| Hung Fuk Estate Minibus PTI (Minibus - Diesel) | SE402 | 147 | 2389 | 100% | 3.952E-04 | 1.537E-04 | 1.654E-07 | 6.433E-08 |
| | SE403 | 55 | 989 | 100% | 1.480E-04 | 5.757E-05 | 1.496E-07 | 5.819E-08 |
| | SE404 | 124 | 1655 | 100% | 3.345E-04 | 1.301E-04 | 2.021E-07 | 7.859E-08 |
| | SE405 | 27 | 434 | 100% | 7.169E-05 | 2.788E-05 | 1.652E-07 | 6.426E-08 |
| | SE406 | 30 | 400 | 100% | 8.097E-05 | 3.149E-05 | 2.025E-07 | 7.876E-08 |
| | SE407 | 20 | 320 | 100% | 5.292E-05 | 2.058E-05 | 1.652E-07 | 6.426E-08 |
| | SE408 | 52 | 666 | 100% | 1.402E-04 | 5.453E-05 | 2.104E-07 | 8.183E-08 |
| | SE409 | 208 | 2609 | 100% | 5.589E-04 | 2.174E-04 | 2.142E-07 | 8.331E-08 |
| | SE410 | 12 | 166 | 100% | 3.221E-05 | 1.253E-05 | 1.938E-07 | 7.536E-08 |
| | SE411 | 14 | 233 | 100% | 3.849E-05 | 1.497E-05 | 1.652E-07 | 6.426E-08 |
| Hung Fuk Estate Bus PTI | SE501 | 5 | 81 | 100% | 3.362E-05 | 5.334E-06 | 4.168E-07 | 6.611E-08 |
| | SE502 | 125 | 2036 | 39% | 3.138E-04 | 4.978E-05 | 1.541E-07 | 2.445E-08 |
| | SE503 | 54 | 1087 | 39% | 1.345E-04 | 2.134E-05 | 1.237E-07 | 1.963E-08 |
| | SE504 | 62 | 1009 | 39% | 1.554E-04 | 2.466E-05 | 1.541E-07 | 2.445E-08 |
| | SE505 | 115 | 1531 | 39% | 2.891E-04 | 4.586E-05 | 1.889E-07 | 2.996E-08 |
| | SE506 | 31 | 498 | 39% | 7.787E-05 | 1.235E-05 | 1.565E-07 | 2.483E-08 |
| | SE507 | 30 | 400 | 39% | 7.558E-05 | 1.199E-05 | 1.889E-07 | 2.996E-08 |
| | SE508 | 16 | 257 | 39% | 3.968E-05 | 6.294E-06 | 1.541E-07 | 2.445E-08 |
| | SE509 | 23 | 395 | 39% | 5.702E-05 | 9.045E-06 | 1.444E-07 | 2.290E-08 |
| | SE510 | 162 | 2045 | 39% | 4.078E-04 | 6.468E-05 | 1.994E-07 | 3.163E-08 |
| | SE511 | 34 | 477 | 39% | 8.630E-05 | 1.369E-05 | 1.807E-07 | 2.867E-08 |
| | SE512 | 48 | 778 | 61% | 1.904E-04 | 3.020E-05 | 2.448E-07 | 3.882E-08 |
| | SE513 | 110 | 1128 | 61% | 4.369E-04 | 6.930E-05 | 3.873E-07 | 6.144E-08 |
| | SE514 | 177 | 2368 | 61% | 7.049E-04 | 1.118E-04 | 2.977E-07 | 4.723E-08 |
| | SE515 | 27 | 436 | 61% | 1.066E-04 | 1.691E-05 | 2.448E-07 | 3.883E-08 |
| | SE516 | 172 | 1776 | 61% | 6.878E-04 | 1.091E-04 | 3.873E-07 | 6.144E-08 |
| | SE517 | 14 | 236 | 61% | 5.776E-05 | 9.163E-06 | 2.448E-07 | 3.883E-08 |
| | SE518 | 104 | 1701 | 61% | 4.164E-04 | 6.605E-05 | 2.448E-07 | 3.883E-08 |
| Hung Fuk Estate Bus PTI (Roadside) | SE601 | 23 | 353 | 100% | 4.468E-05 | 6.859E-06 | 1.267E-07 | 1.946E-08 |
| | SE602 | 48 | 778 | 100% | 9.435E-05 | 1.449E-05 | 1.213E-07 | 1.862E-08 |
| | SE603 | 110 | 1128 | 100% | 2.165E-04 | 3.324E-05 | 1.919E-07 | 2.947E-08 |
| | SE604 | 177 | 2368 | 100% | 3.493E-04 | 5.363E-05 | 1.475E-07 | 2.265E-08 |
| | SE605 | 27 | 436 | 18% | 9.510E-06 | 1.460E-06 | 2.183E-08 | 3.352E-09 |
| | SE606 | 172 | 1776 | 18% | 6.135E-05 | 9.419E-06 | 3.455E-08 | 5.304E-09 |
| | SE607 | 14 | 236 | 18% | 5.152E-06 | 7.910E-07 | 2.183E-08 | 3.352E-09 |
| | SE608 | 113 | 1844 | 18% | 4.027E-05 | 6.182E-06 | 2.183E-08 | 3.352E-09 |
| | SE609 | 75 | 1865 | 82% | 1.209E-04 | 1.856E-05 | 6.484E-08 | 9.955E-09 |
| | SE610 | 83 | 1186 | 82% | 1.339E-04 | 2.055E-05 | 1.129E-07 | 1.733E-08 |
| | SE611 | 81 | 1071 | 82% | 1.306E-04 | 2.005E-05 | 1.219E-07 | 1.871E-08 |
| | SE612 | 89 | 1098 | 82% | 1.445E-04 | 2.219E-05 | 1.316E-07 | 2.020E-08 |
| MTR Bus Depot | SE701 | 32 | 438 | 81% | 5.648E-02 | 2.498E-05 | 1.290E-04 | 5.704E-08 |
| | SE702 | 74 | 989 | 81% | 3.698E-04 | 5.858E-05 | 3.739E-07 | 5.923E-08 |
| | SE703 | 159 | 1637 | 81% | 7.902E-04 | 1.252E-04 | 4.828E-07 | 7.649E-08 |
| | SE704 | 59 | 792 | 81% | 2.941E-04 | 4.659E-05 | 3.711E-07 | 5.880E-08 |
| | SE705 | 97 | 1302 | 81% | 4.833E-04 | 7.656E-05 | 3.711E-07 | 5.880E-08 |
| | SE706 | 19 | 248 | 81% | 9.210E-05 | 1.459E-05 | 3.711E-07 | 5.879E-08 |
| | SE707 | 22 | 290 | 81% | 1.092E-04 | 1.730E-05 | 3.767E-07 | 5.969E-08 |
| | SE708 | 123 | 1258 | 81% | 6.135E-04 | 9.719E-05 | 4.876E-07 | 7.724E-08 |
| | SE709 | 15 | 202 | 81% | 7.619E-05 | 1.207E-05 | 3.766E-07 | 5.967E-08 |
| | SE710 | 37 | 513 | 19% | 4.335E-05 | 6.868E-06 | 8.453E-08 | 1.339E-08 |
| | SE711 | 29 | 381 | 19% | 3.339E-05 | 5.289E-06 | 8.771E-08 | 1.390E-08 |
| | SE712 | 90 | 1495 | 19% | 1.055E-04 | 1.671E-05 | 7.056E-08 | 1.118E-08 |
| | SE713 | 344 | 4546 | 19% | 4.018E-04 | 6.365E-05 | 8.837E-08 | 1.400E-08 |
| | SE714 | 99 | 1312 | 19% | 1.160E-04 | 1.837E-05 | 8.837E-08 | 1.400E-08 |
| Hung Shui Kiu (Hung Yuen Road) Bus PTI | SE801 | 29 | 478 | 100% | 9.079E-05 | 1.440E-05 | 1.900E-07 | 3.014E-08 |
| | SE802 | 55 | 1116 | 100% | 1.703E-04 | 2.702E-05 | 1.526E-07 | 2.420E-08 |
| | SE803 | 173 | 2820 | 100% | 5.358E-04 | 8.500E-05 | 1.900E-07 | 3.014E-08 |
| | SE804 | 109 | 1450 | 100% | 3.376E-04 | 5.356E-05 | 2.329E-07 | 3.694E-08 |
| | SE805 | 177 | 2354 | 100% | 5.482E-04 | 8.697E-05 | 2.329E-07 | 3.694E-08 |
| | SE806 | 74 | 1850 | 100% | 2.292E-04 | 3.636E-05 | 1.239E-07 | 1.965E-08 |
| | SE807 | 37 | 492 | 100% | 1.146E-04 | 1.818E-05 | 2.329E-07 | 3.694E-08 |

**Appendix 3.9 Emission Inventory for Emissions Associated with Bus and Minibus Termini, and Heavy Goods Vehicles and Coach Parking Sites**

## Calculation of Idling Emission Factor

**PLB (Diesel)**

$NO/NO_2$ Ratio [1] = 2.57 From EMFAC

| | Population % | Cold Idling NOx (g/s) [2][3] | Cold Idling PM (g/hr) [4] | Hot Idling NOx (g/hr) [5] | Hot Idling PM (g/hr) [6] | Mass Factor | AC Factor [7] | Avg. Cold Idling NOx (g/min) | Avg. Cold Idling NO (g/min) | Avg. Cold Idling $NO_2$ (g/min) | Avg. Cold Idling PM [8] (g/min) | Avg. Hot Idling NOx (g/min) | Avg. Hot Idling NO (g/min) | Avg. Hot Idling $NO_2$ (g/min) | Avg. Hot Idling PM [8] (g/min) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Euro VI | 96% | 0.0010 | 0.02 | 1.28 | 0.02 | - | 1.3 | 6.001E-02 | 4.321E-02 | 1.680E-02 | 4.338E-04 | 3.000E-02 | 2.160E-02 | 8.399E-03 | 4.338E-04 |
| Euro V | 4% | 0.0010 | 0.02 | 3.60 | 0.02 | | | | | | | | | | |
| Euro IV | 0% | 0.0010 | 0.16 | 3.62 | 0.16 | | | | | | | | | | |

**PLB (LPG)**

$NO/NO_2$ Ratio [1] = 198.02 From EMFAC

| | Population % | Cold Idling NOx (g/s) [2] | Cold Idling PM (g/hr) [4] | Hot Idling NOx (g/hr) [9] | Hot Idling PM (g/hr) [10] | Mass Factor | AC Factor [7] | Avg. Cold Idling NOx (g/min) | Avg. Cold Idling NO (g/min) | Avg. Cold Idling $NO_2$ (g/min) | Avg. Cold Idling PM [8] (g/min) | Avg. Hot Idling NOx (g/min) | Avg. Hot Idling NO (g/min) | Avg. Hot Idling $NO_2$ (g/min) | Avg. Hot Idling PM [8] (g/min) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Euro V | 97% | 0.0039 | 0.02 | 14.04 | 0.02 | - | 1.3 | 2.379E-01 | 2.367E-01 | 1.195E-03 | 4.919E-04 | 3.092E-01 | 3.077E-01 | 1.554E-03 | 4.919E-04 |
| Euro IV | 1% | 0.0039 | 0.16 | 14.04 | 0.16 | | | | | | | | | | |
| Euro III | 1% | 0.0092 | 0.10 | 33.12 | 0.10 | | | | | | | | | | |

**FBDD**

$NO/NO_2$ Ratio [1] = 7.70 From EMFAC

| | Population % | Cold Idling NOx (g/s) [2] | Cold Idling PM (g/hr) [4] | Hot Idling NOx (g/hr) [11] | Hot Idling PM (g/hr) [12] | Mass Factor [13] | AC Factor [7] | Avg. Cold Idling NOx (g/min) | Avg. Cold Idling NO (g/min) | Avg. Cold Idling $NO_2$ (g/min) | Avg. Cold Idling PM [8] (g/min) | Avg. Hot Idling NOx (g/min) | Avg. Hot Idling NO (g/min) | Avg. Hot Idling $NO_2$ (g/min) | Avg. Hot Idling PM [8] (g/min) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Euro VI | 65% | 0.0225 | 0.01 | 1.75 | 0.01 | 1.2 | 1.3 | 4.124E+00 | 3.650E+00 | 4.742E-01 | 1.086E-03 | 1.369E-01 | 1.211E-01 | 1.574E-02 | 1.086E-03 |
| Euro V | 35% | 0.1535 | 0.10 | 11.71 | 0.10 | | | | | | | | | | |
| Euro IV | 0% | 0.1535 | 0.20 | 7.51 | 0.20 | | | | | | | | | | |

**FBSD**

$NO/NO_2$ Ratio [1] = 2.45 From EMFAC

| | Population % | Cold Idling NOx (g/s) [2] | Cold Idling PM (g/hr) [4] | Hot Idling NOx (g/hr) [11] | Hot Idling PM (g/hr) [12] | Mass Factor [13] | AC Factor [7] | Avg. Cold Idling NOx (g/min) | Avg. Cold Idling NO (g/min) | Avg. Cold Idling $NO_2$ (g/min) | Avg. Cold Idling PM [8] (g/min) | Avg. Hot Idling NOx (g/min) | Avg. Hot Idling NO (g/min) | Avg. Hot Idling $NO_2$ (g/min) | Avg. Hot Idling PM [8] (g/min) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Euro VI | 100% | 0.0077 | 0.01 | 1.75 | 0.01 | 1.2 | 1.3 | 4.620E-01 | 3.280E-01 | 1.340E-01 | 2.600E-04 | 4.550E-02 | 3.231E-02 | 1.319E-02 | 2.600E-04 |
| Euro V | 0% | 0.0474 | 0.10 | 11.71 | 0.10 | | | | | | | | | | |
| Euro IV | 0% | 0.0573 | 0.20 | 7.51 | 0.20 | | | | | | | | | | |

Remarks

[1] $NO/NO_2$ ratio, at the respective running speed, was calculated based on emisison factors extracted from EMFAC-HK.
[2] NOx cold idling emission factors was referenced to *Calculation of Start Emissions in Air Quality Impact Assessment* published by EPD.
[3] Due to the lack of information, NOx cold idling emission factor for Euro IV to Euro V PLB(Diesel) was referenced to the corresponding hot idling emission factor.
[4] Due to the lack of information, RSP cold idling emission factor was referenced to the corresponding hot idling emission factor.
[5] Reference made to Table 42 of *Road Tunnels: Vehicle Emissions and Air Demand for Ventilation (VEADV) published by World Road Association (VEADV)*.
[6] Reference made to Table 43 of *VEADV*.
[7] Reference made to the approved *Liantang / Heung Yuen Wai Boundary Control Point and Associated Works EIA Report*.
[8] All TSP (PM) emissions were assumed for RSP and FSP as a conservative approach.
[9] Due to the lack of information, NOx hot idling emission factor for PLB(LPG) was referenced to the corresponding cold idling emission factor from *Calculation of Start Emissions in Air Quality Impact Assessment* published by EPD.
[10] Due to the lack of information, RSP hot idling emission factor for PLB(LPG) was referenced to hot idling emission factor for PLB(Diesel).
[11] Reference made to Table 45 of VEADV.
[12] Reference made to Table 46 of VEADV.
[13] Reference made to Table 27 of VEADV.

## HGV Carpark at Ping Kwai Road

**Running Emission**

| | | |
|---|---|---|
| Average Travelling Distance within Parking Site = | 139 | m |
| Average Travelling Speed = | 10 | km/h |

**Running Emission - Heavy Goods Vehicles <=15t**

| Hour | Frequency | Running Emission Factor (g/km·vehicle) | | | | | Running Emission Within Parking Site (g) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP |
| 0000 - 0100 | 0.0 | 1.106E+00 | 5.369E-01 | 4.010E-02 | 3.690E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0100 - 0200 | 0.0 | 1.106E+00 | 5.369E-01 | 4.010E-02 | 3.690E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0200 - 0300 | 0.0 | 1.106E+00 | 5.369E-01 | 4.010E-02 | 3.690E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0300 - 0400 | 0.0 | 1.106E+00 | 5.369E-01 | 4.010E-02 | 3.690E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0400 - 0500 | 0.0 | 1.106E+00 | 5.369E-01 | 4.010E-02 | 3.690E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0500 - 0600 | 0.0 | 1.106E+00 | 5.369E-01 | 4.010E-02 | 3.690E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0600 - 0700 | 2.0 | 1.106E+00 | 5.369E-01 | 4.010E-02 | 3.690E-02 | | 3.074E-01 | 1.493E-01 | 1.115E-02 | 1.026E-02 | |
| 0700 - 0800 | 1.0 | 1.106E+00 | 5.369E-01 | 4.010E-02 | 3.690E-02 | | 1.537E-01 | 7.463E-02 | 5.574E-03 | 5.129E-03 | |
| 0800 - 0900 | 2.0 | 1.106E+00 | 5.369E-01 | 4.010E-02 | 3.690E-02 | | 3.074E-01 | 1.493E-01 | 1.115E-02 | 1.026E-02 | |
| 0900 - 1000 | 1.0 | 1.106E+00 | 5.369E-01 | 4.010E-02 | 3.690E-02 | | 1.537E-01 | 7.463E-02 | 5.574E-03 | 5.129E-03 | |
| 1000 - 1100 | 0.0 | 1.106E+00 | 5.369E-01 | 4.010E-02 | 3.690E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1100 - 1200 | 2.0 | 1.106E+00 | 5.369E-01 | 4.010E-02 | 3.690E-02 | | 3.074E-01 | 1.493E-01 | 1.115E-02 | 1.026E-02 | |
| 1200 - 1300 | 0.0 | 1.106E+00 | 5.369E-01 | 4.010E-02 | 3.690E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1300 - 1400 | 1.0 | 1.106E+00 | 5.369E-01 | 4.010E-02 | 3.690E-02 | | 1.537E-01 | 7.463E-02 | 5.574E-03 | 5.129E-03 | |
| 1400 - 1500 | 0.0 | 1.106E+00 | 5.369E-01 | 4.010E-02 | 3.690E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1500 - 1600 | 0.0 | 1.106E+00 | 5.369E-01 | 4.010E-02 | 3.690E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1600 - 1700 | 0.0 | 1.106E+00 | 5.369E-01 | 4.010E-02 | 3.690E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1700 - 1800 | 0.0 | 1.106E+00 | 5.369E-01 | 4.010E-02 | 3.690E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1800 - 1900 | 0.0 | 1.106E+00 | 5.369E-01 | 4.010E-02 | 3.690E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1900 - 2000 | 0.0 | 1.106E+00 | 5.369E-01 | 4.010E-02 | 3.690E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2000 - 2100 | 0.0 | 1.106E+00 | 5.369E-01 | 4.010E-02 | 3.690E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2100 - 2200 | 0.0 | 1.106E+00 | 5.369E-01 | 4.010E-02 | 3.690E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2200 - 2300 | 0.0 | 1.106E+00 | 5.369E-01 | 4.010E-02 | 3.690E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2300 - 2400 | 0.0 | 1.106E+00 | 5.369E-01 | 4.010E-02 | 3.690E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |

**Running Emission - Heavy Goods Vehicles 15-24t**

| Hour | Frequency | Running Emission Factor (g/km·vehicle) | | | | | Running Emission Within Parking Site (g) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP |
| 0000 - 0100 | 0.0 | 2.662E+00 | 1.256E+00 | 7.080E-02 | 6.510E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0100 - 0200 | 0.0 | 2.662E+00 | 1.256E+00 | 7.080E-02 | 6.510E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0200 - 0300 | 0.0 | 2.662E+00 | 1.256E+00 | 7.080E-02 | 6.510E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0300 - 0400 | 1.0 | 2.662E+00 | 1.256E+00 | 7.080E-02 | 6.510E-02 | | 3.700E-01 | 1.746E-01 | 9.841E-03 | 9.049E-03 | |
| 0400 - 0500 | 0.0 | 2.662E+00 | 1.256E+00 | 7.080E-02 | 6.510E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0500 - 0600 | 0.0 | 2.662E+00 | 1.256E+00 | 7.080E-02 | 6.510E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0600 - 0700 | 0.0 | 2.662E+00 | 1.256E+00 | 7.080E-02 | 6.510E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0700 - 0800 | 1.0 | 2.662E+00 | 1.256E+00 | 7.080E-02 | 6.510E-02 | | 3.700E-01 | 1.746E-01 | 9.841E-03 | 9.049E-03 | |
| 0800 - 0900 | 0.0 | 2.662E+00 | 1.256E+00 | 7.080E-02 | 6.510E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0900 - 1000 | 0.0 | 2.662E+00 | 1.256E+00 | 7.080E-02 | 6.510E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1000 - 1100 | 0.0 | 2.662E+00 | 1.256E+00 | 7.080E-02 | 6.510E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1100 - 1200 | 0.0 | 2.662E+00 | 1.256E+00 | 7.080E-02 | 6.510E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1200 - 1300 | 0.0 | 2.662E+00 | 1.256E+00 | 7.080E-02 | 6.510E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1300 - 1400 | 0.0 | 2.662E+00 | 1.256E+00 | 7.080E-02 | 6.510E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1400 - 1500 | 0.0 | 2.662E+00 | 1.256E+00 | 7.080E-02 | 6.510E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1500 - 1600 | 1.0 | 2.662E+00 | 1.256E+00 | 7.080E-02 | 6.510E-02 | | 3.700E-01 | 1.746E-01 | 9.841E-03 | 9.049E-03 | |
| 1600 - 1700 | 0.0 | 2.662E+00 | 1.256E+00 | 7.080E-02 | 6.510E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1700 - 1800 | 0.0 | 2.662E+00 | 1.256E+00 | 7.080E-02 | 6.510E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1800 - 1900 | 0.0 | 2.662E+00 | 1.256E+00 | 7.080E-02 | 6.510E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1900 - 2000 | 0.0 | 2.662E+00 | 1.256E+00 | 7.080E-02 | 6.510E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2000 - 2100 | 0.0 | 2.662E+00 | 1.256E+00 | 7.080E-02 | 6.510E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2100 - 2200 | 0.0 | 2.662E+00 | 1.256E+00 | 7.080E-02 | 6.510E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2200 - 2300 | 0.0 | 2.662E+00 | 1.256E+00 | 7.080E-02 | 6.510E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2300 - 2400 | 0.0 | 2.662E+00 | 1.256E+00 | 7.080E-02 | 6.510E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |

**Running Emission - Heavy Goods Vehicles >24t**

| Hour | Frequency | Running Emission Factor (g/km·vehicle) | | | | | Running Emission Within Parking Site (g) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP |
| 0000 - 0100 | 0.0 | 2.724E+00 | 1.254E+00 | 6.770E-02 | 6.220E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0100 - 0200 | 0.0 | 2.724E+00 | 1.254E+00 | 6.770E-02 | 6.220E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0200 - 0300 | 0.0 | 2.724E+00 | 1.254E+00 | 6.770E-02 | 6.220E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0300 - 0400 | 0.0 | 2.724E+00 | 1.254E+00 | 6.770E-02 | 6.220E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0400 - 0500 | 0.0 | 2.724E+00 | 1.254E+00 | 6.770E-02 | 6.220E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0500 - 0600 | 0.0 | 2.724E+00 | 1.254E+00 | 6.770E-02 | 6.220E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0600 - 0700 | 0.0 | 2.724E+00 | 1.254E+00 | 6.770E-02 | 6.220E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0700 - 0800 | 3.0 | 2.724E+00 | 1.254E+00 | 6.770E-02 | 6.220E-02 | | 1.136E+00 | 5.230E-01 | 2.823E-02 | 2.594E-02 | |
| 0800 - 0900 | 0.0 | 2.724E+00 | 1.254E+00 | 6.770E-02 | 6.220E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0900 - 1000 | 0.0 | 2.724E+00 | 1.254E+00 | 6.770E-02 | 6.220E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1000 - 1100 | 0.0 | 2.724E+00 | 1.254E+00 | 6.770E-02 | 6.220E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1100 - 1200 | 0.0 | 2.724E+00 | 1.254E+00 | 6.770E-02 | 6.220E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1200 - 1300 | 0.0 | 2.724E+00 | 1.254E+00 | 6.770E-02 | 6.220E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1300 - 1400 | 0.0 | 2.724E+00 | 1.254E+00 | 6.770E-02 | 6.220E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1400 - 1500 | 1.0 | 2.724E+00 | 1.254E+00 | 6.770E-02 | 6.220E-02 | | 3.786E-01 | 1.743E-01 | 9.410E-03 | 8.646E-03 | |
| 1500 - 1600 | 0.0 | 2.724E+00 | 1.254E+00 | 6.770E-02 | 6.220E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1600 - 1700 | 0.0 | 2.724E+00 | 1.254E+00 | 6.770E-02 | 6.220E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1700 - 1800 | 0.0 | 2.724E+00 | 1.254E+00 | 6.770E-02 | 6.220E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1800 - 1900 | 0.0 | 2.724E+00 | 1.254E+00 | 6.770E-02 | 6.220E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1900 - 2000 | 0.0 | 2.724E+00 | 1.254E+00 | 6.770E-02 | 6.220E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2000 - 2100 | 0.0 | 2.724E+00 | 1.254E+00 | 6.770E-02 | 6.220E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2100 - 2200 | 0.0 | 2.724E+00 | 1.254E+00 | 6.770E-02 | 6.220E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2200 - 2300 | 0.0 | 2.724E+00 | 1.254E+00 | 6.770E-02 | 6.220E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2300 - 2400 | 0.0 | 2.724E+00 | 1.254E+00 | 6.770E-02 | 6.220E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |

**Total Hourly Emission**

| Hour | Emission Within Parking Site | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Total Emission (g) (Running + Starting) | | | | | Total Emission Rate (g/s) | | | | |
| | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP |
| 0000 - 0100 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0100 - 0200 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0200 - 0300 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0300 - 0400 | 6.888E-01 | 3.224E-01 | 9.841E-03 | 9.049E-03 | | 1.913E-04 | 8.954E-05 | 2.734E-06 | 2.514E-06 | |
| 0400 - 0500 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0500 - 0600 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0600 - 0700 | 9.349E-01 | 4.571E-01 | 1.115E-02 | 1.026E-02 | | 2.597E-04 | 1.270E-04 | 3.097E-06 | 2.850E-06 | |
| 0700 - 0800 | 2.959E+00 | 1.371E+00 | 4.365E-02 | 4.012E-02 | | 8.220E-04 | 3.807E-04 | 1.212E-05 | 1.114E-05 | |
| 0800 - 0900 | 9.349E-01 | 4.571E-01 | 1.115E-02 | 1.026E-02 | | 2.597E-04 | 1.270E-04 | 3.097E-06 | 2.850E-06 | |
| 0900 - 1000 | 1.635E-01 | 7.944E-02 | 5.574E-03 | 5.129E-03 | | 4.542E-05 | 2.207E-05 | 1.548E-06 | 1.425E-06 | |
| 1000 - 1100 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1100 - 1200 | 3.172E-01 | 1.541E-01 | 1.115E-02 | 1.026E-02 | | 8.811E-05 | 4.280E-05 | 3.097E-06 | 2.850E-06 | |
| 1200 - 1300 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1300 - 1400 | 1.635E-01 | 7.944E-02 | 5.574E-03 | 5.129E-03 | | 4.542E-05 | 2.207E-05 | 1.548E-06 | 1.425E-06 | |
| 1400 - 1500 | 3.888E-01 | 1.789E-01 | 9.410E-03 | 8.646E-03 | | 1.080E-04 | 4.970E-05 | 2.614E-06 | 2.402E-06 | |
| 1500 - 1600 | 3.799E-01 | 1.793E-01 | 9.841E-03 | 9.049E-03 | | 1.055E-04 | 4.979E-05 | 2.734E-06 | 2.514E-06 | |
| 1600 - 1700 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1700 - 1800 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1800 - 1900 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1900 - 2000 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2000 - 2100 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2100 - 2200 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2200 - 2300 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2300 - 2400 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |

## HGV Carpark at Energy Industrial Centre

**Running Emission**

| | | |
|---|---|---|
| Average Travelling Distance within Parking Site = | 124 | m |
| Average Travelling Speed = | 8 | km/h |

**Running Emission - Heavy Goods Vehicles <=15t**

| Hour | Frequency | Running Emission Factor (g/km·vehicle) | | | | | Running Emission Within Parking Site (g) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP |
| 0000 - 0100 | 1.0 | 1.235E+00 | 5.998E-01 | 4.350E-02 | 4.000E-02 | | 1.531E-01 | 7.438E-02 | 5.394E-03 | 4.960E-03 | |
| 0100 - 0200 | 0.0 | 1.235E+00 | 5.998E-01 | 4.350E-02 | 4.000E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0200 - 0300 | 1.0 | 1.235E+00 | 5.998E-01 | 4.350E-02 | 4.000E-02 | | 1.531E-01 | 7.438E-02 | 5.394E-03 | 4.960E-03 | |
| 0300 - 0400 | 1.0 | 1.235E+00 | 5.998E-01 | 4.350E-02 | 4.000E-02 | | 1.531E-01 | 7.438E-02 | 5.394E-03 | 4.960E-03 | |
| 0400 - 0500 | 1.0 | 1.235E+00 | 5.998E-01 | 4.350E-02 | 4.000E-02 | | 1.531E-01 | 7.438E-02 | 5.394E-03 | 4.960E-03 | |
| 0500 - 0600 | 0.0 | 1.235E+00 | 5.998E-01 | 4.350E-02 | 4.000E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0600 - 0700 | 0.0 | 1.235E+00 | 5.998E-01 | 4.350E-02 | 4.000E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0700 - 0800 | 0.0 | 1.235E+00 | 5.998E-01 | 4.350E-02 | 4.000E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0800 - 0900 | 0.0 | 1.235E+00 | 5.998E-01 | 4.350E-02 | 4.000E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0900 - 1000 | 2.0 | 1.235E+00 | 5.998E-01 | 4.350E-02 | 4.000E-02 | | 3.063E-01 | 1.488E-01 | 1.079E-02 | 9.920E-03 | |
| 1000 - 1100 | 0.0 | 1.235E+00 | 5.998E-01 | 4.350E-02 | 4.000E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1100 - 1200 | 3.0 | 1.235E+00 | 5.998E-01 | 4.350E-02 | 4.000E-02 | | 4.594E-01 | 2.231E-01 | 1.618E-02 | 1.488E-02 | |
| 1200 - 1300 | 0.0 | 1.235E+00 | 5.998E-01 | 4.350E-02 | 4.000E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1300 - 1400 | 1.0 | 1.235E+00 | 5.998E-01 | 4.350E-02 | 4.000E-02 | | 1.531E-01 | 7.438E-02 | 5.394E-03 | 4.960E-03 | |
| 1400 - 1500 | 0.0 | 1.235E+00 | 5.998E-01 | 4.350E-02 | 4.000E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1500 - 1600 | 1.0 | 1.235E+00 | 5.998E-01 | 4.350E-02 | 4.000E-02 | | 1.531E-01 | 7.438E-02 | 5.394E-03 | 4.960E-03 | |
| 1600 - 1700 | 0.0 | 1.235E+00 | 5.998E-01 | 4.350E-02 | 4.000E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1700 - 1800 | 1.0 | 1.235E+00 | 5.998E-01 | 4.350E-02 | 4.000E-02 | | 1.531E-01 | 7.438E-02 | 5.394E-03 | 4.960E-03 | |
| 1800 - 1900 | 0.0 | 1.235E+00 | 5.998E-01 | 4.350E-02 | 4.000E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1900 - 2000 | 0.0 | 1.235E+00 | 5.998E-01 | 4.350E-02 | 4.000E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2000 - 2100 | 0.0 | 1.235E+00 | 5.998E-01 | 4.350E-02 | 4.000E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2100 - 2200 | 0.0 | 1.235E+00 | 5.998E-01 | 4.350E-02 | 4.000E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2200 - 2300 | 0.0 | 1.235E+00 | 5.998E-01 | 4.350E-02 | 4.000E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2300 - 2400 | 0.0 | 1.235E+00 | 5.998E-01 | 4.350E-02 | 4.000E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |

**Running Emission - Heavy Goods Vehicles 15-24t**

| Hour | Frequency | Running Emission Factor (g/km·vehicle) | | | | | Running Emission Within Parking Site (g) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP |
| 0000 - 0100 | 0.0 | 2.690E+00 | 1.261E+00 | 8.010E-02 | 7.360E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0100 - 0200 | 0.0 | 2.690E+00 | 1.261E+00 | 8.010E-02 | 7.360E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0200 - 0300 | 0.0 | 2.690E+00 | 1.261E+00 | 8.010E-02 | 7.360E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0300 - 0400 | 0.0 | 2.690E+00 | 1.261E+00 | 8.010E-02 | 7.360E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0400 - 0500 | 1.0 | 2.690E+00 | 1.261E+00 | 8.010E-02 | 7.360E-02 | | 3.335E-01 | 1.563E-01 | 9.932E-03 | 9.126E-03 | |
| 0500 - 0600 | 0.0 | 2.690E+00 | 1.261E+00 | 8.010E-02 | 7.360E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0600 - 0700 | 0.0 | 2.690E+00 | 1.261E+00 | 8.010E-02 | 7.360E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0700 - 0800 | 0.0 | 2.690E+00 | 1.261E+00 | 8.010E-02 | 7.360E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0800 - 0900 | 0.0 | 2.690E+00 | 1.261E+00 | 8.010E-02 | 7.360E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0900 - 1000 | 1.0 | 2.690E+00 | 1.261E+00 | 8.010E-02 | 7.360E-02 | | 3.335E-01 | 1.563E-01 | 9.932E-03 | 9.126E-03 | |
| 1000 - 1100 | 1.0 | 2.690E+00 | 1.261E+00 | 8.010E-02 | 7.360E-02 | | 3.335E-01 | 1.563E-01 | 9.932E-03 | 9.126E-03 | |
| 1100 - 1200 | 1.0 | 2.690E+00 | 1.261E+00 | 8.010E-02 | 7.360E-02 | | 3.335E-01 | 1.563E-01 | 9.932E-03 | 9.126E-03 | |
| 1200 - 1300 | 1.0 | 2.690E+00 | 1.261E+00 | 8.010E-02 | 7.360E-02 | | 3.335E-01 | 1.563E-01 | 9.932E-03 | 9.126E-03 | |
| 1300 - 1400 | 2.0 | 2.690E+00 | 1.261E+00 | 8.010E-02 | 7.360E-02 | | 6.670E-01 | 3.126E-01 | 1.986E-02 | 1.825E-02 | |
| 1400 - 1500 | 6.0 | 2.690E+00 | 1.261E+00 | 8.010E-02 | 7.360E-02 | | 2.001E+00 | 9.379E-01 | 5.959E-02 | 5.476E-02 | |
| 1500 - 1600 | 0.0 | 2.690E+00 | 1.261E+00 | 8.010E-02 | 7.360E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1600 - 1700 | 1.0 | 2.690E+00 | 1.261E+00 | 8.010E-02 | 7.360E-02 | | 3.335E-01 | 1.563E-01 | 9.932E-03 | 9.126E-03 | |
| 1700 - 1800 | 1.0 | 2.690E+00 | 1.261E+00 | 8.010E-02 | 7.360E-02 | | 3.335E-01 | 1.563E-01 | 9.932E-03 | 9.126E-03 | |
| 1800 - 1900 | 1.0 | 2.690E+00 | 1.261E+00 | 8.010E-02 | 7.360E-02 | | 3.335E-01 | 1.563E-01 | 9.932E-03 | 9.126E-03 | |
| 1900 - 2000 | 0.0 | 2.690E+00 | 1.261E+00 | 8.010E-02 | 7.360E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2000 - 2100 | 1.0 | 2.690E+00 | 1.261E+00 | 8.010E-02 | 7.360E-02 | | 3.335E-01 | 1.563E-01 | 9.932E-03 | 9.126E-03 | |
| 2100 - 2200 | 0.0 | 2.690E+00 | 1.261E+00 | 8.010E-02 | 7.360E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2200 - 2300 | 0.0 | 2.690E+00 | 1.261E+00 | 8.010E-02 | 7.360E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2300 - 2400 | 0.0 | 2.690E+00 | 1.261E+00 | 8.010E-02 | 7.360E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |

**Running Emission - Heavy Goods Vehicles >24t**

| Hour | Frequency | Running Emission Factor (g/km·vehicle) | | | | | Running Emission Within Parking Site (g) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP |
| 0000 - 0100 | 0.0 | 2.769E+00 | 1.261E+00 | 7.660E-02 | 7.050E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0100 - 0200 | 0.0 | 2.769E+00 | 1.261E+00 | 7.660E-02 | 7.050E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0200 - 0300 | 0.0 | 2.769E+00 | 1.261E+00 | 7.660E-02 | 7.050E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0300 - 0400 | 0.0 | 2.769E+00 | 1.261E+00 | 7.660E-02 | 7.050E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0400 - 0500 | 0.0 | 2.769E+00 | 1.261E+00 | 7.660E-02 | 7.050E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0500 - 0600 | 0.0 | 2.769E+00 | 1.261E+00 | 7.660E-02 | 7.050E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0600 - 0700 | 0.0 | 2.769E+00 | 1.261E+00 | 7.660E-02 | 7.050E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0700 - 0800 | 1.0 | 2.769E+00 | 1.261E+00 | 7.660E-02 | 7.050E-02 | | 3.433E-01 | 1.564E-01 | 9.498E-03 | 8.742E-03 | |
| 0800 - 0900 | 2.0 | 2.769E+00 | 1.261E+00 | 7.660E-02 | 7.050E-02 | | 6.866E-01 | 3.127E-01 | 1.900E-02 | 1.748E-02 | |
| 0900 - 1000 | 0.0 | 2.769E+00 | 1.261E+00 | 7.660E-02 | 7.050E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1000 - 1100 | 0.0 | 2.769E+00 | 1.261E+00 | 7.660E-02 | 7.050E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1100 - 1200 | 0.0 | 2.769E+00 | 1.261E+00 | 7.660E-02 | 7.050E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1200 - 1300 | 0.0 | 2.769E+00 | 1.261E+00 | 7.660E-02 | 7.050E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1300 - 1400 | 0.0 | 2.769E+00 | 1.261E+00 | 7.660E-02 | 7.050E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1400 - 1500 | 0.0 | 2.769E+00 | 1.261E+00 | 7.660E-02 | 7.050E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1500 - 1600 | 0.0 | 2.769E+00 | 1.261E+00 | 7.660E-02 | 7.050E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1600 - 1700 | 0.0 | 2.769E+00 | 1.261E+00 | 7.660E-02 | 7.050E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1700 - 1800 | 0.0 | 2.769E+00 | 1.261E+00 | 7.660E-02 | 7.050E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1800 - 1900 | 0.0 | 2.769E+00 | 1.261E+00 | 7.660E-02 | 7.050E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1900 - 2000 | 0.0 | 2.769E+00 | 1.261E+00 | 7.660E-02 | 7.050E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2000 - 2100 | 0.0 | 2.769E+00 | 1.261E+00 | 7.660E-02 | 7.050E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2100 - 2200 | 0.0 | 2.769E+00 | 1.261E+00 | 7.660E-02 | 7.050E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2200 - 2300 | 0.0 | 2.769E+00 | 1.261E+00 | 7.660E-02 | 7.050E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2300 - 2400 | 0.0 | 2.769E+00 | 1.261E+00 | 7.660E-02 | 7.050E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |

**Total Hourly Emission**

| Hour | Emission Within Parking Site | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Total Emission (g) (Running + Starting) | | | | | Total Emission Rate (g/s) | | | | |
| | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP |
| 0000 - 0100 | 3.963E-01 | 1.936E-01 | 5.394E-03 | 4.960E-03 | | 1.101E-04 | 5.379E-05 | 1.498E-06 | 1.378E-06 | |
| 0100 - 0200 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0200 - 0300 | 1.714E-01 | 8.332E-02 | 5.394E-03 | 4.960E-03 | | 4.760E-05 | 2.314E-05 | 1.498E-06 | 1.378E-06 | |
| 0300 - 0400 | 1.607E-01 | 7.810E-02 | 5.394E-03 | 4.960E-03 | | 4.465E-05 | 2.170E-05 | 1.498E-06 | 1.378E-06 | |
| 0400 - 0500 | 5.234E-01 | 2.482E-01 | 1.533E-02 | 1.409E-02 | | 1.454E-04 | 6.895E-05 | 4.257E-06 | 3.913E-06 | |
| 0500 - 0600 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0600 - 0700 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0700 - 0800 | 5.954E-01 | 2.700E-01 | 9.498E-03 | 8.742E-03 | | 1.654E-04 | 7.500E-05 | 2.638E-06 | 2.428E-06 | |
| 0800 - 0900 | 7.276E-01 | 3.312E-01 | 1.900E-02 | 1.748E-02 | | 2.021E-04 | 9.199E-05 | 5.277E-06 | 4.857E-06 | |
| 0900 - 1000 | 9.152E-01 | 4.396E-01 | 2.072E-02 | 1.905E-02 | | 2.542E-04 | 1.221E-04 | 5.756E-06 | 5.291E-06 | |
| 1000 - 1100 | 3.474E-01 | 1.628E-01 | 9.932E-03 | 9.126E-03 | | 9.650E-05 | 4.521E-05 | 2.759E-06 | 2.535E-06 | |
| 1100 - 1200 | 8.693E-01 | 4.162E-01 | 2.611E-02 | 2.401E-02 | | 2.415E-04 | 1.156E-04 | 7.254E-06 | 6.668E-06 | |
| 1200 - 1300 | 3.474E-01 | 1.628E-01 | 9.932E-03 | 9.126E-03 | | 9.650E-05 | 4.521E-05 | 2.759E-06 | 2.535E-06 | |
| 1300 - 1400 | 8.708E-01 | 4.110E-01 | 2.526E-02 | 2.321E-02 | | 2.419E-04 | 1.142E-04 | 7.016E-06 | 6.448E-06 | |
| 1400 - 1500 | 2.148E+00 | 1.006E+00 | 5.959E-02 | 5.476E-02 | | 5.966E-04 | 2.794E-04 | 1.655E-05 | 1.521E-05 | |
| 1500 - 1600 | 1.790E-01 | 8.705E-02 | 5.394E-03 | 4.960E-03 | | 4.972E-05 | 2.418E-05 | 1.498E-06 | 1.378E-06 | |
| 1600 - 1700 | 3.520E-01 | 1.649E-01 | 9.932E-03 | 9.126E-03 | | 9.779E-05 | 4.580E-05 | 2.759E-06 | 2.535E-06 | |
| 1700 - 1800 | 5.510E-01 | 2.614E-01 | 1.533E-02 | 1.409E-02 | | 1.531E-04 | 7.260E-05 | 4.257E-06 | 3.913E-06 | |
| 1800 - 1900 | 3.598E-01 | 1.685E-01 | 9.932E-03 | 9.126E-03 | | 9.993E-05 | 4.680E-05 | 2.759E-06 | 2.535E-06 | |
| 1900 - 2000 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2000 - 2100 | 3.598E-01 | 1.685E-01 | 9.932E-03 | 9.126E-03 | | 9.993E-05 | 4.680E-05 | 2.759E-06 | 2.535E-06 | |
| 2100 - 2200 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2200 - 2300 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2300 - 2400 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |

## HGV Carpark at Forefront Cyber Centre

**Starting Emission - Heavy Goods Vehicles <=15t**

| | Starting Emission Factor (g/trip) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NO | 8.580E-02 | 1.545E-01 | 2.059E-01 | 2.917E-01 | 3.604E-01 | 4.804E-01 | 7.034E-01 | 8.751E-01 | 1.287E+00 | 1.682E+00 | 1.887E+00 | 2.231E+00 | 2.454E+00 | 2.574E+00 | 2.642E+00 | 2.711E+00 | 2.745E+00 | 2.745E+00 |
| $NO_2$ | 4.210E-02 | 7.570E-02 | 1.010E-01 | 1.431E-01 | 1.767E-01 | 2.357E-01 | 3.451E-01 | 4.292E-01 | 6.312E-01 | 8.248E-01 | 9.258E-01 | 1.094E+00 | 1.204E+00 | 1.263E+00 | 1.296E+00 | 1.330E+00 | 1.347E+00 | 1.347E+00 |
| RSP | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| FSP | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| TSP | | | | | | | | | | | | | | | | | | |

| Hour | No. of Cold Starts | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sitting Time (min) | 5 | 10 | 20 | 30 | 40 | 50 | 60 | 120 | 180 | 240 | 300 | 360 | 420 | 480 | 540 | 600 | 660 | 720 |
| 0000 - 0100 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 0100 - 0200 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 0200 - 0300 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 0300 - 0400 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 0400 - 0500 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 0500 - 0600 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 0600 - 0700 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 0700 - 0800 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 0800 - 0900 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 0900 - 1000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1000 - 1100 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1100 - 1200 | 0.0 | 0.0 | 1.0 | 1.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1200 - 1300 | 0.0 | 1.0 | 0.0 | 1.0 | 0.0 | 0.0 | 1.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1300 - 1400 | 0.0 | 0.0 | 2.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1400 - 1500 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1500 - 1600 | 0.0 | 0.0 | 1.0 | 0.0 | 1.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1600 - 1700 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1700 - 1800 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1800 - 1900 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1900 - 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 - 2100 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2100 - 2200 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2200 - 2300 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2300 - 2400 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| Hour | Total Starting Emission (g) | | | | |
|---|---|---|---|---|---|
| | NO | $NO_2$ | RSP | FSP | TSP |
| 0000 - 0100 | 0 | 0 | 0 | 0 | |
| 0100 - 0200 | 0 | 0 | 0 | 0 | |
| 0200 - 0300 | 0 | 0 | 0 | 0 | |
| 0300 - 0400 | 0 | 0 | 0 | 0 | |
| 0400 - 0500 | 0 | 0 | 0 | 0 | |
| 0500 - 0600 | 0 | 0 | 0 | 0 | |
| 0600 - 0700 | 0 | 0 | 0 | 0 | |
| 0700 - 0800 | 0 | 0 | 0 | 0 | |
| 0800 - 0900 | 0 | 0 | 0 | 0 | |
| 0900 - 1000 | 0 | 0 | 0 | 0 | |
| 1000 - 1100 | 0 | 0 | 0 | 0 | |
| 1100 - 1200 | 1 | 0 | 0 | 0 | |
| 1200 - 1300 | 2 | 1 | 0 | 0 | |
| 1300 - 1400 | 1 | 0 | 0 | 0 | |
| 1400 - 1500 | 0 | 0 | 0 | 0 | |
| 1500 - 1600 | 1 | 1 | 0 | 0 | |
| 1600 - 1700 | 2 | 1 | 0 | 0 | |
| 1700 - 1800 | 0 | 0 | 0 | 0 | |
| 1800 - 1900 | 0 | 0 | 0 | 0 | |
| 1900 - 2000 | 0 | 0 | 0 | 0 | |
| 2000 - 2100 | 0 | 0 | 0 | 0 | |
| 2100 - 2200 | 0 | 0 | 0 | 0 | |
| 2200 - 2300 | 1 | 0 | 0 | 0 | |
| 2300 - 2400 | 0 | 0 | 0 | 0 | |

**Starting Emission - Heavy Goods Vehicles 15-24t**

| | Starting Emission Factor (g/trip) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NO | 8.720E-02 | 1.569E-01 | 2.093E-01 | 2.964E-01 | 3.662E-01 | 4.882E-01 | 7.149E-01 | 8.892E-01 | 1.308E+00 | 1.709E+00 | 1.918E+00 | 2.267E+00 | 2.493E+00 | 2.615E+00 | 2.685E+00 | 2.755E+00 | 2.790E+00 | 2.790E+00 |
| $NO_2$ | 4.040E-02 | 7.270E-02 | 9.690E-02 | 1.373E-01 | 1.696E-01 | 2.262E-01 | 3.312E-01 | 4.120E-01 | 6.059E-01 | 7.917E-01 | 8.886E-01 | 1.050E+00 | 1.155E+00 | 1.212E+00 | 1.244E+00 | 1.276E+00 | 1.293E+00 | 1.293E+00 |
| RSP | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| FSP | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| TSP | | | | | | | | | | | | | | | | | | |

| Hour | No. of Cold Starts | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sitting Time (min) | 5 | 10 | 20 | 30 | 40 | 50 | 60 | 120 | 180 | 240 | 300 | 360 | 420 | 480 | 540 | 600 | 660 | 720 |
| 0000 - 0100 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 0100 - 0200 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 0200 - 0300 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 0300 - 0400 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 0400 - 0500 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 0500 - 0600 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 0600 - 0700 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 0700 - 0800 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 0800 - 0900 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 0900 - 1000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1000 - 1100 | 0.0 | 0.0 | 1.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1100 - 1200 | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1200 - 1300 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1300 - 1400 | 0.0 | 0.0 | 0.0 | 1.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1400 - 1500 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1500 - 1600 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1600 - 1700 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1700 - 1800 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1800 - 1900 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1900 - 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 - 2100 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2100 - 2200 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2200 - 2300 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2300 - 2400 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| Hour | Total Starting Emission (g) | | | | |
|---|---|---|---|---|---|
| | NO | $NO_2$ | RSP | FSP | TSP |
| 0000 - 0100 | 0 | 0 | 0 | 0 | |
| 0100 - 0200 | 0 | 0 | 0 | 0 | |
| 0200 - 0300 | 0 | 0 | 0 | 0 | |
| 0300 - 0400 | 0 | 0 | 0 | 0 | |
| 0400 - 0500 | 0 | 0 | 0 | 0 | |
| 0500 - 0600 | 0 | 0 | 0 | 0 | |
| 0600 - 0700 | 0 | 0 | 0 | 0 | |
| 0700 - 0800 | 0 | 0 | 0 | 0 | |
| 0800 - 0900 | 0 | 0 | 0 | 0 | |
| 0900 - 1000 | 0 | 0 | 0 | 0 | |
| 1000 - 1100 | 1 | 0 | 0 | 0 | |
| 1100 - 1200 | 0 | 0 | 0 | 0 | |
| 1200 - 1300 | 0 | 0 | 0 | 0 | |
| 1300 - 1400 | 1 | 0 | 0 | 0 | |
| 1400 - 1500 | 0 | 0 | 0 | 0 | |
| 1500 - 1600 | 0 | 0 | 0 | 0 | |
| 1600 - 1700 | 0 | 0 | 0 | 0 | |
| 1700 - 1800 | 0 | 0 | 0 | 0 | |
| 1800 - 1900 | 0 | 0 | 0 | 0 | |
| 1900 - 2000 | 0 | 0 | 0 | 0 | |
| 2000 - 2100 | 0 | 0 | 0 | 0 | |
| 2100 - 2200 | 0 | 0 | 0 | 0 | |
| 2200 - 2300 | 0 | 0 | 0 | 0 | |
| 2300 - 2400 | 0 | 0 | 0 | 0 | |

**Starting Emission - Heavy Goods Vehicles >24t**

| | Starting Emission Factor (g/trip) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NO | 8.890E-02 | 1.600E-01 | 2.135E-01 | 3.024E-01 | 3.735E-01 | 4.980E-01 | 7.292E-01 | 9.071E-01 | 1.334E+00 | 1.743E+00 | 1.957E+00 | 2.312E+00 | 2.543E+00 | 2.668E+00 | 2.739E+00 | 2.810E+00 | 2.846E+00 | 2.846E+00 |
| $NO_2$ | 4.010E-02 | 7.220E-02 | 9.620E-02 | 1.363E-01 | 1.684E-01 | 2.245E-01 | 3.288E-01 | 4.090E-01 | 6.014E-01 | 7.858E-01 | 8.821E-01 | 1.042E+00 | 1.147E+00 | 1.203E+00 | 1.235E+00 | 1.267E+00 | 1.283E+00 | 1.283E+00 |
| RSP | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| FSP | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| TSP | | | | | | | | | | | | | | | | | | |

| Hour | No. of Cold Starts | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sitting Time (min) | 5 | 10 | 20 | 30 | 40 | 50 | 60 | 120 | 180 | 240 | 300 | 360 | 420 | 480 | 540 | 600 | 660 | 720 |
| 0000 - 0100 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 0100 - 0200 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 0200 - 0300 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 0300 - 0400 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 0400 - 0500 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 0500 - 0600 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 0600 - 0700 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 0700 - 0800 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 0800 - 0900 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 0900 - 1000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1000 - 1100 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1100 - 1200 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1200 - 1300 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1300 - 1400 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1400 - 1500 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1500 - 1600 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1600 - 1700 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1700 - 1800 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1800 - 1900 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 1900 - 2000 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2000 - 2100 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2100 - 2200 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2200 - 2300 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 2300 - 2400 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

| Hour | Total Starting Emission (g) | | | | |
|---|---|---|---|---|---|
| | NO | $NO_2$ | RSP | FSP | TSP |
| 0000 - 0100 | 0 | 0 | 0 | 0 | |
| 0100 - 0200 | 0 | 0 | 0 | 0 | |
| 0200 - 0300 | 0 | 0 | 0 | 0 | |
| 0300 - 0400 | 0 | 0 | 0 | 0 | |
| 0400 - 0500 | 0 | 0 | 0 | 0 | |
| 0500 - 0600 | 0 | 0 | 0 | 0 | |
| 0600 - 0700 | 0 | 0 | 0 | 0 | |
| 0700 - 0800 | 0 | 0 | 0 | 0 | |
| 0800 - 0900 | 0 | 0 | 0 | 0 | |
| 0900 - 1000 | 1 | 0 | 0 | 0 | |
| 1000 - 1100 | 0 | 0 | 0 | 0 | |
| 1100 - 1200 | 1 | 1 | 0 | 0 | |
| 1200 - 1300 | 0 | 0 | 0 | 0 | |
| 1300 - 1400 | 1 | 0 | 0 | 0 | |
| 1400 - 1500 | 0 | 0 | 0 | 0 | |
| 1500 - 1600 | 0 | 0 | 0 | 0 | |
| 1600 - 1700 | 0 | 0 | 0 | 0 | |
| 1700 - 1800 | 0 | 0 | 0 | 0 | |
| 1800 - 1900 | 0 | 0 | 0 | 0 | |
| 1900 - 2000 | 0 | 0 | 0 | 0 | |
| 2000 - 2100 | 0 | 0 | 0 | 0 | |
| 2100 - 2200 | 0 | 0 | 0 | 0 | |
| 2200 - 2300 | 0 | 0 | 0 | 0 | |
| 2300 - 2400 | 0 | 0 | 0 | 0 | |

Remarks:
[1] Number of cold starts and sitting time were derived based on on-site observations.

| | | |
|---|---|---|
| Average Distance from Starting Place to Parking Site Egress = | 50 | m |
| Average Spread Distance outside Parking Site = | 650 | m |

| Hour | Total Starting Emission (g) | | | | | Starting Emission Outside Parking Site (g) | | | | | Starting Emission Rate Outside Parking Site (g/s) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP |
| 0000 - 0100 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| 0100 - 0200 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| 0200 - 0300 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| 0300 - 0400 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| 0400 - 0500 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| 0500 - 0600 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| 0600 - 0700 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| 0700 - 0800 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| 0800 - 0900 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| 0900 - 1000 | 9.071E-01 | 4.090E-01 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 8.423E-01 | 3.798E-01 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 2.340E-04 | 1.055E-04 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| 1000 - 1100 | 8.661E-01 | 4.109E-01 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 8.042E-01 | 3.816E-01 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 2.234E-04 | 1.060E-04 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| 1100 - 1200 | 2.555E+00 | 1.195E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 2.373E+00 | 1.109E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 6.590E-04 | 3.081E-04 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| 1200 - 1300 | 2.025E+00 | 9.931E-01 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 1.880E+00 | 9.222E-01 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 5.222E-04 | 2.562E-04 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| 1300 - 1400 | 2.342E+00 | 1.095E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 2.175E+00 | 1.016E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 6.041E-04 | 2.823E-04 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| 1400 - 1500 | 1.569E-01 | 7.270E-02 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 1.457E-01 | 6.751E-02 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 4.047E-05 | 1.875E-05 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| 1500 - 1600 | 1.270E+00 | 6.228E-01 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 1.179E+00 | 5.783E-01 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 3.275E-04 | 1.606E-04 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| 1600 - 1700 | 1.544E+00 | 7.575E-01 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 1.434E+00 | 7.034E-01 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 3.983E-04 | 1.954E-04 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| 1700 - 1800 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| 1800 - 1900 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| 1900 - 2000 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| 2000 - 2100 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| 2100 - 2200 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| 2200 - 2300 | 8.751E-01 | 4.292E-01 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 8.126E-01 | 3.985E-01 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 2.257E-04 | 1.107E-04 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| 2300 - 2400 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |



## HGV Carpark at Forefront Cyber Centre

**Running Emission**

| | | |
|---|---|---|
| Average Travelling Distance within Parking Site = | 100 | m |
| Average Travelling Speed = | 8 | km/h |

**Running Emission - Heavy Goods Vehicles <=15t**

| Hour | Frequency | Running Emission Factor (g/km·vehicle) | | | | | Running Emission Within Parking Site (g) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP |
| 0000 - 0100 | 0.0 | 1.235E+00 | 5.998E-01 | 4.350E-02 | 4.000E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0100 - 0200 | 0.0 | 1.235E+00 | 5.998E-01 | 4.350E-02 | 4.000E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0200 - 0300 | 0.0 | 1.235E+00 | 5.998E-01 | 4.350E-02 | 4.000E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0300 - 0400 | 0.0 | 1.235E+00 | 5.998E-01 | 4.350E-02 | 4.000E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0400 - 0500 | 0.0 | 1.235E+00 | 5.998E-01 | 4.350E-02 | 4.000E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0500 - 0600 | 0.0 | 1.235E+00 | 5.998E-01 | 4.350E-02 | 4.000E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0600 - 0700 | 0.0 | 1.235E+00 | 5.998E-01 | 4.350E-02 | 4.000E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0700 - 0800 | 0.0 | 1.235E+00 | 5.998E-01 | 4.350E-02 | 4.000E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0800 - 0900 | 0.0 | 1.235E+00 | 5.998E-01 | 4.350E-02 | 4.000E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0900 - 1000 | 0.0 | 1.235E+00 | 5.998E-01 | 4.350E-02 | 4.000E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1000 - 1100 | 1.0 | 1.235E+00 | 5.998E-01 | 4.350E-02 | 4.000E-02 | | 1.235E-01 | 5.998E-02 | 4.350E-03 | 4.000E-03 | |
| 1100 - 1200 | 3.0 | 1.235E+00 | 5.998E-01 | 4.350E-02 | 4.000E-02 | | 3.705E-01 | 1.799E-01 | 1.305E-02 | 1.200E-02 | |
| 1200 - 1300 | 4.0 | 1.235E+00 | 5.998E-01 | 4.350E-02 | 4.000E-02 | | 4.940E-01 | 2.399E-01 | 1.740E-02 | 1.600E-02 | |
| 1300 - 1400 | 3.0 | 1.235E+00 | 5.998E-01 | 4.350E-02 | 4.000E-02 | | 3.705E-01 | 1.799E-01 | 1.305E-02 | 1.200E-02 | |
| 1400 - 1500 | 0.0 | 1.235E+00 | 5.998E-01 | 4.350E-02 | 4.000E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1500 - 1600 | 3.0 | 1.235E+00 | 5.998E-01 | 4.350E-02 | 4.000E-02 | | 3.705E-01 | 1.799E-01 | 1.305E-02 | 1.200E-02 | |
| 1600 - 1700 | 3.0 | 1.235E+00 | 5.998E-01 | 4.350E-02 | 4.000E-02 | | 3.705E-01 | 1.799E-01 | 1.305E-02 | 1.200E-02 | |
| 1700 - 1800 | 0.0 | 1.235E+00 | 5.998E-01 | 4.350E-02 | 4.000E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1800 - 1900 | 0.0 | 1.235E+00 | 5.998E-01 | 4.350E-02 | 4.000E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1900 - 2000 | 0.0 | 1.235E+00 | 5.998E-01 | 4.350E-02 | 4.000E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2000 - 2100 | 0.0 | 1.235E+00 | 5.998E-01 | 4.350E-02 | 4.000E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2100 - 2200 | 0.0 | 1.235E+00 | 5.998E-01 | 4.350E-02 | 4.000E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2200 - 2300 | 1.0 | 1.235E+00 | 5.998E-01 | 4.350E-02 | 4.000E-02 | | 1.235E-01 | 5.998E-02 | 4.350E-03 | 4.000E-03 | |
| 2300 - 2400 | 0.0 | 1.235E+00 | 5.998E-01 | 4.350E-02 | 4.000E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |

**Running Emission - Heavy Goods Vehicles 15-24t**

| Hour | Frequency | Running Emission Factor (g/km·vehicle) | | | | | Running Emission Within Parking Site (g) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP |
| 0000 - 0100 | 0.0 | 2.690E+00 | 1.261E+00 | 8.010E-02 | 7.360E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0100 - 0200 | 0.0 | 2.690E+00 | 1.261E+00 | 8.010E-02 | 7.360E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0200 - 0300 | 0.0 | 2.690E+00 | 1.261E+00 | 8.010E-02 | 7.360E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0300 - 0400 | 0.0 | 2.690E+00 | 1.261E+00 | 8.010E-02 | 7.360E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0400 - 0500 | 0.0 | 2.690E+00 | 1.261E+00 | 8.010E-02 | 7.360E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0500 - 0600 | 0.0 | 2.690E+00 | 1.261E+00 | 8.010E-02 | 7.360E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0600 - 0700 | 0.0 | 2.690E+00 | 1.261E+00 | 8.010E-02 | 7.360E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0700 - 0800 | 0.0 | 2.690E+00 | 1.261E+00 | 8.010E-02 | 7.360E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0800 - 0900 | 0.0 | 2.690E+00 | 1.261E+00 | 8.010E-02 | 7.360E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0900 - 1000 | 0.0 | 2.690E+00 | 1.261E+00 | 8.010E-02 | 7.360E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1000 - 1100 | 2.0 | 2.690E+00 | 1.261E+00 | 8.010E-02 | 7.360E-02 | | 5.379E-01 | 2.521E-01 | 1.602E-02 | 1.472E-02 | |
| 1100 - 1200 | 1.0 | 2.690E+00 | 1.261E+00 | 8.010E-02 | 7.360E-02 | | 2.690E-01 | 1.261E-01 | 8.010E-03 | 7.360E-03 | |
| 1200 - 1300 | 0.0 | 2.690E+00 | 1.261E+00 | 8.010E-02 | 7.360E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1300 - 1400 | 2.0 | 2.690E+00 | 1.261E+00 | 8.010E-02 | 7.360E-02 | | 5.379E-01 | 2.521E-01 | 1.602E-02 | 1.472E-02 | |
| 1400 - 1500 | 1.0 | 2.690E+00 | 1.261E+00 | 8.010E-02 | 7.360E-02 | | 2.690E-01 | 1.261E-01 | 8.010E-03 | 7.360E-03 | |
| 1500 - 1600 | 0.0 | 2.690E+00 | 1.261E+00 | 8.010E-02 | 7.360E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1600 - 1700 | 0.0 | 2.690E+00 | 1.261E+00 | 8.010E-02 | 7.360E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1700 - 1800 | 0.0 | 2.690E+00 | 1.261E+00 | 8.010E-02 | 7.360E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1800 - 1900 | 0.0 | 2.690E+00 | 1.261E+00 | 8.010E-02 | 7.360E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1900 - 2000 | 0.0 | 2.690E+00 | 1.261E+00 | 8.010E-02 | 7.360E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2000 - 2100 | 0.0 | 2.690E+00 | 1.261E+00 | 8.010E-02 | 7.360E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2100 - 2200 | 0.0 | 2.690E+00 | 1.261E+00 | 8.010E-02 | 7.360E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2200 - 2300 | 0.0 | 2.690E+00 | 1.261E+00 | 8.010E-02 | 7.360E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2300 - 2400 | 0.0 | 2.690E+00 | 1.261E+00 | 8.010E-02 | 7.360E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |

**Running Emission - Heavy Goods Vehicles >24t**

| Hour | Frequency | Running Emission Factor (g/km·vehicle) | | | | | Running Emission Within Parking Site (g) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP |
| 0000 - 0100 | 0.0 | 2.769E+00 | 1.261E+00 | 7.660E-02 | 7.050E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0100 - 0200 | 0.0 | 2.769E+00 | 1.261E+00 | 7.660E-02 | 7.050E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0200 - 0300 | 0.0 | 2.769E+00 | 1.261E+00 | 7.660E-02 | 7.050E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0300 - 0400 | 0.0 | 2.769E+00 | 1.261E+00 | 7.660E-02 | 7.050E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0400 - 0500 | 0.0 | 2.769E+00 | 1.261E+00 | 7.660E-02 | 7.050E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0500 - 0600 | 0.0 | 2.769E+00 | 1.261E+00 | 7.660E-02 | 7.050E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0600 - 0700 | 0.0 | 2.769E+00 | 1.261E+00 | 7.660E-02 | 7.050E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0700 - 0800 | 0.0 | 2.769E+00 | 1.261E+00 | 7.660E-02 | 7.050E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0800 - 0900 | 0.0 | 2.769E+00 | 1.261E+00 | 7.660E-02 | 7.050E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0900 - 1000 | 1.0 | 2.769E+00 | 1.261E+00 | 7.660E-02 | 7.050E-02 | | 2.769E-01 | 1.261E-01 | 7.660E-03 | 7.050E-03 | |
| 1000 - 1100 | 0.0 | 2.769E+00 | 1.261E+00 | 7.660E-02 | 7.050E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1100 - 1200 | 2.0 | 2.769E+00 | 1.261E+00 | 7.660E-02 | 7.050E-02 | | 5.537E-01 | 2.522E-01 | 1.532E-02 | 1.410E-02 | |
| 1200 - 1300 | 0.0 | 2.769E+00 | 1.261E+00 | 7.660E-02 | 7.050E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1300 - 1400 | 1.0 | 2.769E+00 | 1.261E+00 | 7.660E-02 | 7.050E-02 | | 2.769E-01 | 1.261E-01 | 7.660E-03 | 7.050E-03 | |
| 1400 - 1500 | 0.0 | 2.769E+00 | 1.261E+00 | 7.660E-02 | 7.050E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1500 - 1600 | 0.0 | 2.769E+00 | 1.261E+00 | 7.660E-02 | 7.050E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1600 - 1700 | 0.0 | 2.769E+00 | 1.261E+00 | 7.660E-02 | 7.050E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1700 - 1800 | 0.0 | 2.769E+00 | 1.261E+00 | 7.660E-02 | 7.050E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1800 - 1900 | 0.0 | 2.769E+00 | 1.261E+00 | 7.660E-02 | 7.050E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1900 - 2000 | 0.0 | 2.769E+00 | 1.261E+00 | 7.660E-02 | 7.050E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2000 - 2100 | 0.0 | 2.769E+00 | 1.261E+00 | 7.660E-02 | 7.050E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2100 - 2200 | 0.0 | 2.769E+00 | 1.261E+00 | 7.660E-02 | 7.050E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2200 - 2300 | 0.0 | 2.769E+00 | 1.261E+00 | 7.660E-02 | 7.050E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2300 - 2400 | 0.0 | 2.769E+00 | 1.261E+00 | 7.660E-02 | 7.050E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |

**Total Hourly Emission**

| Hour | Emission Within Parking Site | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Total Emission (g) (Running + Starting) | | | | | Total Emission Rate (g/s) | | | | |
| | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP |
| 0000 - 0100 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0100 - 0200 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0200 - 0300 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0300 - 0400 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0400 - 0500 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0500 - 0600 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0600 - 0700 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0700 - 0800 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0800 - 0900 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0900 - 1000 | 3.417E-01 | 1.553E-01 | 7.660E-03 | 7.050E-03 | | 9.491E-05 | 4.314E-05 | 2.128E-06 | 1.958E-06 | |
| 1000 - 1100 | 7.233E-01 | 3.415E-01 | 2.037E-02 | 1.872E-02 | | 2.009E-04 | 9.485E-05 | 5.658E-06 | 5.200E-06 | |
| 1100 - 1200 | 1.376E+00 | 6.435E-01 | 3.638E-02 | 3.346E-02 | | 3.821E-04 | 1.788E-04 | 1.011E-05 | 9.294E-06 | |
| 1200 - 1300 | 6.386E-01 | 3.109E-01 | 1.740E-02 | 1.600E-02 | | 1.774E-04 | 8.635E-05 | 4.833E-06 | 4.444E-06 | |
| 1300 - 1400 | 1.353E+00 | 6.363E-01 | 3.673E-02 | 3.377E-02 | | 3.757E-04 | 1.768E-04 | 1.020E-05 | 9.381E-06 | |
| 1400 - 1500 | 2.802E-01 | 1.313E-01 | 8.010E-03 | 7.360E-03 | | 7.782E-05 | 3.646E-05 | 2.225E-06 | 2.044E-06 | |
| 1500 - 1600 | 4.612E-01 | 2.244E-01 | 1.305E-02 | 1.200E-02 | | 1.281E-04 | 6.234E-05 | 3.625E-06 | 3.333E-06 | |
| 1600 - 1700 | 4.808E-01 | 2.340E-01 | 1.305E-02 | 1.200E-02 | | 1.336E-04 | 6.501E-05 | 3.625E-06 | 3.333E-06 | |
| 1700 - 1800 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1800 - 1900 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1900 - 2000 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2000 - 2100 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2100 - 2200 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2200 - 2300 | 1.860E-01 | 9.064E-02 | 4.350E-03 | 4.000E-03 | | 5.167E-05 | 2.518E-05 | 1.208E-06 | 1.111E-06 | |
| 2300 - 2400 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |

## Hung Fuk Estate Minibus PTI

**Starting Emission**

| | |
|---|---|
| No. of PLB (Diesel) to No. of PLB (LPG) Ratio [2] = | 6.5 |

| | Starting Emission Factor (g/trip) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NO | 4.710E-02 | 8.480E-02 | 1.130E-01 | 1.602E-01 | 1.979E-01 | 2.638E-01 | 3.863E-01 | 4.805E-01 | 7.066E-01 | 9.233E-01 | 1.037E+00 | 1.225E+00 | 1.347E+00 | 1.413E+00 | 1.451E+00 | 1.489E+00 | 1.508E+00 | 1.508E+00 |
| $NO_2$ | 1.830E-02 | 3.300E-02 | 4.400E-02 | 6.230E-02 | 7.690E-02 | 1.026E-01 | 1.502E-01 | 1.869E-01 | 2.748E-01 | 3.591E-01 | 4.030E-01 | 4.763E-01 | 5.240E-01 | 5.496E-01 | 5.643E-01 | 5.789E-01 | 5.863E-01 | 5.863E-01 |
| RSP | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| FSP | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| TSP | | | | | | | | | | | | | | | | | | |

| Hour | No. of Cold Starts of Public Light Bus (Diesel) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sitting Time (min) | 5 | 10 | 20 | 30 | 40 | 50 | 60 | 120 | 180 | 240 | 300 | 360 | 420 | 480 | 540 | 600 | 660 | 720 |
| 0000 - 0100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0100 - 0200 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0200 - 0300 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0300 - 0400 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0400 - 0500 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0500 - 0600 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 |
| 0600 - 0700 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0700 - 0800 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0800 - 0900 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0900 - 1000 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1000 - 1100 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1100 - 1200 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1200 - 1300 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1300 - 1400 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1400 - 1500 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1500 - 1600 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1600 - 1700 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1700 - 1800 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1800 - 1900 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1900 - 2000 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2000 - 2100 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2100 - 2200 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2200 - 2300 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2300 - 2400 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| Total Starting Emission (g) | | | | |
|---|---|---|---|---|
| NO | $NO_2$ | RSP | FSP | TSP |
| 0 | 0 | 0 | 0 | |
| 0 | 0 | 0 | 0 | |
| 0 | 0 | 0 | 0 | |
| 0 | 0 | 0 | 0 | |
| 0 | 0 | 0 | 0 | |
| 7 | 3 | 0 | 0 | |
| 0 | 0 | 0 | 0 | |
| 0 | 0 | 0 | 0 | |
| 0 | 0 | 0 | 0 | |
| 0 | 0 | 0 | 0 | |
| 0 | 0 | 0 | 0 | |
| 0 | 0 | 0 | 0 | |
| 0 | 0 | 0 | 0 | |
| 0 | 0 | 0 | 0 | |
| 0 | 0 | 0 | 0 | |
| 0 | 0 | 0 | 0 | |
| 0 | 0 | 0 | 0 | |
| 0 | 0 | 0 | 0 | |
| 0 | 0 | 0 | 0 | |
| 0 | 0 | 0 | 0 | |
| 0 | 0 | 0 | 0 | |
| 0 | 0 | 0 | 0 | |
| 0 | 0 | 0 | 0 | |
| 0 | 0 | 0 | 0 | |

Remark:
[1] Number of cold starts were derived based on on-site observations at the PTIs and operators' published schedules, while sitting time were obtained based on on-site observations at PTIs.
[2] Population ratio of PLB (Diesel) to PLB (LPG) was extracted from Year 2033 data of EMFAC-HK.

## Hung Fuk Estate Minibus PTI

**Cold Idling Emission**

| | | |
|---|---|---|
| Idling Time for Terminating Public Light Buses = | 9 | min |
| Max. Idling Time for Adjusting Starting Emission = | 1 | min |

| Hour | Public Light Bus (Diesel) | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Frequency | Cold Idling Emission Factor (g/min) | | | | | Cold Idling Emission (g) | | | | | Frequency | Hot Idling Emission Factor (g/min) | | | | | Hot Idling Emission (g) | | | | |
| | | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP | | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP |
| 0000 - 0100 | 0 | 4.321E-02 | 1.680E-02 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 2.160E-02 | 8.399E-03 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0100 - 0200 | 0 | 4.321E-02 | 1.680E-02 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 2.160E-02 | 8.399E-03 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0200 - 0300 | 0 | 4.321E-02 | 1.680E-02 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 2.160E-02 | 8.399E-03 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0300 - 0400 | 0 | 4.321E-02 | 1.680E-02 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 2.160E-02 | 8.399E-03 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0400 - 0500 | 0 | 4.321E-02 | 1.680E-02 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 2.160E-02 | 8.399E-03 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0500 - 0600 | 5 | 4.321E-02 | 1.680E-02 | 4.338E-04 | 4.338E-04 | | 2.024E+00 | 7.869E-01 | 2.032E-02 | 2.032E-02 | | 0 | 2.160E-02 | 8.399E-03 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0600 - 0700 | 0 | 4.321E-02 | 1.680E-02 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 2.160E-02 | 8.399E-03 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0700 - 0800 | 0 | 4.321E-02 | 1.680E-02 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 2 | 2.160E-02 | 8.399E-03 | 4.338E-04 | 4.338E-04 | | 3.372E-01 | 1.311E-01 | 6.774E-03 | 6.774E-03 | |
| 0800 - 0900 | 0 | 4.321E-02 | 1.680E-02 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 1 | 2.160E-02 | 8.399E-03 | 4.338E-04 | 4.338E-04 | | 1.686E-01 | 6.556E-02 | 3.387E-03 | 3.387E-03 | |
| 0900 - 1000 | 0 | 4.321E-02 | 1.680E-02 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 1 | 2.160E-02 | 8.399E-03 | 4.338E-04 | 4.338E-04 | | 1.686E-01 | 6.556E-02 | 3.387E-03 | 3.387E-03 | |
| 1000 - 1100 | 1 | 4.321E-02 | 1.680E-02 | 4.338E-04 | 4.338E-04 | | 3.373E-01 | 1.312E-01 | 3.387E-03 | 3.387E-03 | | 2 | 2.160E-02 | 8.399E-03 | 4.338E-04 | 4.338E-04 | | 3.372E-01 | 1.311E-01 | 6.774E-03 | 6.774E-03 | |
| 1100 - 1200 | 0 | 4.321E-02 | 1.680E-02 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 1 | 2.160E-02 | 8.399E-03 | 4.338E-04 | 4.338E-04 | | 1.686E-01 | 6.556E-02 | 3.387E-03 | 3.387E-03 | |
| 1200 - 1300 | 0 | 4.321E-02 | 1.680E-02 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 2 | 2.160E-02 | 8.399E-03 | 4.338E-04 | 4.338E-04 | | 3.372E-01 | 1.311E-01 | 6.774E-03 | 6.774E-03 | |
| 1300 - 1400 | 0 | 4.321E-02 | 1.680E-02 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 1 | 2.160E-02 | 8.399E-03 | 4.338E-04 | 4.338E-04 | | 1.686E-01 | 6.556E-02 | 3.387E-03 | 3.387E-03 | |
| 1400 - 1500 | 0 | 4.321E-02 | 1.680E-02 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 2 | 2.160E-02 | 8.399E-03 | 4.338E-04 | 4.338E-04 | | 3.372E-01 | 1.311E-01 | 6.774E-03 | 6.774E-03 | |
| 1500 - 1600 | 0 | 4.321E-02 | 1.680E-02 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 1 | 2.160E-02 | 8.399E-03 | 4.338E-04 | 4.338E-04 | | 1.686E-01 | 6.556E-02 | 3.387E-03 | 3.387E-03 | |
| 1600 - 1700 | 0 | 4.321E-02 | 1.680E-02 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 1 | 2.160E-02 | 8.399E-03 | 4.338E-04 | 4.338E-04 | | 1.686E-01 | 6.556E-02 | 3.387E-03 | 3.387E-03 | |
| 1700 - 1800 | 0 | 4.321E-02 | 1.680E-02 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 2.160E-02 | 8.399E-03 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1800 - 1900 | 0 | 4.321E-02 | 1.680E-02 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 2.160E-02 | 8.399E-03 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1900 - 2000 | 0 | 4.321E-02 | 1.680E-02 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 1 | 2.160E-02 | 8.399E-03 | 4.338E-04 | 4.338E-04 | | 1.686E-01 | 6.556E-02 | 3.387E-03 | 3.387E-03 | |
| 2000 - 2100 | 0 | 4.321E-02 | 1.680E-02 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 1 | 2.160E-02 | 8.399E-03 | 4.338E-04 | 4.338E-04 | | 1.686E-01 | 6.556E-02 | 3.387E-03 | 3.387E-03 | |
| 2100 - 2200 | 0 | 4.321E-02 | 1.680E-02 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 2.160E-02 | 8.399E-03 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2200 - 2300 | 0 | 4.321E-02 | 1.680E-02 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 2.160E-02 | 8.399E-03 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2300 - 2400 | 0 | 4.321E-02 | 1.680E-02 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 2.160E-02 | 8.399E-03 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |

| | | |
|---|---|---|
| Average Distance from Starting Place to PTI Egress = | 12.0 | m |
| Average Spread Distance outside PTI = | 688.0 | m |

| Hour | Idling Emission (g) | | | | | Emission for Adjusting Starting Emission (g) | | | | | Adjusted Starting Emission Within PTI (g) | | | | | Adjusted Starting Emission Outside PTI (g) | | | | | Starting Emission Rate Outside PTI (g/s) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP |
| 0000 - 0100 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0100 - 0200 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0200 - 0300 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0300 - 0400 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0400 - 0500 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0500 - 0600 | 2.024E+00 | 7.869E-01 | 2.032E-02 | 2.032E-02 | | 2.249E-01 | 8.743E-02 | 2.258E-03 | 2.258E-03 | | 1.163E-01 | 4.525E-02 | 0.000E+00 | 0.000E+00 | | 6.671E+00 | 2.594E+00 | 0.000E+00 | 0.000E+00 | | 1.853E-03 | 7.207E-04 | 0.000E+00 | 0.000E+00 | |
| 0600 - 0700 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0700 - 0800 | 3.372E-01 | 1.311E-01 | 6.774E-03 | 6.774E-03 | | 3.747E-02 | 1.457E-02 | 7.526E-04 | 7.526E-04 | | 1.879E-03 | 7.316E-04 | 0.000E+00 | 0.000E+00 | | 1.078E-01 | 4.195E-02 | 0.000E+00 | 0.000E+00 | | 2.993E-05 | 1.165E-05 | 0.000E+00 | 0.000E+00 | |
| 0800 - 0900 | 1.686E-01 | 6.556E-02 | 3.387E-03 | 3.387E-03 | | 1.874E-02 | 7.285E-03 | 3.763E-04 | 3.763E-04 | | 1.359E-03 | 5.294E-04 | 0.000E+00 | 0.000E+00 | | 7.792E-02 | 3.035E-02 | 0.000E+00 | 0.000E+00 | | 2.164E-05 | 8.431E-06 | 0.000E+00 | 0.000E+00 | |
| 0900 - 1000 | 1.686E-01 | 6.556E-02 | 3.387E-03 | 3.387E-03 | | 1.874E-02 | 7.285E-03 | 3.763E-04 | 3.763E-04 | | 3.792E-04 | 1.472E-04 | 0.000E+00 | 0.000E+00 | | 2.174E-02 | 8.441E-03 | 0.000E+00 | 0.000E+00 | | 6.039E-06 | 2.345E-06 | 0.000E+00 | 0.000E+00 | |
| 1000 - 1100 | 6.746E-01 | 2.623E-01 | 1.016E-02 | 1.016E-02 | | 7.495E-02 | 2.914E-02 | 1.129E-03 | 1.129E-03 | | 6.421E-03 | 2.497E-03 | 0.000E+00 | 0.000E+00 | | 3.681E-01 | 1.431E-01 | 0.000E+00 | 0.000E+00 | | 1.023E-04 | 3.976E-05 | 0.000E+00 | 0.000E+00 | |
| 1100 - 1200 | 1.686E-01 | 6.556E-02 | 3.387E-03 | 3.387E-03 | | 1.874E-02 | 7.285E-03 | 3.763E-04 | 3.763E-04 | | 1.359E-03 | 5.294E-04 | 0.000E+00 | 0.000E+00 | | 7.792E-02 | 3.035E-02 | 0.000E+00 | 0.000E+00 | | 2.164E-05 | 8.431E-06 | 0.000E+00 | 0.000E+00 | |
| 1200 - 1300 | 3.372E-01 | 1.311E-01 | 6.774E-03 | 6.774E-03 | | 3.747E-02 | 1.457E-02 | 7.526E-04 | 7.526E-04 | | 4.960E-03 | 1.930E-03 | 0.000E+00 | 0.000E+00 | | 2.844E-01 | 1.107E-01 | 0.000E+00 | 0.000E+00 | | 7.900E-05 | 3.074E-05 | 0.000E+00 | 0.000E+00 | |
| 1300 - 1400 | 1.686E-01 | 6.556E-02 | 3.387E-03 | 3.387E-03 | | 1.874E-02 | 7.285E-03 | 3.763E-04 | 3.763E-04 | | 1.359E-03 | 5.294E-04 | 0.000E+00 | 0.000E+00 | | 7.792E-02 | 3.035E-02 | 0.000E+00 | 0.000E+00 | | 2.164E-05 | 8.431E-06 | 0.000E+00 | 0.000E+00 | |
| 1400 - 1500 | 3.372E-01 | 1.311E-01 | 6.774E-03 | 6.774E-03 | | 3.747E-02 | 1.457E-02 | 7.526E-04 | 7.526E-04 | | 3.001E-03 | 1.167E-03 | 0.000E+00 | 0.000E+00 | | 1.720E-01 | 6.693E-02 | 0.000E+00 | 0.000E+00 | | 4.779E-05 | 1.859E-05 | 0.000E+00 | 0.000E+00 | |
| 1500 - 1600 | 1.686E-01 | 6.556E-02 | 3.387E-03 | 3.387E-03 | | 1.874E-02 | 7.285E-03 | 3.763E-04 | 3.763E-04 | | 2.061E-03 | 8.015E-04 | 0.000E+00 | 0.000E+00 | | 1.182E-01 | 4.595E-02 | 0.000E+00 | 0.000E+00 | | 3.282E-05 | 1.276E-05 | 0.000E+00 | 0.000E+00 | |
| 1600 - 1700 | 1.686E-01 | 6.556E-02 | 3.387E-03 | 3.387E-03 | | 1.874E-02 | 7.285E-03 | 3.763E-04 | 3.763E-04 | | 9.397E-04 | 3.658E-04 | 0.000E+00 | 0.000E+00 | | 5.388E-02 | 2.097E-02 | 0.000E+00 | 0.000E+00 | | 1.497E-05 | 5.826E-06 | 0.000E+00 | 0.000E+00 | |
| 1700 - 1800 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1800 - 1900 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1900 - 2000 | 1.686E-01 | 6.556E-02 | 3.387E-03 | 3.387E-03 | | 1.874E-02 | 7.285E-03 | 3.763E-04 | 3.763E-04 | | 1.359E-03 | 5.294E-04 | 0.000E+00 | 0.000E+00 | | 7.792E-02 | 3.035E-02 | 0.000E+00 | 0.000E+00 | | 2.164E-05 | 8.431E-06 | 0.000E+00 | 0.000E+00 | |
| 2000 - 2100 | 1.686E-01 | 6.556E-02 | 3.387E-03 | 3.387E-03 | | 1.874E-02 | 7.285E-03 | 3.763E-04 | 3.763E-04 | | 1.359E-03 | 5.294E-04 | 0.000E+00 | 0.000E+00 | | 7.792E-02 | 3.035E-02 | 0.000E+00 | 0.000E+00 | | 2.164E-05 | 8.431E-06 | 0.000E+00 | 0.000E+00 | |
| 2100 - 2200 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2200 - 2300 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2300 - 2400 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |

Appendix 3.9 Emission Inventory for Emissions Associated with Bus and Minibus Termini, and Heavy Goods Vehicles and Coach Parking Sites

## Hung Fuk Estate Minibus PTI

**Starting Emission**

| | |
|---|---|
| No. of PLB (Diesel) to No. of PLB (LPG) Ratio [2] = | 6.5 |

| | Starting Emission Factor (g/trip) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NO | 1.870E+00 | 2.817E+00 | 4.481E+00 | 5.837E+00 | 6.885E+00 | 7.625E+00 | 8.057E+00 | 8.296E+00 | 8.266E+00 | 8.219E+00 | 8.157E+00 | 8.078E+00 | 7.983E+00 | 7.872E+00 | 7.745E+00 | 7.602E+00 | 7.443E+00 | 7.267E+00 |
| $NO_2$ | 9.400E-03 | 1.420E-02 | 2.250E-02 | 2.930E-02 | 3.460E-02 | 3.830E-02 | 4.050E-02 | 4.170E-02 | 4.150E-02 | 4.130E-02 | 4.100E-02 | 4.060E-02 | 4.010E-02 | 3.960E-02 | 3.890E-02 | 3.820E-02 | 3.740E-02 | 3.650E-02 |
| RSP | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| FSP | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| TSP | | | | | | | | | | | | | | | | | | |

| Hour | No. of Cold Starts of Public Light Bus (LPG) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sitting Time (min) | 5 | 10 | 20 | 30 | 40 | 50 | 60 | 120 | 180 | 240 | 300 | 360 | 420 | 480 | 540 | 600 | 660 | 720 |
| 0000 - 0100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0100 - 0200 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0200 - 0300 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0300 - 0400 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0400 - 0500 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0500 - 0600 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 0600 - 0700 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0700 - 0800 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0800 - 0900 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0900 - 1000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1000 - 1100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1100 - 1200 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1200 - 1300 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1300 - 1400 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1400 - 1500 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1500 - 1600 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1600 - 1700 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1700 - 1800 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1800 - 1900 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1900 - 2000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2000 - 2100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2100 - 2200 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2200 - 2300 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2300 - 2400 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| Total Starting Emission (g) | | | | |
|---|---|---|---|---|
| NO | $NO_2$ | RSP | FSP | TSP |
| 0 | 0 | 0 | 0 | |
| 0 | 0 | 0 | 0 | |
| 0 | 0 | 0 | 0 | |
| 0 | 0 | 0 | 0 | |
| 0 | 0 | 0 | 0 | |
| 6 | 0 | 0 | 0 | |
| 0 | 0 | 0 | 0 | |
| 1 | 0 | 0 | 0 | |
| 1 | 0 | 0 | 0 | |
| 0 | 0 | 0 | 0 | |
| 2 | 0 | 0 | 0 | |
| 1 | 0 | 0 | 0 | |
| 2 | 0 | 0 | 0 | |
| 1 | 0 | 0 | 0 | |
| 1 | 0 | 0 | 0 | |
| 1 | 0 | 0 | 0 | |
| 0 | 0 | 0 | 0 | |
| 0 | 0 | 0 | 0 | |
| 0 | 0 | 0 | 0 | |
| 1 | 0 | 0 | 0 | |
| 1 | 0 | 0 | 0 | |
| 0 | 0 | 0 | 0 | |
| 0 | 0 | 0 | 0 | |
| 0 | 0 | 0 | 0 | |

Remark:
[1] Number of cold starts were derived based on on-site observations at the PTIs and operators' published schedules, while sitting time were obtained based on on-site observations at PTIs.
[2] Population ratio of PLB (Diesel) to PLB (LPG) was extracted from Year 2033 data of EMFAC-HK.

## Hung Fuk Estate Minibus PTI

**Cold Idling Emission**

| | | |
|---|---|---|
| Idling Time for Terminating Public Light Buses = | 9 | min |
| Max. Idling Time for Adjusting Starting Emission = | 1 | min |

| Hour | Public Light Bus (LPG) | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Frequency | Cold Idling Emission Factor (g/min) | | | | | Cold Idling Emission (g) | | | | | Frequency | Hot Idling Emission Factor (g/min) | | | | | Hot Idling Emission (g) | | | | |
| | | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP | | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP |
| 0000 - 0100 | 0 | 2.367E-01 | 1.195E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.077E-01 | 1.554E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0100 - 0200 | 0 | 2.367E-01 | 1.195E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.077E-01 | 1.554E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0200 - 0300 | 0 | 2.367E-01 | 1.195E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.077E-01 | 1.554E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0300 - 0400 | 0 | 2.367E-01 | 1.195E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.077E-01 | 1.554E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0400 - 0500 | 0 | 2.367E-01 | 1.195E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.077E-01 | 1.554E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0500 - 0600 | 1 | 2.367E-01 | 1.195E-03 | 4.919E-04 | 4.919E-04 | | 1.695E+00 | 8.558E-03 | 3.522E-03 | 3.522E-03 | | 0 | 3.077E-01 | 1.554E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0600 - 0700 | 0 | 2.367E-01 | 1.195E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.077E-01 | 1.554E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0700 - 0800 | 0 | 2.367E-01 | 1.195E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.077E-01 | 1.554E-03 | 4.919E-04 | 4.919E-04 | | 7.344E-01 | 3.709E-03 | 1.174E-03 | 1.174E-03 | |
| 0800 - 0900 | 0 | 2.367E-01 | 1.195E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.077E-01 | 1.554E-03 | 4.919E-04 | 4.919E-04 | | 3.672E-01 | 1.854E-03 | 5.871E-04 | 5.871E-04 | |
| 0900 - 1000 | 0 | 2.367E-01 | 1.195E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.077E-01 | 1.554E-03 | 4.919E-04 | 4.919E-04 | | 3.672E-01 | 1.854E-03 | 5.871E-04 | 5.871E-04 | |
| 1000 - 1100 | 0 | 2.367E-01 | 1.195E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.077E-01 | 1.554E-03 | 4.919E-04 | 4.919E-04 | | 1.102E+00 | 5.563E-03 | 1.761E-03 | 1.761E-03 | |
| 1100 - 1200 | 0 | 2.367E-01 | 1.195E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.077E-01 | 1.554E-03 | 4.919E-04 | 4.919E-04 | | 3.672E-01 | 1.854E-03 | 5.871E-04 | 5.871E-04 | |
| 1200 - 1300 | 0 | 2.367E-01 | 1.195E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.077E-01 | 1.554E-03 | 4.919E-04 | 4.919E-04 | | 7.344E-01 | 3.709E-03 | 1.174E-03 | 1.174E-03 | |
| 1300 - 1400 | 0 | 2.367E-01 | 1.195E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.077E-01 | 1.554E-03 | 4.919E-04 | 4.919E-04 | | 3.672E-01 | 1.854E-03 | 5.871E-04 | 5.871E-04 | |
| 1400 - 1500 | 0 | 2.367E-01 | 1.195E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.077E-01 | 1.554E-03 | 4.919E-04 | 4.919E-04 | | 7.344E-01 | 3.709E-03 | 1.174E-03 | 1.174E-03 | |
| 1500 - 1600 | 0 | 2.367E-01 | 1.195E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.077E-01 | 1.554E-03 | 4.919E-04 | 4.919E-04 | | 3.672E-01 | 1.854E-03 | 5.871E-04 | 5.871E-04 | |
| 1600 - 1700 | 0 | 2.367E-01 | 1.195E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.077E-01 | 1.554E-03 | 4.919E-04 | 4.919E-04 | | 3.672E-01 | 1.854E-03 | 5.871E-04 | 5.871E-04 | |
| 1700 - 1800 | 0 | 2.367E-01 | 1.195E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.077E-01 | 1.554E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1800 - 1900 | 0 | 2.367E-01 | 1.195E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.077E-01 | 1.554E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1900 - 2000 | 0 | 2.367E-01 | 1.195E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.077E-01 | 1.554E-03 | 4.919E-04 | 4.919E-04 | | 3.672E-01 | 1.854E-03 | 5.871E-04 | 5.871E-04 | |
| 2000 - 2100 | 0 | 2.367E-01 | 1.195E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.077E-01 | 1.554E-03 | 4.919E-04 | 4.919E-04 | | 3.672E-01 | 1.854E-03 | 5.871E-04 | 5.871E-04 | |
| 2100 - 2200 | 0 | 2.367E-01 | 1.195E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.077E-01 | 1.554E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2200 - 2300 | 0 | 2.367E-01 | 1.195E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.077E-01 | 1.554E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2300 - 2400 | 0 | 2.367E-01 | 1.195E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.077E-01 | 1.554E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |

| | | |
|---|---|---|
| Average Distance from Starting Place to PTI Egress = | 12.0 | m |
| Average Spread Distance outside PTI = | 138.0 | m |

| Hour | Idling Emission (g) | | | | | Emission for Adjusting Starting Emission (g) | | | | | Adjusted Starting Emission Within PTI (g) | | | | | Adjusted Starting Emission Outside PTI (g) | | | | | Starting Emission Rate Outside PTI (g/s) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP |
| 0000 - 0100 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0100 - 0200 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0200 - 0300 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0300 - 0400 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0400 - 0500 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0500 - 0600 | 1.695E+00 | 8.558E-03 | 3.522E-03 | 3.522E-03 | | 1.883E-01 | 9.509E-04 | 3.914E-04 | 3.914E-04 | | 4.931E-01 | 2.476E-03 | 0.000E+00 | 0.000E+00 | | 5.670E+00 | 2.848E-02 | 0.000E+00 | 0.000E+00 | | 1.575E-03 | 7.911E-06 | 0.000E+00 | 0.000E+00 | |
| 0600 - 0700 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0700 - 0800 | 7.344E-01 | 3.709E-03 | 1.174E-03 | 1.174E-03 | | 8.160E-02 | 4.121E-04 | 1.305E-04 | 1.305E-04 | | 5.325E-02 | 2.683E-04 | 0.000E+00 | 0.000E+00 | | 6.124E-01 | 3.086E-03 | 0.000E+00 | 0.000E+00 | | 1.701E-04 | 8.572E-07 | 0.000E+00 | 0.000E+00 | |
| 0800 - 0900 | 3.672E-01 | 1.854E-03 | 5.871E-04 | 5.871E-04 | | 4.080E-02 | 2.060E-04 | 6.523E-05 | 6.523E-05 | | 4.428E-02 | 2.222E-04 | 0.000E+00 | 0.000E+00 | | 5.092E-01 | 2.556E-03 | 0.000E+00 | 0.000E+00 | | 1.414E-04 | 7.099E-07 | 0.000E+00 | 0.000E+00 | |
| 0900 - 1000 | 3.672E-01 | 1.854E-03 | 5.871E-04 | 5.871E-04 | | 4.080E-02 | 2.060E-04 | 6.523E-05 | 6.523E-05 | | 1.657E-02 | 8.324E-05 | 0.000E+00 | 0.000E+00 | | 1.906E-01 | 9.573E-04 | 0.000E+00 | 0.000E+00 | | 5.294E-05 | 2.659E-07 | 0.000E+00 | 0.000E+00 | |
| 1000 - 1100 | 1.102E+00 | 5.563E-03 | 1.761E-03 | 1.761E-03 | | 1.224E-01 | 6.181E-04 | 1.957E-04 | 1.957E-04 | | 1.254E-01 | 6.306E-04 | 0.000E+00 | 0.000E+00 | | 1.442E+00 | 7.252E-03 | 0.000E+00 | 0.000E+00 | | 4.006E-04 | 2.014E-06 | 0.000E+00 | 0.000E+00 | |
| 1100 - 1200 | 3.672E-01 | 1.854E-03 | 5.871E-04 | 5.871E-04 | | 4.080E-02 | 2.060E-04 | 6.523E-05 | 6.523E-05 | | 4.428E-02 | 2.222E-04 | 0.000E+00 | 0.000E+00 | | 5.092E-01 | 2.556E-03 | 0.000E+00 | 0.000E+00 | | 1.414E-04 | 7.099E-07 | 0.000E+00 | 0.000E+00 | |
| 1200 - 1300 | 7.344E-01 | 3.709E-03 | 1.174E-03 | 1.174E-03 | | 8.160E-02 | 4.121E-04 | 1.305E-04 | 1.305E-04 | | 1.219E-01 | 6.121E-04 | 0.000E+00 | 0.000E+00 | | 1.402E+00 | 7.039E-03 | 0.000E+00 | 0.000E+00 | | 3.894E-04 | 1.955E-06 | 0.000E+00 | 0.000E+00 | |
| 1300 - 1400 | 3.672E-01 | 1.854E-03 | 5.871E-04 | 5.871E-04 | | 4.080E-02 | 2.060E-04 | 6.523E-05 | 6.523E-05 | | 4.428E-02 | 2.222E-04 | 0.000E+00 | 0.000E+00 | | 5.092E-01 | 2.556E-03 | 0.000E+00 | 0.000E+00 | | 1.414E-04 | 7.099E-07 | 0.000E+00 | 0.000E+00 | |
| 1400 - 1500 | 7.344E-01 | 3.709E-03 | 1.174E-03 | 1.174E-03 | | 8.160E-02 | 4.121E-04 | 1.305E-04 | 1.305E-04 | | 8.529E-02 | 4.285E-04 | 0.000E+00 | 0.000E+00 | | 9.808E-01 | 4.928E-03 | 0.000E+00 | 0.000E+00 | | 2.725E-04 | 1.369E-06 | 0.000E+00 | 0.000E+00 | |
| 1500 - 1600 | 3.672E-01 | 1.854E-03 | 5.871E-04 | 5.871E-04 | | 4.080E-02 | 2.060E-04 | 6.523E-05 | 6.523E-05 | | 5.866E-02 | 2.944E-04 | 0.000E+00 | 0.000E+00 | | 6.746E-01 | 3.385E-03 | 0.000E+00 | 0.000E+00 | | 1.874E-04 | 9.403E-07 | 0.000E+00 | 0.000E+00 | |
| 1600 - 1700 | 3.672E-01 | 1.854E-03 | 5.871E-04 | 5.871E-04 | | 4.080E-02 | 2.060E-04 | 6.523E-05 | 6.523E-05 | | 2.663E-02 | 1.342E-04 | 0.000E+00 | 0.000E+00 | | 3.062E-01 | 1.543E-03 | 0.000E+00 | 0.000E+00 | | 8.505E-05 | 4.286E-07 | 0.000E+00 | 0.000E+00 | |
| 1700 - 1800 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1800 - 1900 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1900 - 2000 | 3.672E-01 | 1.854E-03 | 5.871E-04 | 5.871E-04 | | 4.080E-02 | 2.060E-04 | 6.523E-05 | 6.523E-05 | | 4.428E-02 | 2.222E-04 | 0.000E+00 | 0.000E+00 | | 5.092E-01 | 2.556E-03 | 0.000E+00 | 0.000E+00 | | 1.414E-04 | 7.099E-07 | 0.000E+00 | 0.000E+00 | |
| 2000 - 2100 | 3.672E-01 | 1.854E-03 | 5.871E-04 | 5.871E-04 | | 4.080E-02 | 2.060E-04 | 6.523E-05 | 6.523E-05 | | 4.428E-02 | 2.222E-04 | 0.000E+00 | 0.000E+00 | | 5.092E-01 | 2.556E-03 | 0.000E+00 | 0.000E+00 | | 1.414E-04 | 7.099E-07 | 0.000E+00 | 0.000E+00 | |
| 2100 - 2200 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2200 - 2300 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2300 - 2400 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |

## Hung Fuk Estate Minibus PTI

**Running Emission**

| | | |
|---|---|---|
| Average Travelling Distance within PTI = | 37 | m |
| Average Travelling Speed = | 15 | km/h |

| Hour | Frequency | Public Light Bus (Diesel + LPG) Running Emission Factor (g/km·vehicle) NO | $NO_2$ | RSP | FSP | TSP | Running Emission Within PTI (g) NO | $NO_2$ | RSP | FSP | TSP |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0000 - 0100 | 0 | 6.674E-01 | 1.618E-01 | 4.290E-02 | 3.940E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0100 - 0200 | 0 | 6.674E-01 | 1.618E-01 | 4.290E-02 | 3.940E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0200 - 0300 | 0 | 6.674E-01 | 1.618E-01 | 4.290E-02 | 3.940E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0300 - 0400 | 0 | 6.674E-01 | 1.618E-01 | 4.290E-02 | 3.940E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0400 - 0500 | 0 | 6.674E-01 | 1.618E-01 | 4.290E-02 | 3.940E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0500 - 0600 | 6 | 6.674E-01 | 1.618E-01 | 4.290E-02 | 3.940E-02 | | 1.482E-01 | 3.592E-02 | 9.524E-03 | 8.747E-03 | |
| 0600 - 0700 | 0 | 6.674E-01 | 1.618E-01 | 4.290E-02 | 3.940E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0700 - 0800 | 2 | 6.674E-01 | 1.618E-01 | 4.290E-02 | 3.940E-02 | | 4.939E-02 | 1.197E-02 | 3.175E-03 | 2.916E-03 | |
| 0800 - 0900 | 1 | 6.674E-01 | 1.618E-01 | 4.290E-02 | 3.940E-02 | | 2.469E-02 | 5.987E-03 | 1.587E-03 | 1.458E-03 | |
| 0900 - 1000 | 1 | 6.674E-01 | 1.618E-01 | 4.290E-02 | 3.940E-02 | | 2.469E-02 | 5.987E-03 | 1.587E-03 | 1.458E-03 | |
| 1000 - 1100 | 3 | 6.674E-01 | 1.618E-01 | 4.290E-02 | 3.940E-02 | | 7.408E-02 | 1.796E-02 | 4.762E-03 | 4.373E-03 | |
| 1100 - 1200 | 1 | 6.674E-01 | 1.618E-01 | 4.290E-02 | 3.940E-02 | | 2.469E-02 | 5.987E-03 | 1.587E-03 | 1.458E-03 | |
| 1200 - 1300 | 2 | 6.674E-01 | 1.618E-01 | 4.290E-02 | 3.940E-02 | | 4.939E-02 | 1.197E-02 | 3.175E-03 | 2.916E-03 | |
| 1300 - 1400 | 1 | 6.674E-01 | 1.618E-01 | 4.290E-02 | 3.940E-02 | | 2.469E-02 | 5.987E-03 | 1.587E-03 | 1.458E-03 | |
| 1400 - 1500 | 2 | 6.674E-01 | 1.618E-01 | 4.290E-02 | 3.940E-02 | | 4.939E-02 | 1.197E-02 | 3.175E-03 | 2.916E-03 | |
| 1500 - 1600 | 1 | 6.674E-01 | 1.618E-01 | 4.290E-02 | 3.940E-02 | | 2.469E-02 | 5.987E-03 | 1.587E-03 | 1.458E-03 | |
| 1600 - 1700 | 1 | 6.674E-01 | 1.618E-01 | 4.290E-02 | 3.940E-02 | | 2.469E-02 | 5.987E-03 | 1.587E-03 | 1.458E-03 | |
| 1700 - 1800 | 0 | 6.674E-01 | 1.618E-01 | 4.290E-02 | 3.940E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1800 - 1900 | 0 | 6.674E-01 | 1.618E-01 | 4.290E-02 | 3.940E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1900 - 2000 | 1 | 6.674E-01 | 1.618E-01 | 4.290E-02 | 3.940E-02 | | 2.469E-02 | 5.987E-03 | 1.587E-03 | 1.458E-03 | |
| 2000 - 2100 | 1 | 6.674E-01 | 1.618E-01 | 4.290E-02 | 3.940E-02 | | 2.469E-02 | 5.987E-03 | 1.587E-03 | 1.458E-03 | |
| 2100 - 2200 | 0 | 6.674E-01 | 1.618E-01 | 4.290E-02 | 3.940E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2200 - 2300 | 0 | 6.674E-01 | 1.618E-01 | 4.290E-02 | 3.940E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2300 - 2400 | 0 | 6.674E-01 | 1.618E-01 | 4.290E-02 | 3.940E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |

**Idling Emission**

| | | |
|---|---|---|
| No. of PLB (Diesel) to No. of PLB (LPG) Ratio [1] = | 6.5 | |
| Idling Time for Non-terminating Public Light Buses = | 2 | min |

| Hour | Public Light Bus (Diesel) Frequency | Hot Idling Emission Factor (g/min) NO | $NO_2$ | RSP | FSP | TSP | Hot Idling Emission (g) NO | $NO_2$ | RSP | FSP | TSP | Public Light Bus (LPG) Frequency | Hot Idling Emission Factor (g/min) NO | $NO_2$ | RSP | FSP | TSP | Hot Idling Emission (g) NO | $NO_2$ | RSP | FSP | TSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0000 - 0100 | 0 | 2.160E-02 | 8.399E-03 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.077E-01 | 1.554E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0100 - 0200 | 0 | 2.160E-02 | 8.399E-03 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.077E-01 | 1.554E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0200 - 0300 | 0 | 2.160E-02 | 8.399E-03 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.077E-01 | 1.554E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0300 - 0400 | 0 | 2.160E-02 | 8.399E-03 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.077E-01 | 1.554E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0400 - 0500 | 0 | 2.160E-02 | 8.399E-03 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.077E-01 | 1.554E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0500 - 0600 | 0 | 2.160E-02 | 8.399E-03 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.077E-01 | 1.554E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0600 - 0700 | 0 | 2.160E-02 | 8.399E-03 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.077E-01 | 1.554E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0700 - 0800 | 0 | 2.160E-02 | 8.399E-03 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.077E-01 | 1.554E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0800 - 0900 | 0 | 2.160E-02 | 8.399E-03 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.077E-01 | 1.554E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0900 - 1000 | 0 | 2.160E-02 | 8.399E-03 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.077E-01 | 1.554E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1000 - 1100 | 0 | 2.160E-02 | 8.399E-03 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.077E-01 | 1.554E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1100 - 1200 | 0 | 2.160E-02 | 8.399E-03 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.077E-01 | 1.554E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1200 - 1300 | 0 | 2.160E-02 | 8.399E-03 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.077E-01 | 1.554E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1300 - 1400 | 0 | 2.160E-02 | 8.399E-03 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.077E-01 | 1.554E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1400 - 1500 | 0 | 2.160E-02 | 8.399E-03 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.077E-01 | 1.554E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1500 - 1600 | 0 | 2.160E-02 | 8.399E-03 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.077E-01 | 1.554E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1600 - 1700 | 0 | 2.160E-02 | 8.399E-03 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.077E-01 | 1.554E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1700 - 1800 | 0 | 2.160E-02 | 8.399E-03 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.077E-01 | 1.554E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1800 - 1900 | 0 | 2.160E-02 | 8.399E-03 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.077E-01 | 1.554E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1900 - 2000 | 0 | 2.160E-02 | 8.399E-03 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.077E-01 | 1.554E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2000 - 2100 | 0 | 2.160E-02 | 8.399E-03 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.077E-01 | 1.554E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2100 - 2200 | 0 | 2.160E-02 | 8.399E-03 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.077E-01 | 1.554E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2200 - 2300 | 0 | 2.160E-02 | 8.399E-03 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.077E-01 | 1.554E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2300 - 2400 | 0 | 2.160E-02 | 8.399E-03 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.077E-01 | 1.554E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |

Remark:
[1] Population ratio of PLB (Diesel) to PLB (LPG) was extracted from Year 2033 data of EMFAC-HK.

## Hung Fuk Estate Minibus PTI

**Total Hourly Emission**

| Hour | Emission Within PTI: Total Emission (g) (Running + Idling + Starting) NO | $NO_2$ | RSP | FSP | TSP | Total Emission Rate (g/s) NO | $NO_2$ | RSP | FSP | TSP |
|---|---|---|---|---|---|---|---|---|---|---|
| 0000 - 0100 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0100 - 0200 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0200 - 0300 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0300 - 0400 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0400 - 0500 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0500 - 0600 | 4.476E+00 | 8.791E-01 | 3.337E-02 | 3.259E-02 | | 1.243E-03 | 2.442E-04 | 9.269E-06 | 9.053E-06 | |
| 0600 - 0700 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0700 - 0800 | 1.176E+00 | 1.478E-01 | 1.112E-02 | 1.086E-02 | | 3.267E-04 | 4.106E-05 | 3.090E-06 | 3.018E-06 | |
| 0800 - 0900 | 6.061E-01 | 7.416E-02 | 5.561E-03 | 5.432E-03 | | 1.684E-04 | 2.060E-05 | 1.545E-06 | 1.509E-06 | |
| 0900 - 1000 | 5.775E-01 | 7.364E-02 | 5.561E-03 | 5.432E-03 | | 1.604E-04 | 2.045E-05 | 1.545E-06 | 1.509E-06 | |
| 1000 - 1100 | 1.982E+00 | 2.889E-01 | 1.668E-02 | 1.630E-02 | | 5.506E-04 | 8.026E-05 | 4.634E-06 | 4.526E-06 | |
| 1100 - 1200 | 6.061E-01 | 7.416E-02 | 5.561E-03 | 5.432E-03 | | 1.684E-04 | 2.060E-05 | 1.545E-06 | 1.509E-06 | |
| 1200 - 1300 | 1.248E+00 | 1.494E-01 | 1.112E-02 | 1.086E-02 | | 3.466E-04 | 4.149E-05 | 3.090E-06 | 3.018E-06 | |
| 1300 - 1400 | 6.061E-01 | 7.416E-02 | 5.561E-03 | 5.432E-03 | | 1.684E-04 | 2.060E-05 | 1.545E-06 | 1.509E-06 | |
| 1400 - 1500 | 1.209E+00 | 1.484E-01 | 1.112E-02 | 1.086E-02 | | 3.359E-04 | 4.122E-05 | 3.090E-06 | 3.018E-06 | |
| 1500 - 1600 | 6.212E-01 | 7.450E-02 | 5.561E-03 | 5.432E-03 | | 1.726E-04 | 2.069E-05 | 1.545E-06 | 1.509E-06 | |
| 1600 - 1700 | 5.881E-01 | 7.390E-02 | 5.561E-03 | 5.432E-03 | | 1.634E-04 | 2.053E-05 | 1.545E-06 | 1.509E-06 | |
| 1700 - 1800 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1800 - 1900 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1900 - 2000 | 6.061E-01 | 7.416E-02 | 5.561E-03 | 5.432E-03 | | 1.684E-04 | 2.060E-05 | 1.545E-06 | 1.509E-06 | |
| 2000 - 2100 | 6.061E-01 | 7.416E-02 | 5.561E-03 | 5.432E-03 | | 1.684E-04 | 2.060E-05 | 1.545E-06 | 1.509E-06 | |
| 2100 - 2200 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2200 - 2300 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2300 - 2400 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |

Appendix 3.9 Emission Inventory for Emissions Associated with Bus and Minibus Termini, and Heavy Goods Vehicles and Coach Parking Sites

## Tan Kwai Tsuen Minibus PTI

**Starting Emission**

| | |
|---|---|
| No. of PLB (Diesel) to No. of PLB (LPG) Ratio [2] = | 6.5 |

| Starting Emission Factor (g/trip) | 5 | 10 | 20 | 30 | 40 | 50 | 60 | 120 | 180 | 240 | 300 | 360 | 420 | 480 | 540 | 600 | 660 | 720 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NO | 4.710E-02 | 8.480E-02 | 1.130E-01 | 1.602E-01 | 1.979E-01 | 2.638E-01 | 3.863E-01 | 4.805E-01 | 7.066E-01 | 9.233E-01 | 1.037E+00 | 1.225E+00 | 1.347E+00 | 1.413E+00 | 1.451E+00 | 1.489E+00 | 1.508E+00 | 1.508E+00 |
| $NO_2$ | 1.830E-02 | 3.300E-02 | 4.400E-02 | 6.230E-02 | 7.690E-02 | 1.026E-01 | 1.502E-01 | 1.869E-01 | 2.748E-01 | 3.591E-01 | 4.030E-01 | 4.763E-01 | 5.240E-01 | 5.496E-01 | 5.643E-01 | 5.789E-01 | 5.863E-01 | 5.863E-01 |
| RSP | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| FSP | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| TSP | | | | | | | | | | | | | | | | | | |

| Hour / Sitting Time (min) | No. of Cold Starts of Public Light Bus (Diesel) 5 | 10 | 20 | 30 | 40 | 50 | 60 | 120 | 180 | 240 | 300 | 360 | 420 | 480 | 540 | 600 | 660 | 720 | Total Starting Emission (g) NO | $NO_2$ | RSP | FSP | TSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0000 - 0100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 0100 - 0200 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 0200 - 0300 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 0300 - 0400 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 0400 - 0500 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 0500 - 0600 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 0600 - 0700 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 0700 - 0800 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 0800 - 0900 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 0900 - 1000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1000 - 1100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1100 - 1200 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1200 - 1300 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1300 - 1400 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1400 - 1500 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1500 - 1600 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1600 - 1700 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1700 - 1800 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1800 - 1900 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 1900 - 2000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 2000 - 2100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 2100 - 2200 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 2200 - 2300 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 2300 - 2400 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |

Remark:
[1] Number of cold starts were derived based on on-site observations at the PTIs and operators' published schedules, while sitting time were obtained based on on-site observations at PTIs.
[2] Population ratio of PLB (Diesel) to PLB (LPG) was extracted from Year 2033 data of EMFAC-HK.

## Tan Kwai Tsuen Minibus PTI

**Cold Idling Emission**

| | | |
|---|---|---|
| Idling Time for Terminating Public Light Buses = | 2 | min |
| Max. Idling Time for Adjusting Starting Emission = | 1 | min |

| Hour | Public Light Bus (Diesel) Frequency | Cold Idling Emission Factor (g/min) NO | $NO_2$ | RSP | FSP | TSP | Cold Idling Emission (g) NO | $NO_2$ | RSP | FSP | TSP | Frequency | Hot Idling Emission Factor (g/min) NO | $NO_2$ | RSP | FSP | TSP | Hot Idling Emission (g) NO | $NO_2$ | RSP | FSP | TSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0000 - 0100 | 0 | 4.321E-02 | 1.680E-02 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 2.160E-02 | 8.399E-03 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0100 - 0200 | 0 | 4.321E-02 | 1.680E-02 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 2.160E-02 | 8.399E-03 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0200 - 0300 | 0 | 4.321E-02 | 1.680E-02 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 2.160E-02 | 8.399E-03 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0300 - 0400 | 0 | 4.321E-02 | 1.680E-02 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 2.160E-02 | 8.399E-03 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0400 - 0500 | 0 | 4.321E-02 | 1.680E-02 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 2.160E-02 | 8.399E-03 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0500 - 0600 | 0 | 4.321E-02 | 1.680E-02 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 2.160E-02 | 8.399E-03 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0600 - 0700 | 0 | 4.321E-02 | 1.680E-02 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 2.160E-02 | 8.399E-03 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0700 - 0800 | 0 | 4.321E-02 | 1.680E-02 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 2.160E-02 | 8.399E-03 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0800 - 0900 | 0 | 4.321E-02 | 1.680E-02 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 2.160E-02 | 8.399E-03 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0900 - 1000 | 0 | 4.321E-02 | 1.680E-02 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 2.160E-02 | 8.399E-03 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1000 - 1100 | 0 | 4.321E-02 | 1.680E-02 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 2.160E-02 | 8.399E-03 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1100 - 1200 | 0 | 4.321E-02 | 1.680E-02 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 2.160E-02 | 8.399E-03 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1200 - 1300 | 0 | 4.321E-02 | 1.680E-02 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 2.160E-02 | 8.399E-03 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1300 - 1400 | 0 | 4.321E-02 | 1.680E-02 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 2.160E-02 | 8.399E-03 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1400 - 1500 | 0 | 4.321E-02 | 1.680E-02 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 2.160E-02 | 8.399E-03 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1500 - 1600 | 0 | 4.321E-02 | 1.680E-02 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 2.160E-02 | 8.399E-03 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1600 - 1700 | 0 | 4.321E-02 | 1.680E-02 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 2.160E-02 | 8.399E-03 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1700 - 1800 | 0 | 4.321E-02 | 1.680E-02 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 2.160E-02 | 8.399E-03 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1800 - 1900 | 0 | 4.321E-02 | 1.680E-02 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 2.160E-02 | 8.399E-03 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1900 - 2000 | 0 | 4.321E-02 | 1.680E-02 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 2.160E-02 | 8.399E-03 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2000 - 2100 | 0 | 4.321E-02 | 1.680E-02 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 2.160E-02 | 8.399E-03 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2100 - 2200 | 0 | 4.321E-02 | 1.680E-02 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 2.160E-02 | 8.399E-03 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2200 - 2300 | 0 | 4.321E-02 | 1.680E-02 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 2.160E-02 | 8.399E-03 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2300 - 2400 | 0 | 4.321E-02 | 1.680E-02 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 2.160E-02 | 8.399E-03 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |

| | | |
|---|---|---|
| Average Distance from Starting Place to PTI Egress = | 7.5 | m |
| Average Spread Distance outside PTI = | 692.5 | m |

| Hour | Idling Emission (g) NO | $NO_2$ | RSP | FSP | TSP | Emission for Adjusting Starting Emission (g) NO | $NO_2$ | RSP | FSP | TSP | Adjusted Starting Emission Within PTI (g) NO | $NO_2$ | RSP | FSP | TSP | Adjusted Starting Emission Outside PTI (g) NO | $NO_2$ | RSP | FSP | TSP | Starting Emission Rate Outside PTI (g/s) NO | $NO_2$ | RSP | FSP | TSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0000 - 0100 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0100 - 0200 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0200 - 0300 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0300 - 0400 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0400 - 0500 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0500 - 0600 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0600 - 0700 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0700 - 0800 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0800 - 0900 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0900 - 1000 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1000 - 1100 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1100 - 1200 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1200 - 1300 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1300 - 1400 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1400 - 1500 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1500 - 1600 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1600 - 1700 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1700 - 1800 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1800 - 1900 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1900 - 2000 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2000 - 2100 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2100 - 2200 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2200 - 2300 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2300 - 2400 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |

## Tan Kwai Tsuen Minibus PTI

**Starting Emission**

| | |
|---|---|
| No. of PLB (Diesel) to No. of PLB (LPG) Ratio [2] = | 6.5 |

| Starting Emission Factor (g/trip) | 5 | 10 | 20 | 30 | 40 | 50 | 60 | 120 | 180 | 240 | 300 | 360 | 420 | 480 | 540 | 600 | 660 | 720 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NO | 1.870E+00 | 2.817E+00 | 4.481E+00 | 5.837E+00 | 6.885E+00 | 7.625E+00 | 8.057E+00 | 8.296E+00 | 8.266E+00 | 8.219E+00 | 8.157E+00 | 8.078E+00 | 7.983E+00 | 7.872E+00 | 7.745E+00 | 7.602E+00 | 7.443E+00 | 7.267E+00 |
| $NO_2$ | 9.400E-03 | 1.420E-02 | 2.250E-02 | 2.930E-02 | 3.460E-02 | 3.830E-02 | 4.050E-02 | 4.170E-02 | 4.150E-02 | 4.130E-02 | 4.100E-02 | 4.060E-02 | 4.010E-02 | 3.960E-02 | 3.890E-02 | 3.820E-02 | 3.740E-02 | 3.650E-02 |
| RSP | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| FSP | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 |
| TSP | | | | | | | | | | | | | | | | | | |

| Hour / Sitting Time (min) | No. of Cold Starts of Public Light Bus (LPG) 5 | 10 | 20 | 30 | 40 | 50 | 60 | 120 | 180 | 240 | 300 | 360 | 420 | 480 | 540 | 600 | 660 | 720 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0000 - 0100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0100 - 0200 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0200 - 0300 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0300 - 0400 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0400 - 0500 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0500 - 0600 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0600 - 0700 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0700 - 0800 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0800 - 0900 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0900 - 1000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1000 - 1100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1100 - 1200 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1200 - 1300 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1300 - 1400 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1400 - 1500 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1500 - 1600 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1600 - 1700 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1700 - 1800 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1800 - 1900 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1900 - 2000 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2000 - 2100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2100 - 2200 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2200 - 2300 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2300 - 2400 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| Hour | Total Starting Emission (g) NO | $NO_2$ | RSP | FSP | TSP |
|---|---|---|---|---|---|
| 0000 - 0100 | 0 | 0 | 0 | 0 | |
| 0100 - 0200 | 0 | 0 | 0 | 0 | |
| 0200 - 0300 | 0 | 0 | 0 | 0 | |
| 0300 - 0400 | 0 | 0 | 0 | 0 | |
| 0400 - 0500 | 0 | 0 | 0 | 0 | |
| 0500 - 0600 | 0 | 0 | 0 | 0 | |
| 0600 - 0700 | 0 | 0 | 0 | 0 | |
| 0700 - 0800 | 0 | 0 | 0 | 0 | |
| 0800 - 0900 | 0 | 0 | 0 | 0 | |
| 0900 - 1000 | 0 | 0 | 0 | 0 | |
| 1000 - 1100 | 0 | 0 | 0 | 0 | |
| 1100 - 1200 | 0 | 0 | 0 | 0 | |
| 1200 - 1300 | 0 | 0 | 0 | 0 | |
| 1300 - 1400 | 0 | 0 | 0 | 0 | |
| 1400 - 1500 | 0 | 0 | 0 | 0 | |
| 1500 - 1600 | 0 | 0 | 0 | 0 | |
| 1600 - 1700 | 0 | 0 | 0 | 0 | |
| 1700 - 1800 | 0 | 0 | 0 | 0 | |
| 1800 - 1900 | 0 | 0 | 0 | 0 | |
| 1900 - 2000 | 0 | 0 | 0 | 0 | |
| 2000 - 2100 | 0 | 0 | 0 | 0 | |
| 2100 - 2200 | 0 | 0 | 0 | 0 | |
| 2200 - 2300 | 0 | 0 | 0 | 0 | |
| 2300 - 2400 | 0 | 0 | 0 | 0 | |

Remark:
[1] Number of cold starts were derived based on on-site observations at the PTIs and operators' published schedules, while sitting time were obtained based on on-site observations at PTIs.
[2] Population ratio of PLB (Diesel) to PLB (LPG) was extracted from Year 2033 data of EMFAC-HK.

## Tan Kwai Tsuen Minibus PTI

**Cold Idling Emission**

| | | |
|---|---|---|
| Idling Time for Terminating Public Light Buses = | 2 | min |
| Max. Idling Time for Adjusting Starting Emission = | 1 | min |

| Hour | Public Light Bus (LPG) Frequency | Cold Idling Emission Factor (g/min) NO | $NO_2$ | RSP | FSP | TSP | Cold Idling Emission (g) NO | $NO_2$ | RSP | FSP | TSP | Frequency | Hot Idling Emission Factor (g/min) NO | $NO_2$ | RSP | FSP | TSP | Hot Idling Emission (g) NO | $NO_2$ | RSP | FSP | TSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0000 - 0100 | 0 | 2.367E-01 | 1.195E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.077E-01 | 1.554E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0100 - 0200 | 0 | 2.367E-01 | 1.195E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.077E-01 | 1.554E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0200 - 0300 | 0 | 2.367E-01 | 1.195E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.077E-01 | 1.554E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0300 - 0400 | 0 | 2.367E-01 | 1.195E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.077E-01 | 1.554E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0400 - 0500 | 0 | 2.367E-01 | 1.195E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.077E-01 | 1.554E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0500 - 0600 | 0 | 2.367E-01 | 1.195E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.077E-01 | 1.554E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0600 - 0700 | 0 | 2.367E-01 | 1.195E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.077E-01 | 1.554E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0700 - 0800 | 0 | 2.367E-01 | 1.195E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.077E-01 | 1.554E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0800 - 0900 | 0 | 2.367E-01 | 1.195E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.077E-01 | 1.554E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0900 - 1000 | 0 | 2.367E-01 | 1.195E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.077E-01 | 1.554E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1000 - 1100 | 0 | 2.367E-01 | 1.195E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.077E-01 | 1.554E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1100 - 1200 | 0 | 2.367E-01 | 1.195E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.077E-01 | 1.554E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1200 - 1300 | 0 | 2.367E-01 | 1.195E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.077E-01 | 1.554E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1300 - 1400 | 0 | 2.367E-01 | 1.195E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.077E-01 | 1.554E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1400 - 1500 | 0 | 2.367E-01 | 1.195E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.077E-01 | 1.554E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1500 - 1600 | 0 | 2.367E-01 | 1.195E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.077E-01 | 1.554E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1600 - 1700 | 0 | 2.367E-01 | 1.195E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.077E-01 | 1.554E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1700 - 1800 | 0 | 2.367E-01 | 1.195E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.077E-01 | 1.554E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1800 - 1900 | 0 | 2.367E-01 | 1.195E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.077E-01 | 1.554E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1900 - 2000 | 0 | 2.367E-01 | 1.195E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.077E-01 | 1.554E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2000 - 2100 | 0 | 2.367E-01 | 1.195E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.077E-01 | 1.554E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2100 - 2200 | 0 | 2.367E-01 | 1.195E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.077E-01 | 1.554E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2200 - 2300 | 0 | 2.367E-01 | 1.195E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.077E-01 | 1.554E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2300 - 2400 | 0 | 2.367E-01 | 1.195E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.077E-01 | 1.554E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |

| | | |
|---|---|---|
| Average Distance from Starting Place to PTI Egress = | 7.5 | m |
| Average Spread Distance outside PTI = | 142.5 | m |

| Hour | Idling Emission (g) NO | $NO_2$ | RSP | FSP | TSP | Emission for Adjusting Starting Emission (g) NO | $NO_2$ | RSP | FSP | TSP | Adjusted Starting Emission Within PTI (g) NO | $NO_2$ | RSP | FSP | TSP | Adjusted Starting Emission Outside PTI (g) NO | $NO_2$ | RSP | FSP | TSP | Starting Emission Rate Outside PTI (g/s) NO | $NO_2$ | RSP | FSP | TSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0000 - 0100 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0100 - 0200 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0200 - 0300 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0300 - 0400 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0400 - 0500 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0500 - 0600 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0600 - 0700 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0700 - 0800 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0800 - 0900 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0900 - 1000 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1000 - 1100 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1100 - 1200 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1200 - 1300 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1300 - 1400 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1400 - 1500 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1500 - 1600 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1600 - 1700 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1700 - 1800 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1800 - 1900 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1900 - 2000 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2000 - 2100 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2100 - 2200 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2200 - 2300 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2300 - 2400 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |

Appendix 3.9 Emission Inventory for Emissions Associated with Bus and Minibus Termini, and Heavy Goods Vehicles and Coach Parking Sites

## Tan Kwai Tsuen Minibus PTI

**Running Emission**

| | | |
|---|---|---|
| Average Travelling Distance within PTI = | 15.0 | m |
| Average Travelling Speed = | 15 | km/h |

| Hour | Public Light Bus (Diesel + LPG) Frequency | Running Emission Factor (g/km·vehicle) NO | $NO_2$ | RSP | FSP | TSP | Running Emission Within PTI (g) NO | $NO_2$ | RSP | FSP | TSP |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 0000 - 0100 | 0 | 6.674E-01 | 1.618E-01 | 4.290E-02 | 3.940E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0100 - 0200 | 0 | 6.674E-01 | 1.618E-01 | 4.290E-02 | 3.940E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0200 - 0300 | 0 | 6.674E-01 | 1.618E-01 | 4.290E-02 | 3.940E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0300 - 0400 | 0 | 6.674E-01 | 1.618E-01 | 4.290E-02 | 3.940E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0400 - 0500 | 0 | 6.674E-01 | 1.618E-01 | 4.290E-02 | 3.940E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0500 - 0600 | 0 | 6.674E-01 | 1.618E-01 | 4.290E-02 | 3.940E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0600 - 0700 | 5 | 6.674E-01 | 1.618E-01 | 4.290E-02 | 3.940E-02 | | 5.006E-02 | 1.214E-02 | 3.218E-03 | 2.955E-03 | |
| 0700 - 0800 | 5 | 6.674E-01 | 1.618E-01 | 4.290E-02 | 3.940E-02 | | 5.006E-02 | 1.214E-02 | 3.218E-03 | 2.955E-03 | |
| 0800 - 0900 | 6 | 6.674E-01 | 1.618E-01 | 4.290E-02 | 3.940E-02 | | 6.007E-02 | 1.456E-02 | 3.861E-03 | 3.546E-03 | |
| 0900 - 1000 | 6 | 6.674E-01 | 1.618E-01 | 4.290E-02 | 3.940E-02 | | 6.007E-02 | 1.456E-02 | 3.861E-03 | 3.546E-03 | |
| 1000 - 1100 | 4 | 6.674E-01 | 1.618E-01 | 4.290E-02 | 3.940E-02 | | 4.004E-02 | 9.708E-03 | 2.574E-03 | 2.364E-03 | |
| 1100 - 1200 | 4 | 6.674E-01 | 1.618E-01 | 4.290E-02 | 3.940E-02 | | 4.004E-02 | 9.708E-03 | 2.574E-03 | 2.364E-03 | |
| 1200 - 1300 | 5 | 6.674E-01 | 1.618E-01 | 4.290E-02 | 3.940E-02 | | 5.006E-02 | 1.214E-02 | 3.218E-03 | 2.955E-03 | |
| 1300 - 1400 | 5 | 6.674E-01 | 1.618E-01 | 4.290E-02 | 3.940E-02 | | 5.006E-02 | 1.214E-02 | 3.218E-03 | 2.955E-03 | |
| 1400 - 1500 | 4 | 6.674E-01 | 1.618E-01 | 4.290E-02 | 3.940E-02 | | 4.004E-02 | 9.708E-03 | 2.574E-03 | 2.364E-03 | |
| 1500 - 1600 | 4 | 6.674E-01 | 1.618E-01 | 4.290E-02 | 3.940E-02 | | 4.004E-02 | 9.708E-03 | 2.574E-03 | 2.364E-03 | |
| 1600 - 1700 | 4 | 6.674E-01 | 1.618E-01 | 4.290E-02 | 3.940E-02 | | 4.004E-02 | 9.708E-03 | 2.574E-03 | 2.364E-03 | |
| 1700 - 1800 | 4 | 6.674E-01 | 1.618E-01 | 4.290E-02 | 3.940E-02 | | 4.004E-02 | 9.708E-03 | 2.574E-03 | 2.364E-03 | |
| 1800 - 1900 | 5 | 6.674E-01 | 1.618E-01 | 4.290E-02 | 3.940E-02 | | 5.006E-02 | 1.214E-02 | 3.218E-03 | 2.955E-03 | |
| 1900 - 2000 | 5 | 6.674E-01 | 1.618E-01 | 4.290E-02 | 3.940E-02 | | 5.006E-02 | 1.214E-02 | 3.218E-03 | 2.955E-03 | |
| 2000 - 2100 | 5 | 6.674E-01 | 1.618E-01 | 4.290E-02 | 3.940E-02 | | 5.006E-02 | 1.214E-02 | 3.218E-03 | 2.955E-03 | |
| 2100 - 2200 | 6 | 6.674E-01 | 1.618E-01 | 4.290E-02 | 3.940E-02 | | 6.007E-02 | 1.456E-02 | 3.861E-03 | 3.546E-03 | |
| 2200 - 2300 | 4 | 6.674E-01 | 1.618E-01 | 4.290E-02 | 3.940E-02 | | 4.004E-02 | 9.708E-03 | 2.574E-03 | 2.364E-03 | |
| 2300 - 2400 | 1 | 6.674E-01 | 1.618E-01 | 4.290E-02 | 3.940E-02 | | 1.001E-02 | 2.427E-03 | 6.435E-04 | 5.910E-04 | |

**Idling Emission**

| | | |
|---|---|---|
| No. of PLB (Diesel) to No. of PLB (LPG) Ratio [1] = | 6.5 | |
| Idling Time for Non-terminating Public Light Buses = | 2 | min |

| Hour | Public Light Bus (Diesel) Frequency | Hot Idling Emission Factor (g/min) NO | $NO_2$ | RSP | FSP | TSP | Hot Idling Emission (g) NO | $NO_2$ | RSP | FSP | TSP | Public Light Bus (LPG) Frequency | Hot Idling Emission Factor (g/min) NO | $NO_2$ | RSP | FSP | TSP | Hot Idling Emission (g) NO | $NO_2$ | RSP | FSP | TSP |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0000 - 0100 | 0 | 2.160E-02 | 8.399E-03 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.077E-01 | 1.554E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0100 - 0200 | 0 | 2.160E-02 | 8.399E-03 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.077E-01 | 1.554E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0200 - 0300 | 0 | 2.160E-02 | 8.399E-03 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.077E-01 | 1.554E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0300 - 0400 | 0 | 2.160E-02 | 8.399E-03 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.077E-01 | 1.554E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0400 - 0500 | 0 | 2.160E-02 | 8.399E-03 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.077E-01 | 1.554E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0500 - 0600 | 0 | 2.160E-02 | 8.399E-03 | 4.338E-04 | 4.338E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 3.077E-01 | 1.554E-03 | 4.919E-04 | 4.919E-04 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0600 - 0700 | 4 | 2.160E-02 | 8.399E-03 | 4.338E-04 | 4.338E-04 | | 1.874E-01 | 7.285E-02 | 3.763E-03 | 3.763E-03 | | 1 | 3.077E-01 | 1.554E-03 | 4.919E-04 | 4.919E-04 | | 4.080E-01 | 2.060E-03 | 6.523E-04 | 6.523E-04 | |
| 0700 - 0800 | 4 | 2.160E-02 | 8.399E-03 | 4.338E-04 | 4.338E-04 | | 1.874E-01 | 7.285E-02 | 3.763E-03 | 3.763E-03 | | 1 | 3.077E-01 | 1.554E-03 | 4.919E-04 | 4.919E-04 | | 4.080E-01 | 2.060E-03 | 6.523E-04 | 6.523E-04 | |
| 0800 - 0900 | 5 | 2.160E-02 | 8.399E-03 | 4.338E-04 | 4.338E-04 | | 2.248E-01 | 8.742E-02 | 4.516E-03 | 4.516E-03 | | 1 | 3.077E-01 | 1.554E-03 | 4.919E-04 | 4.919E-04 | | 4.896E-01 | 2.472E-03 | 7.828E-04 | 7.828E-04 | |
| 0900 - 1000 | 5 | 2.160E-02 | 8.399E-03 | 4.338E-04 | 4.338E-04 | | 2.248E-01 | 8.742E-02 | 4.516E-03 | 4.516E-03 | | 1 | 3.077E-01 | 1.554E-03 | 4.919E-04 | 4.919E-04 | | 4.896E-01 | 2.472E-03 | 7.828E-04 | 7.828E-04 | |
| 1000 - 1100 | 3 | 2.160E-02 | 8.399E-03 | 4.338E-04 | 4.338E-04 | | 1.499E-01 | 5.828E-02 | 3.011E-03 | 3.011E-03 | | 1 | 3.077E-01 | 1.554E-03 | 4.919E-04 | 4.919E-04 | | 3.264E-01 | 1.648E-03 | 5.218E-04 | 5.218E-04 | |
| 1100 - 1200 | 3 | 2.160E-02 | 8.399E-03 | 4.338E-04 | 4.338E-04 | | 1.499E-01 | 5.828E-02 | 3.011E-03 | 3.011E-03 | | 1 | 3.077E-01 | 1.554E-03 | 4.919E-04 | 4.919E-04 | | 3.264E-01 | 1.648E-03 | 5.218E-04 | 5.218E-04 | |
| 1200 - 1300 | 4 | 2.160E-02 | 8.399E-03 | 4.338E-04 | 4.338E-04 | | 1.874E-01 | 7.285E-02 | 3.763E-03 | 3.763E-03 | | 1 | 3.077E-01 | 1.554E-03 | 4.919E-04 | 4.919E-04 | | 4.080E-01 | 2.060E-03 | 6.523E-04 | 6.523E-04 | |
| 1300 - 1400 | 4 | 2.160E-02 | 8.399E-03 | 4.338E-04 | 4.338E-04 | | 1.874E-01 | 7.285E-02 | 3.763E-03 | 3.763E-03 | | 1 | 3.077E-01 | 1.554E-03 | 4.919E-04 | 4.919E-04 | | 4.080E-01 | 2.060E-03 | 6.523E-04 | 6.523E-04 | |
| 1400 - 1500 | 3 | 2.160E-02 | 8.399E-03 | 4.338E-04 | 4.338E-04 | | 1.499E-01 | 5.828E-02 | 3.011E-03 | 3.011E-03 | | 1 | 3.077E-01 | 1.554E-03 | 4.919E-04 | 4.919E-04 | | 3.264E-01 | 1.648E-03 | 5.218E-04 | 5.218E-04 | |
| 1500 - 1600 | 3 | 2.160E-02 | 8.399E-03 | 4.338E-04 | 4.338E-04 | | 1.499E-01 | 5.828E-02 | 3.011E-03 | 3.011E-03 | | 1 | 3.077E-01 | 1.554E-03 | 4.919E-04 | 4.919E-04 | | 3.264E-01 | 1.648E-03 | 5.218E-04 | 5.218E-04 | |
| 1600 - 1700 | 3 | 2.160E-02 | 8.399E-03 | 4.338E-04 | 4.338E-04 | | 1.499E-01 | 5.828E-02 | 3.011E-03 | 3.011E-03 | | 1 | 3.077E-01 | 1.554E-03 | 4.919E-04 | 4.919E-04 | | 3.264E-01 | 1.648E-03 | 5.218E-04 | 5.218E-04 | |
| 1700 - 1800 | 3 | 2.160E-02 | 8.399E-03 | 4.338E-04 | 4.338E-04 | | 1.499E-01 | 5.828E-02 | 3.011E-03 | 3.011E-03 | | 1 | 3.077E-01 | 1.554E-03 | 4.919E-04 | 4.919E-04 | | 3.264E-01 | 1.648E-03 | 5.218E-04 | 5.218E-04 | |
| 1800 - 1900 | 4 | 2.160E-02 | 8.399E-03 | 4.338E-04 | 4.338E-04 | | 1.874E-01 | 7.285E-02 | 3.763E-03 | 3.763E-03 | | 1 | 3.077E-01 | 1.554E-03 | 4.919E-04 | 4.919E-04 | | 4.080E-01 | 2.060E-03 | 6.523E-04 | 6.523E-04 | |
| 1900 - 2000 | 4 | 2.160E-02 | 8.399E-03 | 4.338E-04 | 4.338E-04 | | 1.874E-01 | 7.285E-02 | 3.763E-03 | 3.763E-03 | | 1 | 3.077E-01 | 1.554E-03 | 4.919E-04 | 4.919E-04 | | 4.080E-01 | 2.060E-03 | 6.523E-04 | 6.523E-04 | |
| 2000 - 2100 | 4 | 2.160E-02 | 8.399E-03 | 4.338E-04 | 4.338E-04 | | 1.874E-01 | 7.285E-02 | 3.763E-03 | 3.763E-03 | | 1 | 3.077E-01 | 1.554E-03 | 4.919E-04 | 4.919E-04 | | 4.080E-01 | 2.060E-03 | 6.523E-04 | 6.523E-04 | |
| 2100 - 2200 | 5 | 2.160E-02 | 8.399E-03 | 4.338E-04 | 4.338E-04 | | 2.248E-01 | 8.742E-02 | 4.516E-03 | 4.516E-03 | | 1 | 3.077E-01 | 1.554E-03 | 4.919E-04 | 4.919E-04 | | 4.896E-01 | 2.472E-03 | 7.828E-04 | 7.828E-04 | |
| 2200 - 2300 | 3 | 2.160E-02 | 8.399E-03 | 4.338E-04 | 4.338E-04 | | 1.499E-01 | 5.828E-02 | 3.011E-03 | 3.011E-03 | | 1 | 3.077E-01 | 1.554E-03 | 4.919E-04 | 4.919E-04 | | 3.264E-01 | 1.648E-03 | 5.218E-04 | 5.218E-04 | |
| 2300 - 2400 | 1 | 2.160E-02 | 8.399E-03 | 4.338E-04 | 4.338E-04 | | 3.747E-02 | 1.457E-02 | 7.526E-04 | 7.526E-04 | | 0 | 3.077E-01 | 1.554E-03 | 4.919E-04 | 4.919E-04 | | 8.160E-02 | 4.121E-04 | 1.305E-04 | 1.305E-04 | |

Remark:
[1] Population ratio of PLB (Diesel) to PLB (LPG) was extracted from Year 2033 data of EMFAC-HK.

## Tan Kwai Tsuen Minibus PTI

**Total Hourly Emission**

| Hour | Emission Within PTI: Total Emission (g) (Running + Idling + Starting) NO | $NO_2$ | RSP | FSP | TSP | Total Emission Rate (g/s) NO | $NO_2$ | RSP | FSP | TSP |
|---|---|---|---|---|---|---|---|---|---|---|
| 0000 - 0100 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0100 - 0200 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0200 - 0300 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0300 - 0400 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0400 - 0500 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0500 - 0600 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0600 - 0700 | 6.454E-01 | 8.704E-02 | 7.633E-03 | 7.370E-03 | | 1.793E-04 | 2.418E-05 | 2.120E-06 | 2.047E-06 | |
| 0700 - 0800 | 6.454E-01 | 8.704E-02 | 7.633E-03 | 7.370E-03 | | 1.793E-04 | 2.418E-05 | 2.120E-06 | 2.047E-06 | |
| 0800 - 0900 | 7.745E-01 | 1.045E-01 | 9.160E-03 | 8.845E-03 | | 2.151E-04 | 2.901E-05 | 2.544E-06 | 2.457E-06 | |
| 0900 - 1000 | 7.745E-01 | 1.045E-01 | 9.160E-03 | 8.845E-03 | | 2.151E-04 | 2.901E-05 | 2.544E-06 | 2.457E-06 | |
| 1000 - 1100 | 5.163E-01 | 6.964E-02 | 6.106E-03 | 5.896E-03 | | 1.434E-04 | 1.934E-05 | 1.696E-06 | 1.638E-06 | |
| 1100 - 1200 | 5.163E-01 | 6.964E-02 | 6.106E-03 | 5.896E-03 | | 1.434E-04 | 1.934E-05 | 1.696E-06 | 1.638E-06 | |
| 1200 - 1300 | 6.454E-01 | 8.704E-02 | 7.633E-03 | 7.370E-03 | | 1.793E-04 | 2.418E-05 | 2.120E-06 | 2.047E-06 | |
| 1300 - 1400 | 6.454E-01 | 8.704E-02 | 7.633E-03 | 7.370E-03 | | 1.793E-04 | 2.418E-05 | 2.120E-06 | 2.047E-06 | |
| 1400 - 1500 | 5.163E-01 | 6.964E-02 | 6.106E-03 | 5.896E-03 | | 1.434E-04 | 1.934E-05 | 1.696E-06 | 1.638E-06 | |
| 1500 - 1600 | 5.163E-01 | 6.964E-02 | 6.106E-03 | 5.896E-03 | | 1.434E-04 | 1.934E-05 | 1.696E-06 | 1.638E-06 | |
| 1600 - 1700 | 5.163E-01 | 6.964E-02 | 6.106E-03 | 5.896E-03 | | 1.434E-04 | 1.934E-05 | 1.696E-06 | 1.638E-06 | |
| 1700 - 1800 | 5.163E-01 | 6.964E-02 | 6.106E-03 | 5.896E-03 | | 1.434E-04 | 1.934E-05 | 1.696E-06 | 1.638E-06 | |
| 1800 - 1900 | 6.454E-01 | 8.704E-02 | 7.633E-03 | 7.370E-03 | | 1.793E-04 | 2.418E-05 | 2.120E-06 | 2.047E-06 | |
| 1900 - 2000 | 6.454E-01 | 8.704E-02 | 7.633E-03 | 7.370E-03 | | 1.793E-04 | 2.418E-05 | 2.120E-06 | 2.047E-06 | |
| 2000 - 2100 | 6.454E-01 | 8.704E-02 | 7.633E-03 | 7.370E-03 | | 1.793E-04 | 2.418E-05 | 2.120E-06 | 2.047E-06 | |
| 2100 - 2200 | 7.745E-01 | 1.045E-01 | 9.160E-03 | 8.845E-03 | | 2.151E-04 | 2.901E-05 | 2.544E-06 | 2.457E-06 | |
| 2200 - 2300 | 5.163E-01 | 6.964E-02 | 6.106E-03 | 5.896E-03 | | 1.434E-04 | 1.934E-05 | 1.696E-06 | 1.638E-06 | |
| 2300 - 2400 | 1.291E-01 | 1.741E-02 | 1.527E-03 | 1.474E-03 | | 3.586E-05 | 4.836E-06 | 4.241E-07 | 4.095E-07 | |

## MTR Bus Depot

**Running Emission**

| | | |
|---|---|---|
| Average Travelling Distance within PTI = | 296 | m |
| Average Travelling Speed = | 10 | km/h |

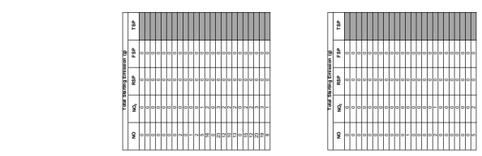
| Hour | Double-Deck Franchised Bus | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Frequency | Running Emission Factor (g/km·vehicle) | | | | | Running Emission Within PTI (g) | | | | | |
| | | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP | |
| 0000 - 0100 | 0 | 6.810E+00 | 8.848E-01 | 2.321E-01 | 2.135E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | |
| 0100 - 0200 | 0 | 6.810E+00 | 8.848E-01 | 2.321E-01 | 2.135E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | |
| 0200 - 0300 | 0 | 6.810E+00 | 8.848E-01 | 2.321E-01 | 2.135E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | |
| 0300 - 0400 | 0 | 6.810E+00 | 8.848E-01 | 2.321E-01 | 2.135E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | |
| 0400 - 0500 | 0 | 6.810E+00 | 8.848E-01 | 2.321E-01 | 2.135E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | |
| 0500 - 0600 | 0 | 6.810E+00 | 8.848E-01 | 2.321E-01 | 2.135E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | |
| 0600 - 0700 | 0 | 6.810E+00 | 8.848E-01 | 2.321E-01 | 2.135E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | |
| 0700 - 0800 | 2 | 6.810E+00 | 8.848E-01 | 2.321E-01 | 2.135E-01 | | 4.032E+00 | 5.238E-01 | 1.374E-01 | 1.264E-01 | | |
| 0800 - 0900 | 0 | 6.810E+00 | 8.848E-01 | 2.321E-01 | 2.135E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | |
| 0900 - 1000 | 1 | 6.810E+00 | 8.848E-01 | 2.321E-01 | 2.135E-01 | | 2.016E+00 | 2.619E-01 | 6.870E-02 | 6.320E-02 | | |
| 1000 - 1100 | 1 | 6.810E+00 | 8.848E-01 | 2.321E-01 | 2.135E-01 | | 2.016E+00 | 2.619E-01 | 6.870E-02 | 6.320E-02 | | |
| 1100 - 1200 | 1 | 6.810E+00 | 8.848E-01 | 2.321E-01 | 2.135E-01 | | 2.016E+00 | 2.619E-01 | 6.870E-02 | 6.320E-02 | | |
| 1200 - 1300 | 3 | 6.810E+00 | 8.848E-01 | 2.321E-01 | 2.135E-01 | | 6.047E+00 | 7.857E-01 | 2.061E-01 | 1.896E-01 | | |
| 1300 - 1400 | 0 | 6.810E+00 | 8.848E-01 | 2.321E-01 | 2.135E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | |
| 1400 - 1500 | 2 | 6.810E+00 | 8.848E-01 | 2.321E-01 | 2.135E-01 | | 4.032E+00 | 5.238E-01 | 1.374E-01 | 1.264E-01 | | |
| 1500 - 1600 | 2 | 6.810E+00 | 8.848E-01 | 2.321E-01 | 2.135E-01 | | 4.032E+00 | 5.238E-01 | 1.374E-01 | 1.264E-01 | | |
| 1600 - 1700 | 1 | 6.810E+00 | 8.848E-01 | 2.321E-01 | 2.135E-01 | | 2.016E+00 | 2.619E-01 | 6.870E-02 | 6.320E-02 | | |
| 1700 - 1800 | 2 | 6.810E+00 | 8.848E-01 | 2.321E-01 | 2.135E-01 | | 4.032E+00 | 5.238E-01 | 1.374E-01 | 1.264E-01 | | |
| 1800 - 1900 | 0 | 6.810E+00 | 8.848E-01 | 2.321E-01 | 2.135E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | |
| 1900 - 2000 | 2 | 6.810E+00 | 8.848E-01 | 2.321E-01 | 2.135E-01 | | 4.032E+00 | 5.238E-01 | 1.374E-01 | 1.264E-01 | | |
| 2000 - 2100 | 5 | 6.810E+00 | 8.848E-01 | 2.321E-01 | 2.135E-01 | | 1.008E+01 | 1.310E+00 | 3.435E-01 | 3.160E-01 | | |
| 2100 - 2200 | 3 | 6.810E+00 | 8.848E-01 | 2.321E-01 | 2.135E-01 | | 6.047E+00 | 7.857E-01 | 2.061E-01 | 1.896E-01 | | |
| 2200 - 2300 | 4 | 6.810E+00 | 8.848E-01 | 2.321E-01 | 2.135E-01 | | 8.063E+00 | 1.048E+00 | 2.748E-01 | 2.528E-01 | | |
| 2300 - 2400 | 5 | 6.810E+00 | 8.848E-01 | 2.321E-01 | 2.135E-01 | | 1.008E+01 | 1.310E+00 | 3.435E-01 | 3.160E-01 | | |

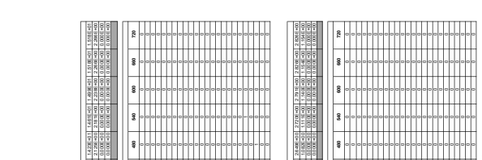
| Hour | Single-Deck Franchised Bus | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Frequency | Running Emission Factor (g/km·vehicle) | | | | | Running Emission Within PTI (g) | | | | | |
| | | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP | |
| 0000 - 0100 | 0 | ######## | 6.818E-01 | 2.110E-02 | 1.940E-02 | | 0.000E+00 | ######## | ######## | ######## | | |
| 0100 - 0200 | 0 | ######## | 6.818E-01 | 2.110E-02 | 1.940E-02 | | 0.000E+00 | ######## | ######## | ######## | | |
| 0200 - 0300 | 0 | ######## | 6.818E-01 | 2.110E-02 | 1.940E-02 | | 0.000E+00 | ######## | ######## | ######## | | |
| 0300 - 0400 | 0 | ######## | 6.818E-01 | 2.110E-02 | 1.940E-02 | | 0.000E+00 | ######## | ######## | ######## | | |
| 0400 - 0500 | 0 | ######## | 6.818E-01 | 2.110E-02 | 1.940E-02 | | 0.000E+00 | ######## | ######## | ######## | | |
| 0500 - 0600 | 0 | ######## | 6.818E-01 | 2.110E-02 | 1.940E-02 | | 0.000E+00 | ######## | ######## | ######## | | |
| 0600 - 0700 | 0 | ######## | 6.818E-01 | 2.110E-02 | 1.940E-02 | | 0.000E+00 | ######## | ######## | ######## | | |
| 0700 - 0800 | 0 | ######## | 6.818E-01 | 2.110E-02 | 1.940E-02 | | 9.883E-01 | 4.036E-01 | 1.249E-02 | 1.148E-02 | | |
| 0800 - 0900 | 0 | ######## | 6.818E-01 | 2.110E-02 | 1.940E-02 | | 0.000E+00 | ######## | ######## | ######## | | |
| 0900 - 1000 | 0 | ######## | 6.818E-01 | 2.110E-02 | 1.940E-02 | | 4.942E-01 | 2.018E-01 | 6.246E-03 | 5.742E-03 | | |
| 1000 - 1100 | 0 | ######## | 6.818E-01 | 2.110E-02 | 1.940E-02 | | 4.942E-01 | 2.018E-01 | 6.246E-03 | 5.742E-03 | | |
| 1100 - 1200 | 1 | ######## | 6.818E-01 | 2.110E-02 | 1.940E-02 | | 4.942E-01 | 2.018E-01 | 6.246E-03 | 5.742E-03 | | |
| 1200 - 1300 | 1 | ######## | 6.818E-01 | 2.110E-02 | 1.940E-02 | | 1.483E+00 | 6.054E-01 | 1.874E-02 | 1.723E-02 | | |
| 1300 - 1400 | 0 | ######## | 6.818E-01 | 2.110E-02 | 1.940E-02 | | 0.000E+00 | ######## | ######## | ######## | | |
| 1400 - 1500 | 0 | ######## | 6.818E-01 | 2.110E-02 | 1.940E-02 | | 9.883E-01 | 4.036E-01 | 1.249E-02 | 1.148E-02 | | |
| 1500 - 1600 | 0 | ######## | 6.818E-01 | 2.110E-02 | 1.940E-02 | | 9.883E-01 | 4.036E-01 | 1.249E-02 | 1.148E-02 | | |
| 1600 - 1700 | 1 | ######## | 6.818E-01 | 2.110E-02 | 1.940E-02 | | 4.942E-01 | 2.018E-01 | 6.246E-03 | 5.742E-03 | | |
| 1700 - 1800 | 0 | ######## | 6.818E-01 | 2.110E-02 | 1.940E-02 | | 9.883E-01 | 4.036E-01 | 1.249E-02 | 1.148E-02 | | |
| 1800 - 1900 | 1 | ######## | 6.818E-01 | 2.110E-02 | 1.940E-02 | | 0.000E+00 | ######## | ######## | ######## | | |
| 1900 - 2000 | 0 | ######## | 6.818E-01 | 2.110E-02 | 1.940E-02 | | 9.883E-01 | 4.036E-01 | 1.249E-02 | 1.148E-02 | | |
| 2000 - 2100 | 0 | ######## | 6.818E-01 | 2.110E-02 | 1.940E-02 | | 2.471E+00 | ######## | 3.123E-02 | 2.871E-02 | | |
| 2100 - 2200 | 0 | ######## | 6.818E-01 | 2.110E-02 | 1.940E-02 | | 1.483E+00 | 6.054E-01 | 1.874E-02 | 1.723E-02 | | |
| 2200 - 2300 | 0 | ######## | 6.818E-01 | 2.110E-02 | 1.940E-02 | | 1.977E+00 | 8.073E-01 | 2.498E-02 | 2.297E-02 | | |
| 2300 - 2400 | 4 | ######## | 6.818E-01 | 2.110E-02 | 1.940E-02 | | 2.471E+00 | ######## | 3.123E-02 | 2.871E-02 | | |

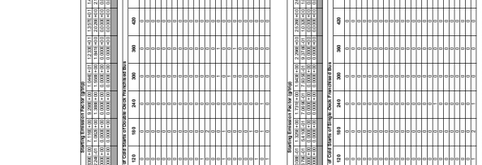
## MTR Bus Depot

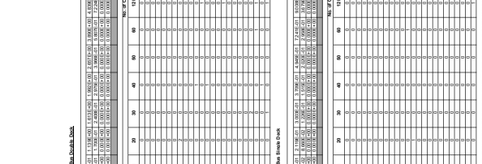
**Total Hourly Emission**

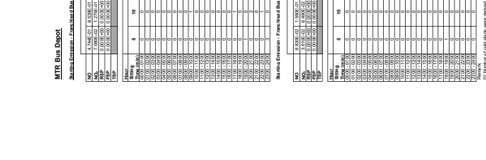
| Hour | Emission Within PTI | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Total Emission (g) (Running + Idling + Starting) | | | | | Total Emission Rate (g/s) | | | | |
| | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP |
| 0000 - 0100 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0100 - 0200 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0200 - 0300 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0300 - 0400 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0400 - 0500 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0500 - 0600 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0600 - 0700 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0700 - 0800 | 6.280E+00 | 1.097E+00 | 1.586E-01 | 1.466E-01 | | 1.744E-03 | 3.048E-04 | 4.405E-05 | 4.071E-05 | |
| 0800 - 0900 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0900 - 1000 | 3.099E+00 | 5.426E-01 | 7.929E-02 | 7.328E-02 | | 8.609E-04 | 1.507E-04 | 2.203E-05 | 2.036E-05 | |
| 1000 - 1100 | 3.262E+00 | 5.669E-01 | 7.929E-02 | 7.328E-02 | | 9.061E-04 | 1.575E-04 | 2.203E-05 | 2.036E-05 | |
| 1100 - 1200 | 1.865E+01 | 2.955E+00 | 8.033E-02 | 7.432E-02 | | 5.180E-03 | 8.208E-04 | 2.231E-05 | 2.064E-05 | |
| 1200 - 1300 | 3.862E+01 | 5.519E+00 | 2.389E-01 | 2.209E-01 | | 1.073E-02 | 1.533E-03 | 6.636E-05 | 6.136E-05 | |
| 1300 - 1400 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1400 - 1500 | 3.643E+01 | 5.071E+00 | 1.586E-01 | 1.466E-01 | | 1.012E-02 | 1.409E-03 | 4.405E-05 | 4.071E-05 | |
| 1500 - 1600 | 3.488E+01 | 4.840E+00 | 1.586E-01 | 1.466E-01 | | 9.690E-03 | 1.345E-03 | 4.405E-05 | 4.071E-05 | |
| 1600 - 1700 | 1.959E+01 | 3.133E+00 | 8.033E-02 | 7.432E-02 | | 5.442E-03 | 8.703E-04 | 2.231E-05 | 2.064E-05 | |
| 1700 - 1800 | 2.145E+01 | 3.098E+00 | 1.586E-01 | 1.466E-01 | | 5.958E-03 | 8.607E-04 | 4.405E-05 | 4.071E-05 | |
| 1800 - 1900 | 1.372E-01 | 5.605E-02 | 1.040E-03 | 1.040E-03 | | 3.812E-05 | 1.557E-05 | 2.889E-07 | 2.889E-07 | |
| 1900 - 2000 | 2.172E+01 | 3.139E+00 | 1.586E-01 | 1.466E-01 | | 6.033E-03 | 8.719E-04 | 4.405E-05 | 4.071E-05 | |
| 2000 - 2100 | 3.022E+01 | 4.647E+00 | 3.965E-01 | 3.664E-01 | | 8.394E-03 | 1.291E-03 | 1.101E-04 | 1.018E-04 | |
| 2100 - 2200 | 5.304E+01 | 7.368E+00 | 2.379E-01 | 2.198E-01 | | 1.473E-02 | 2.047E-03 | 6.608E-05 | 6.107E-05 | |
| 2200 - 2300 | 4.188E+01 | 6.045E+00 | 3.172E-01 | 2.931E-01 | | 1.163E-02 | 1.679E-03 | 8.810E-05 | 8.142E-05 | |
| 2300 - 2400 | 3.544E+01 | 6.933E+00 | 4.006E-01 | 3.706E-01 | | 9.844E-03 | 1.926E-03 | 1.113E-04 | 1.029E-04 | |











## Hung Shui Kiu (Hung Yuen Road) Bus PTI

**Running Emission**

| | | |
|---|---|---|
| Average Travelling Distance within PTI = | 96 | m |
| Average Travelling Speed = | 10 | km/h |

| Hour | Frequency | Double-Deck Franchised Bus | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Running Emission Factor (g/km·vehicle) | | | | | Running Emission Within PTI (g) | | | | | |
| | | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP |
| 0000 - 0100 | 0 | 6.810E+00 | 8.848E-01 | 2.321E-01 | 2.135E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0100 - 0200 | 0 | 6.810E+00 | 8.848E-01 | 2.321E-01 | 2.135E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0200 - 0300 | 0 | 6.810E+00 | 8.848E-01 | 2.321E-01 | 2.135E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0300 - 0400 | 0 | 6.810E+00 | 8.848E-01 | 2.321E-01 | 2.135E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0400 - 0500 | 1 | 6.810E+00 | 8.848E-01 | 2.321E-01 | 2.135E-01 | | 6.538E-01 | 8.494E-02 | 2.228E-02 | 2.050E-02 | |
| 0500 - 0600 | 2 | 6.810E+00 | 8.848E-01 | 2.321E-01 | 2.135E-01 | | 1.308E+00 | 1.699E-01 | 4.456E-02 | 4.099E-02 | |
| 0600 - 0700 | 6 | 6.810E+00 | 8.848E-01 | 2.321E-01 | 2.135E-01 | | 3.923E+00 | 5.096E-01 | 1.337E-01 | 1.230E-01 | |
| 0700 - 0800 | 12 | 6.810E+00 | 8.848E-01 | 2.321E-01 | 2.135E-01 | | 7.845E+00 | 1.019E+00 | 2.674E-01 | 2.460E-01 | |
| 0800 - 0900 | 5 | 6.810E+00 | 8.848E-01 | 2.321E-01 | 2.135E-01 | | 3.269E+00 | 4.247E-01 | 1.114E-01 | 1.025E-01 | |
| 0900 - 1000 | 1 | 6.810E+00 | 8.848E-01 | 2.321E-01 | 2.135E-01 | | 6.538E-01 | 8.494E-02 | 2.228E-02 | 2.050E-02 | |
| 1000 - 1100 | 2 | 6.810E+00 | 8.848E-01 | 2.321E-01 | 2.135E-01 | | 1.308E+00 | 1.699E-01 | 4.456E-02 | 4.099E-02 | |
| 1100 - 1200 | 1 | 6.810E+00 | 8.848E-01 | 2.321E-01 | 2.135E-01 | | 6.538E-01 | 8.494E-02 | 2.228E-02 | 2.050E-02 | |
| 1200 - 1300 | 3 | 6.810E+00 | 8.848E-01 | 2.321E-01 | 2.135E-01 | | 1.961E+00 | 2.548E-01 | 6.684E-02 | 6.149E-02 | |
| 1300 - 1400 | 1 | 6.810E+00 | 8.848E-01 | 2.321E-01 | 2.135E-01 | | 6.538E-01 | 8.494E-02 | 2.228E-02 | 2.050E-02 | |
| 1400 - 1500 | 1 | 6.810E+00 | 8.848E-01 | 2.321E-01 | 2.135E-01 | | 6.538E-01 | 8.494E-02 | 2.228E-02 | 2.050E-02 | |
| 1500 - 1600 | 2 | 6.810E+00 | 8.848E-01 | 2.321E-01 | 2.135E-01 | | 1.308E+00 | 1.699E-01 | 4.456E-02 | 4.099E-02 | |
| 1600 - 1700 | 2 | 6.810E+00 | 8.848E-01 | 2.321E-01 | 2.135E-01 | | 1.308E+00 | 1.699E-01 | 4.456E-02 | 4.099E-02 | |
| 1700 - 1800 | 2 | 6.810E+00 | 8.848E-01 | 2.321E-01 | 2.135E-01 | | 1.308E+00 | 1.699E-01 | 4.456E-02 | 4.099E-02 | |
| 1800 - 1900 | 1 | 6.810E+00 | 8.848E-01 | 2.321E-01 | 2.135E-01 | | 6.538E-01 | 8.494E-02 | 2.228E-02 | 2.050E-02 | |
| 1900 - 2000 | 2 | 6.810E+00 | 8.848E-01 | 2.321E-01 | 2.135E-01 | | 1.308E+00 | 1.699E-01 | 4.456E-02 | 4.099E-02 | |
| 2000 - 2100 | 2 | 6.810E+00 | 8.848E-01 | 2.321E-01 | 2.135E-01 | | 1.308E+00 | 1.699E-01 | 4.456E-02 | 4.099E-02 | |
| 2100 - 2200 | 2 | 6.810E+00 | 8.848E-01 | 2.321E-01 | 2.135E-01 | | 1.308E+00 | 1.699E-01 | 4.456E-02 | 4.099E-02 | |
| 2200 - 2300 | 0 | 6.810E+00 | 8.848E-01 | 2.321E-01 | 2.135E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2300 - 2400 | 7 | 6.810E+00 | 8.848E-01 | 2.321E-01 | 2.135E-01 | | 4.576E+00 | 5.946E-01 | 1.560E-01 | 1.435E-01 | |

**Idling Emission**

| | | |
|---|---|---|
| Idling Time for Non-terminating Buses = | 2 | min |

| Hour | Frequency | Double-Deck Franchised Bus | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Hot Idling Emission Factor (g/min) | | | | | Hot Idling Emission (g) | | | | |
| | | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP |
| 0000 - 0100 | 0 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0100 - 0200 | 0 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0200 - 0300 | 0 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0300 - 0400 | 0 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0400 - 0500 | 0 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0500 - 0600 | 0 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0600 - 0700 | 0 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0700 - 0800 | 0 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0800 - 0900 | 0 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0900 - 1000 | 0 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1000 - 1100 | 0 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1100 - 1200 | 0 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1200 - 1300 | 0 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1300 - 1400 | 0 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1400 - 1500 | 0 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1500 - 1600 | 0 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1600 - 1700 | 0 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1700 - 1800 | 0 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1800 - 1900 | 0 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1900 - 2000 | 0 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2000 - 2100 | 0 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2100 - 2200 | 0 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2200 - 2300 | 0 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2300 - 2400 | 7 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 8.477E-01 | 1.102E-01 | 7.605E-03 | 7.605E-03 | |

## Hung Shui Kiu (Hung Yuen Road) Bus PTI

**Total Hourly Emission**

| Hour | Emission Within PTI | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Total Emission (g) (Running + Idling + Starting) | | | | | Total Emission Rate (g/s) | | | | |
| | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP |
| 0000 - 0100 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0100 - 0200 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0200 - 0300 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0300 - 0400 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0400 - 0500 | 9.442E-01 | 1.238E-01 | 2.445E-02 | 2.267E-02 | | 2.623E-04 | 3.438E-05 | 6.793E-06 | 6.297E-06 | |
| 0500 - 0600 | 9.362E+00 | 1.231E+00 | 4.891E-02 | 4.534E-02 | | 2.601E-03 | 3.420E-04 | 1.359E-05 | 1.259E-05 | |
| 0600 - 0700 | 5.640E+00 | 7.389E-01 | 1.467E-01 | 1.360E-01 | | 1.567E-03 | 2.052E-04 | 4.076E-05 | 3.778E-05 | |
| 0700 - 0800 | 1.125E+01 | 1.473E+00 | 2.934E-01 | 2.720E-01 | | 3.125E-03 | 4.092E-04 | 8.151E-05 | 7.556E-05 | |
| 0800 - 0900 | 4.777E+00 | 6.272E-01 | 1.223E-01 | 1.133E-01 | | 1.327E-03 | 1.742E-04 | 3.396E-05 | 3.148E-05 | |
| 0900 - 1000 | 9.442E-01 | 1.238E-01 | 2.445E-02 | 2.267E-02 | | 2.623E-04 | 3.438E-05 | 6.793E-06 | 6.297E-06 | |
| 1000 - 1100 | 1.957E+00 | 2.578E-01 | 4.891E-02 | 4.534E-02 | | 5.436E-04 | 7.160E-05 | 1.359E-05 | 1.259E-05 | |
| 1100 - 1200 | 7.969E+00 | 1.040E+00 | 2.445E-02 | 2.267E-02 | | 2.214E-03 | 2.890E-04 | 6.793E-06 | 6.297E-06 | |
| 1200 - 1300 | 9.988E+00 | 1.307E+00 | 7.336E-02 | 6.800E-02 | | 2.775E-03 | 3.632E-04 | 2.038E-05 | 1.889E-05 | |
| 1300 - 1400 | 8.031E+00 | 1.050E+00 | 2.445E-02 | 2.267E-02 | | 2.231E-03 | 2.916E-04 | 6.793E-06 | 6.297E-06 | |
| 1400 - 1500 | 9.941E-01 | 1.312E-01 | 2.445E-02 | 2.267E-02 | | 2.761E-04 | 3.645E-05 | 6.793E-06 | 6.297E-06 | |
| 1500 - 1600 | 9.025E+00 | 1.181E+00 | 4.891E-02 | 4.534E-02 | | 2.507E-03 | 3.280E-04 | 1.359E-05 | 1.259E-05 | |
| 1600 - 1700 | 9.050E+00 | 1.185E+00 | 4.891E-02 | 4.534E-02 | | 2.514E-03 | 3.290E-04 | 1.359E-05 | 1.259E-05 | |
| 1700 - 1800 | 1.907E+00 | 2.503E-01 | 4.891E-02 | 4.534E-02 | | 5.298E-04 | 6.953E-05 | 1.359E-05 | 1.259E-05 | |
| 1800 - 1900 | 9.442E-01 | 1.238E-01 | 2.445E-02 | 2.267E-02 | | 2.623E-04 | 3.438E-05 | 6.793E-06 | 6.297E-06 | |
| 1900 - 2000 | 1.907E+00 | 2.503E-01 | 4.891E-02 | 4.534E-02 | | 5.298E-04 | 6.953E-05 | 1.359E-05 | 1.259E-05 | |
| 2000 - 2100 | 2.026E+00 | 2.680E-01 | 4.891E-02 | 4.534E-02 | | 5.627E-04 | 7.445E-05 | 1.359E-05 | 1.259E-05 | |
| 2100 - 2200 | 1.600E+01 | 2.090E+00 | 4.891E-02 | 4.534E-02 | | 4.444E-03 | 5.805E-04 | 1.359E-05 | 1.259E-05 | |
| 2200 - 2300 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2300 - 2400 | 6.535E+00 | 8.552E-01 | 1.712E-01 | 1.587E-01 | | 1.815E-03 | 2.375E-04 | 4.755E-05 | 4.408E-05 | |

Appendix 3.9 Emission Inventory for Emissions Associated with Bus and Minibus Termini, and Heavy Goods Vehicles and Coach Parking Sites

## Hung Shui Kiu (Hung Yuen Road) Bus PTI

**Starting Emission**

| | Starting Emission Factor (g/trip) | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | No. of Cold Starts of Double-Deck Franchised Bus | | | | | | | | | | | | | | | |
| Hour Sinting Time (min) | 5 | 10 | 20 | 30 | 40 | 50 | 60 | 120 | 180 | 240 | 300 | 360 | 420 | 480 | 540 | 600 | 660 | 720 |
| 0000 - 0100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0100 - 0200 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0200 - 0300 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0300 - 0400 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0400 - 0500 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0500 - 0600 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0600 - 0700 | 6 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0700 - 0800 | 12 | 7 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0800 - 0900 | 5 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0900 - 1000 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1000 - 1100 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1100 - 1200 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1200 - 1300 | 3 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1300 - 1400 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1400 - 1500 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1500 - 1600 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1600 - 1700 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1700 - 1800 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1800 - 1900 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1900 - 2000 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2000 - 2100 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2100 - 2200 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2200 - 2300 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2300 - 2400 | 7 | 5 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Remark

(1) Number of cold starts were derived based on on-site observations at the PTIs and operators' published schedules, while sitting time were obtained based on on-site observations at PTIs.

## Hung Shui Kiu (Hung Yuen Road) Bus PTI

**Cold Idling Emission**

| | | |
|---|---|---|
| Sitting Time for Terminating Buses = | 2 | min |
| Max. Idling Time for Adjusting Starting Emission = | 1 | min |

| Hour | Double-Deck Franchised Bus | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Frequency | Cold Idling Emission Factor (g/min) | | | | | | Cold Idling Emission (g) | | | | | | | | | | |
| | | NO | $NO_2$ | RSP | FSP | TSP | | NO | $NO_2$ | RSP | FSP | TSP | | | | | | |
| 0000 - 0100 | 0 | 3.656E+00 | 4.742E-01 | 1.096E-03 | | | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | | | | | | |
| 0100 - 0200 | 0 | 3.656E+00 | 4.742E-01 | 1.096E-03 | | | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | | | | | | |
| 0200 - 0300 | 0 | 3.656E+00 | 4.742E-01 | 1.096E-03 | | | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | | | | | | |
| 0300 - 0400 | 0 | 3.656E+00 | 4.742E-01 | 1.096E-03 | | | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | | | | | | |
| 0400 - 0500 | 1 | 3.656E+00 | 4.742E-01 | 1.096E-03 | | | | 7.296E-00 | 9.463E-01 | 2.172E-03 | | | | | | | | |
| 0500 - 0600 | 2 | 3.656E+00 | 4.742E-01 | 1.096E-03 | | | | 7.296E-00 | 9.463E-01 | 2.172E-03 | | | | | | | | |
| 0600 - 0700 | 6 | 3.656E+00 | 4.742E-01 | 1.096E-03 | | | | 7.296E-00 | 9.463E-01 | 2.172E-03 | | | | | | | | |
| 0700 - 0800 | 12 | 3.656E+00 | 4.742E-01 | 1.096E-03 | | | | 7.296E-00 | 9.463E-01 | 2.172E-03 | | | | | | | | |
| 0800 - 0900 | 5 | 3.656E+00 | 4.742E-01 | 1.096E-03 | | | | 7.296E-00 | 9.463E-01 | 2.172E-03 | | | | | | | | |
| 0900 - 1000 | 1 | 3.656E+00 | 4.742E-01 | 1.096E-03 | | | | 7.296E-00 | 9.463E-01 | 2.172E-03 | | | | | | | | |
| 1000 - 1100 | 2 | 3.656E+00 | 4.742E-01 | 1.096E-03 | | | | 7.296E-00 | 9.463E-01 | 2.172E-03 | | | | | | | | |
| 1100 - 1200 | 1 | 3.656E+00 | 4.742E-01 | 1.096E-03 | | | | 7.296E-00 | 9.463E-01 | 2.172E-03 | | | | | | | | |
| 1200 - 1300 | 3 | 3.656E+00 | 4.742E-01 | 1.096E-03 | | | | 7.296E-00 | 9.463E-01 | 2.172E-03 | | | | | | | | |
| 1300 - 1400 | 1 | 3.656E+00 | 4.742E-01 | 1.096E-03 | | | | 7.296E-00 | 9.463E-01 | 2.172E-03 | | | | | | | | |
| 1400 - 1500 | 1 | 3.656E+00 | 4.742E-01 | 1.096E-03 | | | | 7.296E-00 | 9.463E-01 | 2.172E-03 | | | | | | | | |
| 1500 - 1600 | 2 | 3.656E+00 | 4.742E-01 | 1.096E-03 | | | | 7.296E-00 | 9.463E-01 | 2.172E-03 | | | | | | | | |
| 1600 - 1700 | 2 | 3.656E+00 | 4.742E-01 | 1.096E-03 | | | | 7.296E-00 | 9.463E-01 | 2.172E-03 | | | | | | | | |
| 1700 - 1800 | 2 | 3.656E+00 | 4.742E-01 | 1.096E-03 | | | | 7.296E-00 | 9.463E-01 | 2.172E-03 | | | | | | | | |
| 1800 - 1900 | 1 | 3.656E+00 | 4.742E-01 | 1.096E-03 | | | | 7.296E-00 | 9.463E-01 | 2.172E-03 | | | | | | | | |
| 1900 - 2000 | 2 | 3.656E+00 | 4.742E-01 | 1.096E-03 | | | | 7.296E-00 | 9.463E-01 | 2.172E-03 | | | | | | | | |
| 2000 - 2100 | 2 | 3.656E+00 | 4.742E-01 | 1.096E-03 | | | | 7.296E-00 | 9.463E-01 | 2.172E-03 | | | | | | | | |
| 2100 - 2200 | 2 | 3.656E+00 | 4.742E-01 | 1.096E-03 | | | | 7.296E-00 | 9.463E-01 | 2.172E-03 | | | | | | | | |
| 2200 - 2300 | 0 | 3.656E+00 | 4.742E-01 | 1.096E-03 | | | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | | | | | | |
| 2300 - 2400 | 7 | 3.656E+00 | 4.742E-01 | 1.096E-03 | 1.509E-02 | | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | | | | | | |

| | | |
|---|---|---|
| Average Distance from Starting Place to PTI Egress = | 46 | m |
| Average Speed Distance outside PTI = | 6/64 | m |

| Hour | Starting Emission Rate Outside PTI (g/s) | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | NO | $NO_2$ | RSP | FSP | TSP | | | | | | | | | | | | | |
| 0000 - 0100 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | | | | | | | | | | | | | |
| 0100 - 0200 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | | | | | | | | | | | | | |
| 0200 - 0300 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | | | | | | | | | | | | | |
| 0300 - 0400 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | | | | | | | | | | | | | |
| 0400 - 0500 | 2.202E-03 | 3.213E-04 | 6.000E-06 | 6.000E-06 | | | | | | | | | | | | | | |
| 0500 - 0600 | 1.960E-03 | 1.336E-04 | 1.000E-05 | 1.000E-05 | | | | | | | | | | | | | | |
| 0600 - 0700 | 1.180E-03 | 1.002E-04 | 2.000E-05 | 2.000E-05 | | | | | | | | | | | | | | |
| 0700 - 0800 | 2.350E-03 | 1.992E-04 | 4.000E-05 | 4.000E-05 | | | | | | | | | | | | | | |
| 0800 - 0900 | 1.000E-03 | 1.671E-04 | 1.000E-05 | 1.000E-05 | | | | | | | | | | | | | | |
| 0900 - 1000 | 2.202E-04 | 3.213E-05 | 6.000E-06 | 6.000E-06 | | | | | | | | | | | | | | |
| 1000 - 1100 | 4.404E-04 | 6.426E-05 | 1.200E-05 | 1.200E-05 | | | | | | | | | | | | | | |
| 1100 - 1200 | 1.667E-03 | 2.432E-04 | 6.000E-06 | 6.000E-06 | | | | | | | | | | | | | | |
| 1200 - 1300 | 2.088E-03 | 3.047E-04 | 1.800E-05 | 1.800E-05 | | | | | | | | | | | | | | |
| 1300 - 1400 | 1.679E-03 | 2.449E-04 | 6.000E-06 | 6.000E-06 | | | | | | | | | | | | | | |
| 1400 - 1500 | 2.088E-04 | 3.047E-05 | 6.000E-06 | 6.000E-06 | | | | | | | | | | | | | | |
| 1500 - 1600 | 1.888E-03 | 2.755E-04 | 1.200E-05 | 1.200E-05 | | | | | | | | | | | | | | |
| 1600 - 1700 | 1.892E-03 | 2.761E-04 | 1.200E-05 | 1.200E-05 | | | | | | | | | | | | | | |
| 1700 - 1800 | 3.988E-04 | 5.820E-05 | 1.200E-05 | 1.200E-05 | | | | | | | | | | | | | | |
| 1800 - 1900 | 2.202E-04 | 3.213E-05 | 6.000E-06 | 6.000E-06 | | | | | | | | | | | | | | |
| 1900 - 2000 | 3.988E-04 | 5.820E-05 | 1.200E-05 | 1.200E-05 | | | | | | | | | | | | | | |
| 2000 - 2100 | 4.238E-04 | 6.185E-05 | 1.200E-05 | 1.200E-05 | | | | | | | | | | | | | | |
| 2100 - 2200 | 3.342E-03 | 4.877E-04 | 1.200E-05 | 1.200E-05 | | | | | | | | | | | | | | |
| 2200 - 2300 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | | | | | | | | | | | | | |
| 2300 - 2400 | 1.708E-03 | 1.589E-04 | 1.000E-05 | 1.000E-05 | | | | | | | | | | | | | | |

| Hour | Idling Emission (g) | | | | | | Emission for Adjusting Starting Emission (g) | | | | | | Adjusted Starting Emission Within PTI (g) | | | | | | Adjusted Starting Emission Outside PTI (g) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | NO | $NO_2$ | RSP | FSP | TSP | | NO | $NO_2$ | RSP | FSP | TSP | | NO | $NO_2$ | RSP | FSP | TSP | | NO | $NO_2$ | RSP | FSP | TSP |
| 0000 - 0100 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0100 - 0200 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0200 - 0300 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0300 - 0400 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0400 - 0500 | 2.423E-01 | 3.148E-02 | 2.172E-03 | 2.172E-03 | | | 2.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | | 2.423E-01 | 3.148E-02 | 2.172E-03 | 2.172E-03 | |
| 0500 - 0600 | 4.846E-01 | 6.296E-02 | 3.343E-03 | 4.343E-03 | | | 4.422E-01 | 3.148E-02 | 2.172E-03 | 2.172E-03 | | | 2.423E-01 | 3.148E-02 | 2.172E-03 | 2.172E-03 | | | 4.846E-01 | 6.296E-02 | 3.343E-03 | 4.343E-03 | |
| 0600 - 0700 | 2.423E-01 | 3.148E-02 | 2.172E-03 | 2.172E-03 | | | 2.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | | 2.423E-01 | 3.148E-02 | 2.172E-03 | 2.172E-03 | |
| 0700 - 0800 | 4.846E-01 | 6.296E-02 | 3.343E-03 | 4.343E-03 | | | 4.422E-01 | 3.148E-02 | 2.172E-03 | 2.172E-03 | | | 2.423E-01 | 3.148E-02 | 2.172E-03 | 2.172E-03 | | | 4.846E-01 | 6.296E-02 | 3.343E-03 | 4.343E-03 | |
| 0800 - 0900 | 2.423E-01 | 3.148E-02 | 2.172E-03 | 2.172E-03 | | | 2.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | | 2.423E-01 | 3.148E-02 | 2.172E-03 | 2.172E-03 | |
| 0900 - 1000 | 4.846E-01 | 6.296E-02 | 3.343E-03 | 4.343E-03 | | | 4.422E-01 | 3.148E-02 | 2.172E-03 | 2.172E-03 | | | 2.423E-01 | 3.148E-02 | 2.172E-03 | 2.172E-03 | | | 4.846E-01 | 6.296E-02 | 3.343E-03 | 4.343E-03 | |
| 1000 - 1100 | 2.423E-01 | 3.148E-02 | 2.172E-03 | 2.172E-03 | | | 2.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | | 2.423E-01 | 3.148E-02 | 2.172E-03 | 2.172E-03 | |
| 1100 - 1200 | 4.846E-01 | 6.296E-02 | 3.343E-03 | 4.343E-03 | | | 4.422E-01 | 3.148E-02 | 2.172E-03 | 2.172E-03 | | | 2.423E-01 | 3.148E-02 | 2.172E-03 | 2.172E-03 | | | 4.846E-01 | 6.296E-02 | 3.343E-03 | 4.343E-03 | |
| 1200 - 1300 | 2.423E-01 | 3.148E-02 | 2.172E-03 | 2.172E-03 | | | 2.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | | 2.423E-01 | 3.148E-02 | 2.172E-03 | 2.172E-03 | |
| 1300 - 1400 | 4.846E-01 | 6.296E-02 | 3.343E-03 | 4.343E-03 | | | 4.422E-01 | 3.148E-02 | 2.172E-03 | 2.172E-03 | | | 2.423E-01 | 3.148E-02 | 2.172E-03 | 2.172E-03 | | | 4.846E-01 | 6.296E-02 | 3.343E-03 | 4.343E-03 | |

## Hung Fuk Estate Bus PTI (Roadside)

**Running Emission**

| | | |
|---|---|---|
| Average Travelling Distance within PTI = | 35 | m |
| Average Travelling Speed = | 10 | km/h |

| Hour | Frequency | Double-Deck Franchised Bus | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Running Emission Factor (g/km·vehicle) | | | | | Running Emission Within PTI (g) | | | | | |
| | | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP |
| 0000 - 0100 | 0 | 6.810E+00 | 8.848E-01 | 2.321E-01 | 2.135E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0100 - 0200 | 0 | 6.810E+00 | 8.848E-01 | 2.321E-01 | 2.135E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0200 - 0300 | 0 | 6.810E+00 | 8.848E-01 | 2.321E-01 | 2.135E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0300 - 0400 | 0 | 6.810E+00 | 8.848E-01 | 2.321E-01 | 2.135E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0400 - 0500 | 0 | 6.810E+00 | 8.848E-01 | 2.321E-01 | 2.135E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0500 - 0600 | 0 | 6.810E+00 | 8.848E-01 | 2.321E-01 | 2.135E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0600 - 0700 | 2 | 6.810E+00 | 8.848E-01 | 2.321E-01 | 2.135E-01 | | 4.767E-01 | 6.194E-02 | 1.625E-02 | 1.495E-02 | |
| 0700 - 0800 | 19 | 6.810E+00 | 8.848E-01 | 2.321E-01 | 2.135E-01 | | 4.529E+00 | 5.884E-01 | 1.543E-01 | 1.420E-01 | |
| 0800 - 0900 | 5 | 6.810E+00 | 8.848E-01 | 2.321E-01 | 2.135E-01 | | 1.192E+00 | 1.548E-01 | 4.062E-02 | 3.736E-02 | |
| 0900 - 1000 | 5 | 6.810E+00 | 8.848E-01 | 2.321E-01 | 2.135E-01 | | 1.192E+00 | 1.548E-01 | 4.062E-02 | 3.736E-02 | |
| 1000 - 1100 | 3 | 6.810E+00 | 8.848E-01 | 2.321E-01 | 2.135E-01 | | 7.151E-01 | 9.290E-02 | 2.437E-02 | 2.242E-02 | |
| 1100 - 1200 | 3 | 6.810E+00 | 8.848E-01 | 2.321E-01 | 2.135E-01 | | 7.151E-01 | 9.290E-02 | 2.437E-02 | 2.242E-02 | |
| 1200 - 1300 | 1 | 6.810E+00 | 8.848E-01 | 2.321E-01 | 2.135E-01 | | 2.384E-01 | 3.097E-02 | 8.124E-03 | 7.473E-03 | |
| 1300 - 1400 | 0 | 6.810E+00 | 8.848E-01 | 2.321E-01 | 2.135E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1400 - 1500 | 4 | 6.810E+00 | 8.848E-01 | 2.321E-01 | 2.135E-01 | | 9.534E-01 | 1.239E-01 | 3.249E-02 | 2.989E-02 | |
| 1500 - 1600 | 3 | 6.810E+00 | 8.848E-01 | 2.321E-01 | 2.135E-01 | | 7.151E-01 | 9.290E-02 | 2.437E-02 | 2.242E-02 | |
| 1600 - 1700 | 0 | 6.810E+00 | 8.848E-01 | 2.321E-01 | 2.135E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1700 - 1800 | 1 | 6.810E+00 | 8.848E-01 | 2.321E-01 | 2.135E-01 | | 2.384E-01 | 3.097E-02 | 8.124E-03 | 7.473E-03 | |
| 1800 - 1900 | 1 | 6.810E+00 | 8.848E-01 | 2.321E-01 | 2.135E-01 | | 2.384E-01 | 3.097E-02 | 8.124E-03 | 7.473E-03 | |
| 1900 - 2000 | 5 | 6.810E+00 | 8.848E-01 | 2.321E-01 | 2.135E-01 | | 1.192E+00 | 1.548E-01 | 4.062E-02 | 3.736E-02 | |
| 2000 - 2100 | 7 | 6.810E+00 | 8.848E-01 | 2.321E-01 | 2.135E-01 | | 1.668E+00 | 2.168E-01 | 5.686E-02 | 5.231E-02 | |
| 2100 - 2200 | 3 | 6.810E+00 | 8.848E-01 | 2.321E-01 | 2.135E-01 | | 7.151E-01 | 9.290E-02 | 2.437E-02 | 2.242E-02 | |
| 2200 - 2300 | 3 | 6.810E+00 | 8.848E-01 | 2.321E-01 | 2.135E-01 | | 7.151E-01 | 9.290E-02 | 2.437E-02 | 2.242E-02 | |
| 2300 - 2400 | 8 | 6.810E+00 | 8.848E-01 | 2.321E-01 | 2.135E-01 | | 1.907E+00 | 2.477E-01 | 6.499E-02 | 5.978E-02 | |

**Idling Emission**

| | | |
|---|---|---|
| Idling Time for Non-terminating Buses = | 6 | min |

| Hour | Frequency | Double-Deck Franchised Bus | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Hot Idling Emission Factor (g/min) | | | | | Hot Idling Emission (g) | | | | |
| | | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP |
| 0000 - 0100 | 0 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0100 - 0200 | 0 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0200 - 0300 | 0 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0300 - 0400 | 0 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0400 - 0500 | 0 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0500 - 0600 | 0 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0600 - 0700 | 2 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 1.454E+00 | 1.889E-01 | 1.303E-02 | 1.303E-02 | |
| 0700 - 0800 | 10 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 7.269E+00 | 9.444E-01 | 6.515E-02 | 6.515E-02 | |
| 0800 - 0900 | 3 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 2.181E+00 | 2.833E-01 | 1.954E-02 | 1.954E-02 | |
| 0900 - 1000 | 1 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 7.269E-01 | 9.444E-02 | 6.515E-03 | 6.515E-03 | |
| 1000 - 1100 | 1 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 7.269E-01 | 9.444E-02 | 6.515E-03 | 6.515E-03 | |
| 1100 - 1200 | 0 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1200 - 1300 | 1 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 7.269E-01 | 9.444E-02 | 6.515E-03 | 6.515E-03 | |
| 1300 - 1400 | 0 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1400 - 1500 | 2 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 1.454E+00 | 1.889E-01 | 1.303E-02 | 1.303E-02 | |
| 1500 - 1600 | 3 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 2.181E+00 | 2.833E-01 | 1.954E-02 | 1.954E-02 | |
| 1600 - 1700 | 0 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1700 - 1800 | 0 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1800 - 1900 | 0 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1900 - 2000 | 4 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 2.908E+00 | 3.778E-01 | 2.606E-02 | 2.606E-02 | |
| 2000 - 2100 | 7 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 5.088E+00 | 6.611E-01 | 4.560E-02 | 4.560E-02 | |
| 2100 - 2200 | 3 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 2.181E+00 | 2.833E-01 | 1.954E-02 | 1.954E-02 | |
| 2200 - 2300 | 3 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 2.181E+00 | 2.833E-01 | 1.954E-02 | 1.954E-02 | |
| 2300 - 2400 | 8 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 5.815E+00 | 7.555E-01 | 5.212E-02 | 5.212E-02 | |

## Hung Fuk Estate Bus PTI (Roadside)

**Total Hourly Emission**

| Hour | Emission Within PTI | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Total Emission (g) (Running + Idling + Starting) | | | | | Total Emission Rate (g/s) | | | | |
| | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP |
| 0000 - 0100 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0100 - 0200 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0200 - 0300 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0300 - 0400 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0400 - 0500 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0500 - 0600 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0600 - 0700 | 1.930E+00 | 2.508E-01 | 2.928E-02 | 2.797E-02 | | 5.362E-04 | 6.967E-05 | 8.132E-06 | 7.771E-06 | |
| 0700 - 0800 | 1.410E+01 | 1.835E+00 | 2.390E-01 | 2.267E-01 | | 3.916E-03 | 5.096E-04 | 6.640E-05 | 6.296E-05 | |
| 0800 - 0900 | 3.918E+00 | 5.103E-01 | 6.451E-02 | 6.125E-02 | | 1.088E-03 | 1.418E-04 | 1.792E-05 | 1.701E-05 | |
| 0900 - 1000 | 2.996E+00 | 3.916E-01 | 5.582E-02 | 5.256E-02 | | 8.322E-04 | 1.088E-04 | 1.551E-05 | 1.460E-05 | |
| 1000 - 1100 | 1.960E+00 | 2.554E-01 | 3.523E-02 | 3.328E-02 | | 5.444E-04 | 7.094E-05 | 9.786E-06 | 9.243E-06 | |
| 1100 - 1200 | 1.562E+01 | 2.034E+00 | 3.089E-02 | 2.893E-02 | | 4.340E-03 | 5.651E-04 | 8.579E-06 | 8.037E-06 | |
| 1200 - 1300 | 9.652E-01 | 1.254E-01 | 1.464E-02 | 1.399E-02 | | 2.681E-04 | 3.484E-05 | 4.066E-06 | 3.885E-06 | |
| 1300 - 1400 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1400 - 1500 | 1.004E+01 | 1.308E+00 | 4.987E-02 | 4.726E-02 | | 2.789E-03 | 3.634E-04 | 1.385E-05 | 1.313E-05 | |
| 1500 - 1600 | 2.896E+00 | 3.762E-01 | 4.391E-02 | 4.196E-02 | | 8.044E-04 | 1.045E-04 | 1.220E-05 | 1.166E-05 | |
| 1600 - 1700 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1700 - 1800 | 5.054E-01 | 6.619E-02 | 1.030E-02 | 9.644E-03 | | 1.404E-04 | 1.839E-05 | 2.860E-06 | 2.679E-06 | |
| 1800 - 1900 | 5.169E-01 | 6.791E-02 | 1.030E-02 | 9.644E-03 | | 1.436E-04 | 1.886E-05 | 2.860E-06 | 2.679E-06 | |
| 1900 - 2000 | 4.366E+00 | 5.678E-01 | 6.885E-02 | 6.559E-02 | | 1.213E-03 | 1.577E-04 | 1.912E-05 | 1.822E-05 | |
| 2000 - 2100 | 6.757E+00 | 8.779E-01 | 1.025E-01 | 9.791E-02 | | 1.877E-03 | 2.438E-04 | 2.846E-05 | 2.720E-05 | |
| 2100 - 2200 | 2.896E+00 | 3.762E-01 | 4.391E-02 | 4.196E-02 | | 8.044E-04 | 1.045E-04 | 1.220E-05 | 1.166E-05 | |
| 2200 - 2300 | 2.896E+00 | 3.762E-01 | 4.391E-02 | 4.196E-02 | | 8.044E-04 | 1.045E-04 | 1.220E-05 | 1.166E-05 | |
| 2300 - 2400 | 7.722E+00 | 1.003E+00 | 1.171E-01 | 1.119E-01 | | 2.145E-03 | 2.787E-04 | 3.253E-05 | 3.108E-05 | |



## Hung Fuk Estate Bus PTI (Roadside)

**Starting Emission**

| | Starting Emission Factor (g/trip) | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | No. of Cold Starts of Double-Deck Franchised Bus | | | | | | | | | | | | | | | | | | | | | | | |
| Hour Sitting Time (min) | 5 | 10 | 20 | 30 | 40 | 50 | 60 | 120 | 180 | 240 | 300 | 360 | 420 | 480 | 540 | 600 | 660 | 720 |
| 0000 - 0100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0100 - 0200 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0200 - 0300 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0300 - 0400 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0400 - 0500 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0500 - 0600 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0600 - 0700 | 5 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0700 - 0800 | 19 | 7 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0800 - 0900 | 5 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0900 - 1000 | 5 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1000 - 1100 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1100 - 1200 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1200 - 1300 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1300 - 1400 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1400 - 1500 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1500 - 1600 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1600 - 1700 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1700 - 1800 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1800 - 1900 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1900 - 2000 | 5 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2000 - 2100 | 7 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2100 - 2200 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2200 - 2300 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2300 - 2400 | 8 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Remark

(1) Number of cold starts were derived based on on-site observations at the PTIs and operators' published schedules, while sitting time were obtained based on on-site observations at PTIs.

## Hung Fuk Estate Bus PTI (Roadside)

**Cold Idling Emission**

| | | |
|---|---|---|
| Idling Time for Terminating Buses = | 2 | min |
| Idle Idling Time for Adjusting Starting Emission = | 1 | min |

| Hour | Double-Deck Franchised Bus | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Cold Idling Emission Factor (g/min) | | | | | Cold Idling Emission (g) | | | | | Starting Emission Rate Outside PTI (g/s) | | | | | Starting Emission Outside PTI (g/s) | | |
| | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP |
| 0000 - 0100 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0100 - 0200 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0200 - 0300 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0300 - 0400 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0400 - 0500 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0500 - 0600 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0600 - 0700 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 6.055E-01 | 7.869E-02 | 5.430E-03 | 5.430E-03 | | 1.296E-04 | 1.685E-05 | 1.163E-06 | 1.163E-06 | | 7.776E-04 | 1.011E-04 | 6.978E-06 | 6.978E-06 | |
| 0700 - 0800 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 2.422E+00 | 3.147E-01 | 2.172E-02 | 2.172E-02 | | 5.188E-04 | 6.744E-05 | 4.654E-06 | 4.654E-06 | | 3.112E-03 | 4.046E-04 | 2.792E-05 | 2.792E-05 | |
| 0800 - 0900 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 6.055E-01 | 7.869E-02 | 5.430E-03 | 5.430E-03 | | 1.296E-04 | 1.685E-05 | 1.163E-06 | 1.163E-06 | | 7.776E-04 | 1.011E-04 | 6.978E-06 | 6.978E-06 | |
| 0900 - 1000 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 1.211E+00 | 1.574E-01 | 1.086E-02 | 1.086E-02 | | 2.593E-04 | 3.370E-05 | 2.326E-06 | 2.326E-06 | | 1.556E-03 | 2.022E-04 | 1.396E-05 | 1.396E-05 | |
| 1000 - 1100 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 1.211E+00 | 1.574E-01 | 1.086E-02 | 1.086E-02 | | 2.593E-04 | 3.370E-05 | 2.326E-06 | 2.326E-06 | | 1.556E-03 | 2.022E-04 | 1.396E-05 | 1.396E-05 | |
| 1100 - 1200 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 2.422E+00 | 3.147E-01 | 2.172E-02 | 2.172E-02 | | 5.188E-04 | 6.744E-05 | 4.654E-06 | 4.654E-06 | | 3.112E-03 | 4.046E-04 | 2.792E-05 | 2.792E-05 | |
| 1200 - 1300 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 1.211E+00 | 1.574E-01 | 1.086E-02 | 1.086E-02 | | 2.593E-04 | 3.370E-05 | 2.326E-06 | 2.326E-06 | | 1.556E-03 | 2.022E-04 | 1.396E-05 | 1.396E-05 | |
| 1300 - 1400 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1400 - 1500 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 2.422E+00 | 3.147E-01 | 2.172E-02 | 2.172E-02 | | 5.188E-04 | 6.744E-05 | 4.654E-06 | 4.654E-06 | | 3.112E-03 | 4.046E-04 | 2.792E-05 | 2.792E-05 | |
| 1500 - 1600 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 3.633E+00 | 4.721E-01 | 3.258E-02 | 3.258E-02 | | 7.776E-04 | 1.011E-04 | 6.978E-06 | 6.978E-06 | | 4.667E-03 | 6.067E-04 | 4.187E-05 | 4.187E-05 | |
| 1600 - 1700 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1700 - 1800 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 1.211E+00 | 1.574E-01 | 1.086E-02 | 1.086E-02 | | 2.593E-04 | 3.370E-05 | 2.326E-06 | 2.326E-06 | | 1.556E-03 | 2.022E-04 | 1.396E-05 | 1.396E-05 | |
| 1800 - 1900 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 1.211E+00 | 1.574E-01 | 1.086E-02 | 1.086E-02 | | 2.593E-04 | 3.370E-05 | 2.326E-06 | 2.326E-06 | | 1.556E-03 | 2.022E-04 | 1.396E-05 | 1.396E-05 | |
| 1900 - 2000 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 2.422E+00 | 3.147E-01 | 2.172E-02 | 2.172E-02 | | 5.188E-04 | 6.744E-05 | 4.654E-06 | 4.654E-06 | | 3.112E-03 | 4.046E-04 | 2.792E-05 | 2.792E-05 | |
| 2000 - 2100 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 3.633E+00 | 4.721E-01 | 3.258E-02 | 3.258E-02 | | 7.776E-04 | 1.011E-04 | 6.978E-06 | 6.978E-06 | | 4.667E-03 | 6.067E-04 | 4.187E-05 | 4.187E-05 | |
| 2100 - 2200 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 1.211E+00 | 1.574E-01 | 1.086E-02 | 1.086E-02 | | 2.593E-04 | 3.370E-05 | 2.326E-06 | 2.326E-06 | | 1.556E-03 | 2.022E-04 | 1.396E-05 | 1.396E-05 | |
| 2200 - 2300 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 1.211E+00 | 1.574E-01 | 1.086E-02 | 1.086E-02 | | 2.593E-04 | 3.370E-05 | 2.326E-06 | 2.326E-06 | | 1.556E-03 | 2.022E-04 | 1.396E-05 | 1.396E-05 | |
| 2300 - 2400 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 2.422E+00 | 3.147E-01 | 2.172E-02 | 2.172E-02 | | 5.188E-04 | 6.744E-05 | 4.654E-06 | 4.654E-06 | | 3.112E-03 | 4.046E-04 | 2.792E-05 | 2.792E-05 | |

| | | |
|---|---|---|
| Average Distance from Starting Place to PTI Egress = | 17 | m |
| Average Speed Distance outside PTI = | 683 | m |

| Hour | Emission for Adjusting Starting Emission (g) | | | | | | | | | | Adjusted Starting Emission Within PTI (g) | | | | | Adjusted Starting Emission Outside PTI (g) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Idling Emission (g) | | | | | Cold Idling Emission (g) | | | | | Hot Idling Emission Factor (g/min) | | | | | | | | | |
| | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP | Frequency | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP |
| 0000 - 0100 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0100 - 0200 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0200 - 0300 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0300 - 0400 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0400 - 0500 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0500 - 0600 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0600 - 0700 | 1.296E-04 | 1.685E-05 | 1.163E-06 | 1.163E-06 | | 1.296E-04 | 1.685E-05 | 1.163E-06 | 1.163E-06 | | 1 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 1.296E-04 | 1.685E-05 | 1.163E-06 | 1.163E-06 | |
| 0700 - 0800 | 5.188E-04 | 6.744E-05 | 4.654E-06 | 4.654E-06 | | 2.422E-01 | 3.146E-02 | 2.172E-03 | 2.172E-03 | | 10 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 5.188E-04 | 6.744E-05 | 4.654E-06 | 4.654E-06 | |
| 0800 - 0900 | 1.296E-04 | 1.685E-05 | 1.163E-06 | 1.163E-06 | | 6.055E-01 | 7.869E-02 | 5.430E-03 | 5.430E-03 | | 3 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 1.296E-04 | 1.685E-05 | 1.163E-06 | 1.163E-06 | |
| 0900 - 1000 | 2.593E-04 | 3.370E-05 | 2.326E-06 | 2.326E-06 | | 1.211E-01 | 1.574E-02 | 1.086E-02 | 1.086E-02 | | 1 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 2.593E-04 | 3.370E-05 | 2.326E-06 | 2.326E-06 | |
| 1000 - 1100 | 2.593E-04 | 3.370E-05 | 2.326E-06 | 2.326E-06 | | 1.211E-01 | 1.574E-02 | 1.086E-02 | 1.086E-02 | | 1 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 2.593E-04 | 3.370E-05 | 2.326E-06 | 2.326E-06 | |
| 1100 - 1200 | 5.188E-04 | 6.744E-05 | 4.654E-06 | 4.654E-06 | | 2.422E-01 | 3.146E-02 | 2.172E-03 | 2.172E-03 | | 3 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-

## Hung Fuk Estate Bus PTI

**Running Emission**

| | | |
|---|---|---|
| Average Travelling Distance within PTI = | 93 | m |
| Average Travelling Speed = | 10 | km/h |

| Hour | Frequency | Double-Deck Franchised Bus | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Running Emission Factor (g/km·vehicle) | | | | | Running Emission Within PTI (g) | | | | |
| | | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP |
| 0000 - 0100 | 2 | 6.810E+00 | 8.848E-01 | 2.321E-01 | 2.135E-01 | | 1.267E+00 | 1.646E-01 | 4.317E-02 | 3.971E-02 | |
| 0100 - 0200 | 3 | 6.810E+00 | 8.848E-01 | 2.321E-01 | 2.135E-01 | | 1.900E+00 | 2.469E-01 | 6.476E-02 | 5.957E-02 | |
| 0200 - 0300 | 0 | 6.810E+00 | 8.848E-01 | 2.321E-01 | 2.135E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0300 - 0400 | 0 | 6.810E+00 | 8.848E-01 | 2.321E-01 | 2.135E-01 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0400 - 0500 | 1 | 6.810E+00 | 8.848E-01 | 2.321E-01 | 2.135E-01 | | 6.333E-01 | 8.229E-02 | 2.159E-02 | 1.986E-02 | |
| 0500 - 0600 | 7 | 6.810E+00 | 8.848E-01 | 2.321E-01 | 2.135E-01 | | 4.433E+00 | 5.760E-01 | 1.511E-01 | 1.390E-01 | |
| 0600 - 0700 | 15 | 6.810E+00 | 8.848E-01 | 2.321E-01 | 2.135E-01 | | 9.500E+00 | 1.234E+00 | 3.238E-01 | 2.978E-01 | |
| 0700 - 0800 | 20 | 6.810E+00 | 8.848E-01 | 2.321E-01 | 2.135E-01 | | 1.267E+01 | 1.646E+00 | 4.317E-01 | 3.971E-01 | |
| 0800 - 0900 | 15 | 6.810E+00 | 8.848E-01 | 2.321E-01 | 2.135E-01 | | 9.500E+00 | 1.234E+00 | 3.238E-01 | 2.978E-01 | |
| 0900 - 1000 | 12 | 6.810E+00 | 8.848E-01 | 2.321E-01 | 2.135E-01 | | 7.600E+00 | 9.874E-01 | 2.590E-01 | 2.383E-01 | |
| 1000 - 1100 | 16 | 6.810E+00 | 8.848E-01 | 2.321E-01 | 2.135E-01 | | 1.013E+01 | 1.317E+00 | 3.454E-01 | 3.177E-01 | |
| 1100 - 1200 | 17 | 6.810E+00 | 8.848E-01 | 2.321E-01 | 2.135E-01 | | 1.077E+01 | 1.399E+00 | 3.670E-01 | 3.375E-01 | |
| 1200 - 1300 | 10 | 6.810E+00 | 8.848E-01 | 2.321E-01 | 2.135E-01 | | 6.333E+00 | 8.229E-01 | 2.159E-01 | 1.986E-01 | |
| 1300 - 1400 | 12 | 6.810E+00 | 8.848E-01 | 2.321E-01 | 2.135E-01 | | 7.600E+00 | 9.874E-01 | 2.590E-01 | 2.383E-01 | |
| 1400 - 1500 | 15 | 6.810E+00 | 8.848E-01 | 2.321E-01 | 2.135E-01 | | 9.500E+00 | 1.234E+00 | 3.238E-01 | 2.978E-01 | |
| 1500 - 1600 | 10 | 6.810E+00 | 8.848E-01 | 2.321E-01 | 2.135E-01 | | 6.333E+00 | 8.229E-01 | 2.159E-01 | 1.986E-01 | |
| 1600 - 1700 | 13 | 6.810E+00 | 8.848E-01 | 2.321E-01 | 2.135E-01 | | 8.234E+00 | 1.070E+00 | 2.806E-01 | 2.581E-01 | |
| 1700 - 1800 | 15 | 6.810E+00 | 8.848E-01 | 2.321E-01 | 2.135E-01 | | 9.500E+00 | 1.234E+00 | 3.238E-01 | 2.978E-01 | |
| 1800 - 1900 | 12 | 6.810E+00 | 8.848E-01 | 2.321E-01 | 2.135E-01 | | 7.600E+00 | 9.874E-01 | 2.590E-01 | 2.383E-01 | |
| 1900 - 2000 | 13 | 6.810E+00 | 8.848E-01 | 2.321E-01 | 2.135E-01 | | 8.234E+00 | 1.070E+00 | 2.806E-01 | 2.581E-01 | |
| 2000 - 2100 | 13 | 6.810E+00 | 8.848E-01 | 2.321E-01 | 2.135E-01 | | 8.234E+00 | 1.070E+00 | 2.806E-01 | 2.581E-01 | |
| 2100 - 2200 | 7 | 6.810E+00 | 8.848E-01 | 2.321E-01 | 2.135E-01 | | 4.433E+00 | 5.760E-01 | 1.511E-01 | 1.390E-01 | |
| 2200 - 2300 | 11 | 6.810E+00 | 8.848E-01 | 2.321E-01 | 2.135E-01 | | 6.967E+00 | 9.052E-01 | 2.374E-01 | 2.184E-01 | |
| 2300 - 2400 | 10 | 6.810E+00 | 8.848E-01 | 2.321E-01 | 2.135E-01 | | 6.333E+00 | 8.229E-01 | 2.159E-01 | 1.986E-01 | |

**Idling Emission**

| | | |
|---|---|---|
| Idling Time for Non-terminating Buses = | 2 | min |

| Hour | Frequency | Double-Deck Franchised Bus | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Hot Idling Emission Factor (g/min) | | | | | Hot Idling Emission (g) | | | | |
| | | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP |
| 0000 - 0100 | 0 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0100 - 0200 | 0 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0200 - 0300 | 0 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0300 - 0400 | 0 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0400 - 0500 | 0 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0500 - 0600 | 0 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0600 - 0700 | 4 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 9.692E-01 | 1.259E-01 | 8.686E-03 | 8.686E-03 | |
| 0700 - 0800 | 1 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 2.423E-01 | 3.148E-02 | 2.172E-03 | 2.172E-03 | |
| 0800 - 0900 | 0 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0900 - 1000 | 0 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1000 - 1100 | 0 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1100 - 1200 | 0 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1200 - 1300 | 0 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1300 - 1400 | 0 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1400 - 1500 | 0 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1500 - 1600 | 0 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1600 - 1700 | 0 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1700 - 1800 | 0 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1800 - 1900 | 0 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1900 - 2000 | 1 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 2.423E-01 | 3.148E-02 | 2.172E-03 | 2.172E-03 | |
| 2000 - 2100 | 1 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 2.423E-01 | 3.148E-02 | 2.172E-03 | 2.172E-03 | |
| 2100 - 2200 | 0 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2200 - 2300 | 0 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2300 - 2400 | 1 | 1.211E-01 | 1.574E-02 | 1.086E-03 | 1.086E-03 | | 2.423E-01 | 3.148E-02 | 2.172E-03 | 2.172E-03 | |

## Hung Fuk Estate Bus PTI

**Total Hourly Emission**

| Hour | Emission Within PTI | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | Total Emission (g) (Running + Idling + Starting) | | | | | Total Emission Rate (g/s) | | | | |
| | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP |
| 0000 - 0100 | 2.060E+00 | 2.693E-01 | 4.969E-02 | 4.623E-02 | | 5.723E-04 | 7.479E-05 | 1.380E-05 | 1.284E-05 | |
| 0100 - 0200 | 3.102E+00 | 4.056E-01 | 7.453E-02 | 6.934E-02 | | 8.617E-04 | 1.127E-04 | 2.070E-05 | 1.926E-05 | |
| 0200 - 0300 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0300 - 0400 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0400 - 0500 | 1.193E+01 | 1.561E+00 | 2.484E-02 | 2.311E-02 | | 3.314E-03 | 4.336E-04 | 6.901E-06 | 6.420E-06 | |
| 0500 - 0600 | 2.916E+01 | 3.817E+00 | 1.739E-01 | 1.618E-01 | | 8.099E-03 | 1.060E-03 | 4.831E-05 | 4.494E-05 | |
| 0600 - 0700 | 2.569E+01 | 3.355E+00 | 3.683E-01 | 3.424E-01 | | 7.135E-03 | 9.320E-04 | 1.023E-04 | 9.510E-05 | |
| 0700 - 0800 | 2.064E+01 | 2.700E+00 | 4.958E-01 | 4.612E-01 | | 5.734E-03 | 7.501E-04 | 1.377E-04 | 1.281E-04 | |
| 0800 - 0900 | 1.570E+01 | 2.057E+00 | 3.726E-01 | 3.467E-01 | | 4.362E-03 | 5.714E-04 | 1.035E-04 | 9.630E-05 | |
| 0900 - 1000 | 1.254E+01 | 1.643E+00 | 2.981E-01 | 2.774E-01 | | 3.484E-03 | 4.563E-04 | 8.281E-05 | 7.704E-05 | |
| 1000 - 1100 | 4.860E+01 | 6.347E+00 | 3.975E-01 | 3.698E-01 | | 1.350E-02 | 1.763E-03 | 1.104E-04 | 1.027E-04 | |
| 1100 - 1200 | 7.072E+01 | 9.228E+00 | 4.223E-01 | 3.929E-01 | | 1.964E-02 | 2.563E-03 | 1.173E-04 | 1.091E-04 | |
| 1200 - 1300 | 4.212E+01 | 5.495E+00 | 2.484E-01 | 2.311E-01 | | 1.170E-02 | 1.526E-03 | 6.901E-05 | 6.420E-05 | |
| 1300 - 1400 | 4.440E+01 | 5.796E+00 | 2.981E-01 | 2.774E-01 | | 1.233E-02 | 1.610E-03 | 8.281E-05 | 7.704E-05 | |
| 1400 - 1500 | 2.632E+01 | 3.441E+00 | 3.726E-01 | 3.467E-01 | | 7.312E-03 | 9.560E-04 | 1.035E-04 | 9.630E-05 | |
| 1500 - 1600 | 1.043E+01 | 1.365E+00 | 2.484E-01 | 2.311E-01 | | 2.897E-03 | 3.793E-04 | 6.901E-05 | 6.420E-05 | |
| 1600 - 1700 | 1.357E+01 | 1.776E+00 | 3.230E-01 | 3.005E-01 | | 3.769E-03 | 4.934E-04 | 8.971E-05 | 8.346E-05 | |
| 1700 - 1800 | 2.626E+01 | 3.432E+00 | 3.726E-01 | 3.467E-01 | | 7.294E-03 | 9.533E-04 | 1.035E-04 | 9.630E-05 | |
| 1800 - 1900 | 1.266E+01 | 1.661E+00 | 2.981E-01 | 2.774E-01 | | 3.518E-03 | 4.613E-04 | 8.281E-05 | 7.704E-05 | |
| 1900 - 2000 | 1.361E+01 | 1.785E+00 | 3.219E-01 | 2.994E-01 | | 3.781E-03 | 4.958E-04 | 8.941E-05 | 8.316E-05 | |
| 2000 - 2100 | 1.363E+01 | 1.788E+00 | 3.219E-01 | 2.994E-01 | | 3.786E-03 | 4.966E-04 | 8.941E-05 | 8.316E-05 | |
| 2100 - 2200 | 2.846E+01 | 3.713E+00 | 1.739E-01 | 1.618E-01 | | 7.906E-03 | 1.031E-03 | 4.831E-05 | 4.494E-05 | |
| 2200 - 2300 | 8.530E+01 | 1.112E+01 | 2.733E-01 | 2.542E-01 | | 2.369E-02 | 3.088E-03 | 7.591E-05 | 7.062E-05 | |
| 2300 - 2400 | 6.333E+01 | 8.260E+00 | 2.473E-01 | 2.300E-01 | | 1.759E-02 | 2.295E-03 | 6.871E-05 | 6.390E-05 | |

Appendix 3.9 Emission Inventory for Emissions Associated with Bus and Minibus Termini, and Heavy Goods Vehicles and Coach Parking Sites

## Hung Fuk Estate Bus PTI

**Starting Emission**

| | Starting Emission Factor (g/trip) | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | No. of Cold Starts of Double-Deck Franchised Bus | | | | | | | | | | | | | | | | | | | | | | | |
| Hour | 5 | 10 | 20 | 30 | 40 | 50 | 60 | 120 | 180 | 240 | 300 | 360 | 420 | 480 | 540 | 600 | 660 | 720 |
| Soaking Time (min) | | | | | | | | | | | | | | | | | | |
| 0000 - 0100 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0100 - 0200 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0200 - 0300 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0300 - 0400 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0400 - 0500 | 1 | 3 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0500 - 0600 | 1 | 3 | 3 | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0600 - 0700 | 2 | 9 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0700 - 0800 | 4 | 5 | 7 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0800 - 0900 | 1 | 6 | 6 | 4 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 0900 - 1000 | 2 | 2 | 4 | 3 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1000 - 1100 | 2 | 3 | 2 | 2 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1100 - 1200 | 3 | 7 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1200 - 1300 | 3 | 4 | 2 | 3 | 2 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1300 - 1400 | 4 | 2 | 3 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1400 - 1500 | 1 | 3 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1500 - 1600 | 2 | 2 | 7 | 2 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1600 - 1700 | 1 | 3 | 8 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1700 - 1800 | 1 | 4 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1800 - 1900 | 0 | 3 | 6 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 1900 - 2000 | 0 | 3 | 7 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2000 - 2100 | 0 | 3 | 7 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2100 - 2200 | 0 | 3 | 4 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2200 - 2300 | 2 | 3 | 6 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 2300 - 2400 | 2 | 2 | 7 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Remark:
[1] Number of cold starts were derived based on on-site observations at the PTIs and operators' published schedules, while sitting time were obtained based on on-site observations at PTIs.

## Hung Fuk Estate Bus PTI

**Cold Idling Emission**

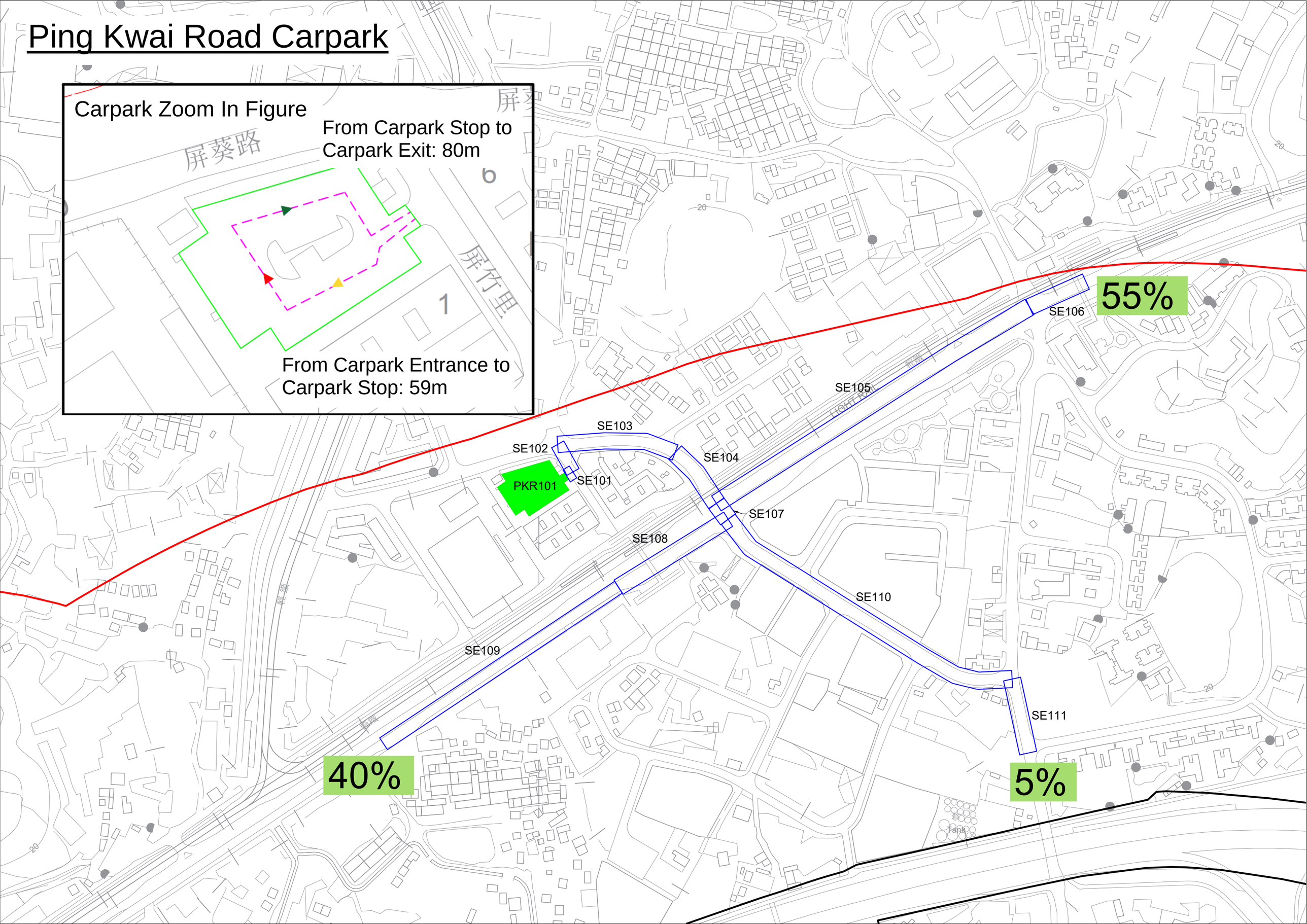
| | | |
|---|---|---|
| Idling Time for Terminating Buses = | 3 | min |
| Max. Idling Time for Adjusting Starting Emission = | 1 | min |

| Average Distance from Starting Place to PTI Egress = | 43 | m |
|---|---|---|
| Average Travel Distance outside PTI = | 657 | m |

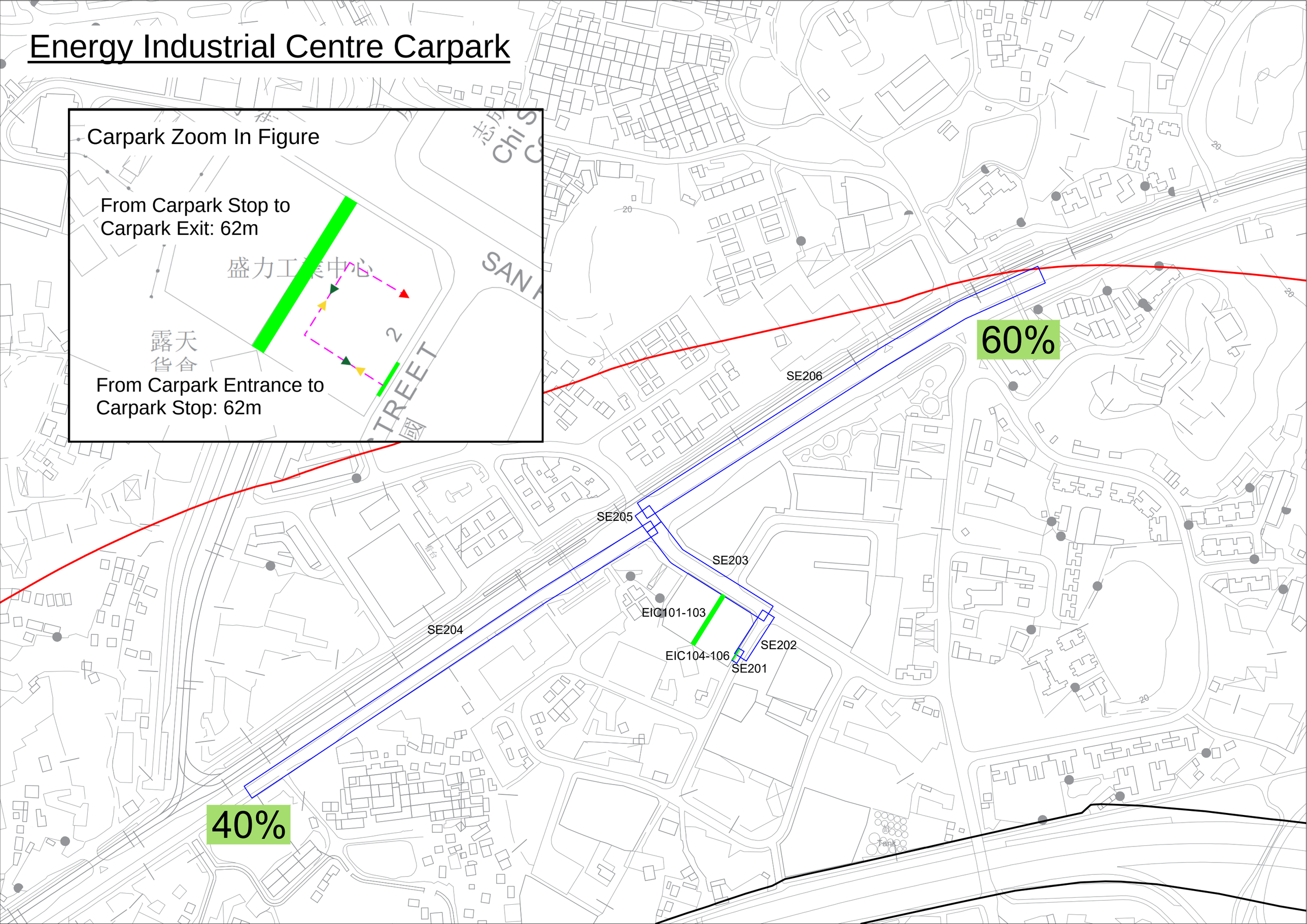
| Hour | Frequency | Double-Deck Franchised Bus | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Cold Idling Emission Factor (g/min) | | | | | | | | | | | | | | | | | | | | | | | |
| | | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP |
| 0000 - 0100 | 0 | 3.692E+01 | 9.422E-02 | 1.657E-03 | 1.086E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 2.934E-01 | 3.148E-02 | 2.257E-03 | 1.086E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0100 - 0200 | 0 | 3.692E+01 | 4.712E-01 | 9.772E-03 | 1.086E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 3.634E-01 | 4.722E-02 | 3.257E-03 | 1.086E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0200 - 0300 | 0 | 3.692E+01 | 4.712E-01 | 9.772E-03 | 1.086E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0300 - 0400 | 0 | 3.692E+01 | 4.712E-01 | 9.772E-03 | 1.086E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 3.692E+00 | 4.712E-01 | 9.772E-03 | 1.086E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0400 - 0500 | 1 | 3.692E+01 | 4.712E-01 | 9.772E-03 | 1.086E-03 | | 3.692E+00 | 4.712E-01 | 9.772E-03 | 1.086E-03 | | 3.692E+00 | 4.712E-01 | 9.772E-03 | 1.086E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0500 - 0600 | 1 | 3.692E+01 | 4.712E-01 | 9.772E-03 | 1.086E-03 | | 3.692E+00 | 4.712E-01 | 9.772E-03 | 1.086E-03 | | 3.692E+00 | 4.712E-01 | 9.772E-03 | 1.086E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0600 - 0700 | 2 | 3.692E+01 | 4.712E-01 | 9.772E-03 | 1.086E-03 | | 7.384E+00 | 9.424E-01 | 1.954E-02 | 2.172E-03 | | 7.384E+00 | 9.424E-01 | 1.954E-02 | 2.172E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0700 - 0800 | 4 | 3.692E+01 | 4.712E-01 | 9.772E-03 | 1.086E-03 | | 1.477E+01 | 1.885E+00 | 3.909E-02 | 4.344E-03 | | 1.477E+01 | 1.885E+00 | 3.909E-02 | 4.344E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0800 - 0900 | 1 | 3.692E+01 | 4.712E-01 | 9.772E-03 | 1.086E-03 | | 3.692E+00 | 4.712E-01 | 9.772E-03 | 1.086E-03 | | 2.215E+01 | 2.827E+00 | 5.863E-02 | 6.516E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0900 - 1000 | 0 | 3.692E+01 | 4.712E-01 | 9.772E-03 | 1.086E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 1.846E+01 | 2.356E+00 | 4.886E-02 | 5.430E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1000 - 1100 | 3 | 3.692E+01 | 4.712E-01 | 9.772E-03 | 1.086E-03 | | 1.108E+01 | 1.414E+00 | 2.932E-02 | 3.258E-03 | | 3.323E+01 | 4.241E+00 | 8.797E-02 | 9.774E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1100 - 1200 | 5 | 3.692E+01 | 4.712E-01 | 9.772E-03 | 1.086E-03 | | 1.846E+01 | 2.356E+00 | 4.886E-02 | 5.430E-03 | | 9.230E+01 | 1.178E+01 | 2.443E-01 | 2.715E-02 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1200 - 1300 | 3 | 3.692E+01 | 4.712E-01 | 9.772E-03 | 1.086E-03 | | 1.108E+01 | 1.414E+00 | 2.932E-02 | 3.258E-03 | | 1.292E+01 | 1.649E+00 | 3.421E-02 | 3.802E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1300 - 1400 | 4 | 3.692E+01 | 4.712E-01 | 9.772E-03 | 1.086E-03 | | 1.477E+01 | 1.885E+00 | 3.909E-02 | 4.344E-03 | | 1.477E+01 | 1.885E+00 | 3.909E-02 | 4.344E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1400 - 1500 | 1 | 3.692E+01 | 4.712E-01 | 9.772E-03 | 1.086E-03 | | 3.692E+00 | 4.712E-01 | 9.772E-03 | 1.086E-03 | | 1.108E+01 | 1.414E+00 | 2.932E-02 | 3.258E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1500 - 1600 | 2 | 3.692E+01 | 4.712E-01 | 9.772E-03 | 1.086E-03 | | 7.384E+00 | 9.424E-01 | 1.954E-02 | 2.172E-03 | | 2.215E+01 | 2.827E+00 | 5.863E-02 | 6.516E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1600 - 1700 | 1 | 3.692E+01 | 4.712E-01 | 9.772E-03 | 1.086E-03 | | 3.692E+00 | 4.712E-01 | 9.772E-03 | 1.086E-03 | | 1.108E+01 | 1.414E+00 | 2.932E-02 | 3.258E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1700 - 1800 | 1 | 3.692E+01 | 4.712E-01 | 9.772E-03 | 1.086E-03 | | 3.692E+00 | 4.712E-01 | 9.772E-03 | 1.086E-03 | | 1.846E+01 | 2.356E+00 | 4.886E-02 | 5.430E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1800 - 1900 | 0 | 3.692E+01 | 4.712E-01 | 9.772E-03 | 1.086E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 1.477E+01 | 1.885E+00 | 3.909E-02 | 4.344E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 1900 - 2000 | 0 | 3.692E+01 | 4.712E-01 | 9.772E-03 | 1.086E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 2.215E+01 | 2.827E+00 | 5.863E-02 | 6.516E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2000 - 2100 | 0 | 3.692E+01 | 4.712E-01 | 9.772E-03 | 1.086E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 2.215E+01 | 2.827E+00 | 5.863E-02 | 6.516E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2100 - 2200 | 0 | 3.692E+01 | 4.712E-01 | 9.772E-03 | 1.086E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 1.477E+01 | 1.885E+00 | 3.909E-02 | 4.344E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2200 - 2300 | 2 | 3.692E+01 | 4.712E-01 | 9.772E-03 | 1.086E-03 | | 7.384E+00 | 9.424E-01 | 1.954E-02 | 2.172E-03 | | 2.215E+01 | 2.827E+00 | 5.863E-02 | 6.516E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 2300 - 2400 | 2 | 3.692E+01 | 4.712E-01 | 9.772E-03 | 1.086E-03 | | 7.384E+00 | 9.424E-01 | 1.954E-02 | 2.172E-03 | | 7.384E+00 | 9.424E-01 | 1.954E-02 | 2.172E-03 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |

| Hour | Starting Emission Rate Outside PTI (g/s) | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP | NO | $NO_2$ | RSP | FSP | TSP |
| 0000 - 0100 | 2.931E-04 | 4.264E-05 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0100 - 0200 | 4.742E-04 | 7.265E-05 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0200 - 0300 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0300 - 0400 | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 1.477E-03 | 2.263E-04 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0400 - 0500 | 2.277E-03 | 3.491E-04 | 6.776E-06 | 6.420E-06 | | 2.277E-03 | 3.491E-04 | 6.776E-06 | 6.420E-06 | | 2.277E-03 | 3.491E-04 | 6.776E-06 | 6.420E-06 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | | 0.000E+00 | 0.000E+00 | 0.000E+00 | 0.000E+00 | |
| 0500 - 0600 | 5.561E-03 | 7.281E-04 | 

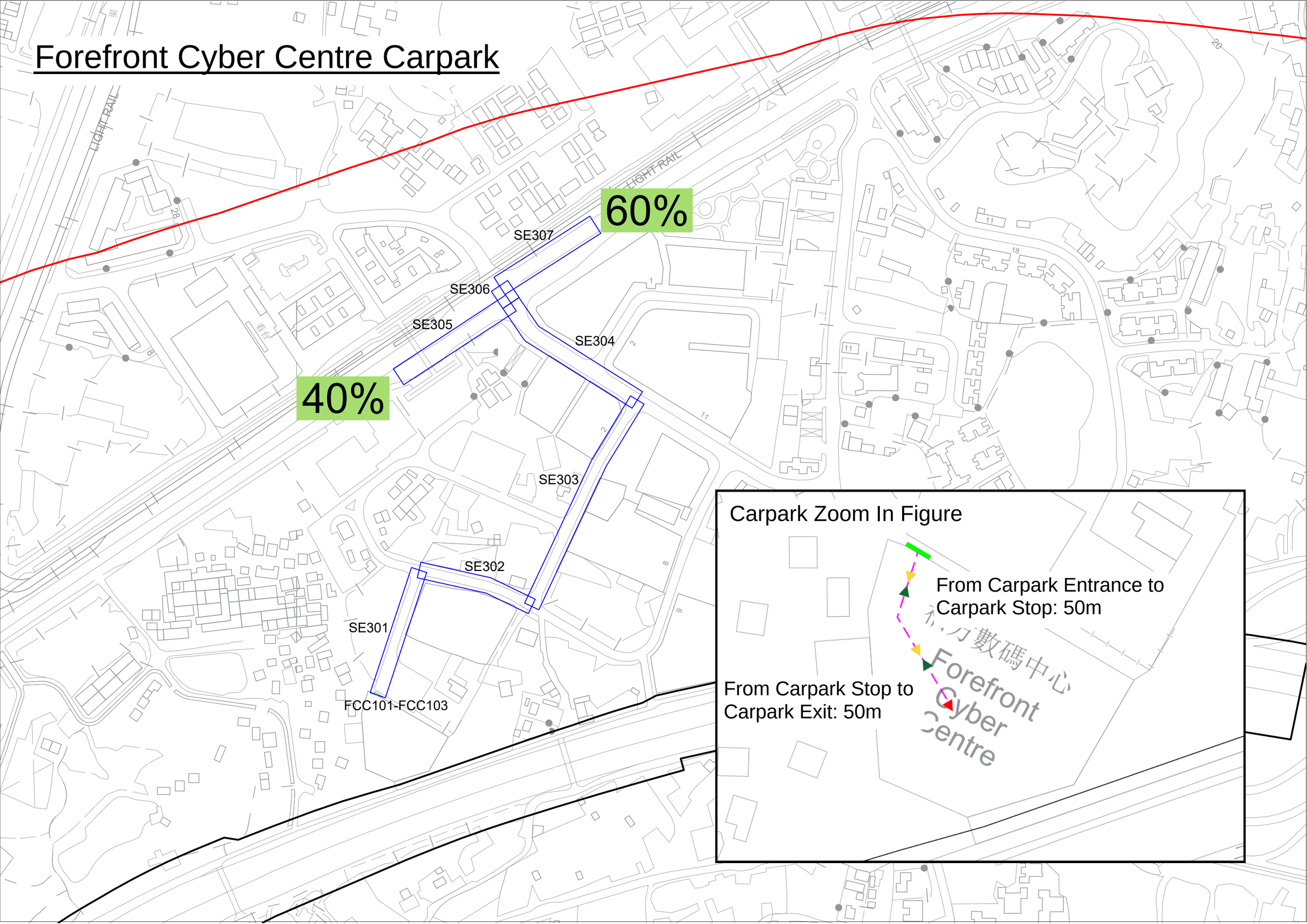
# Ping Kwai Road Carpark



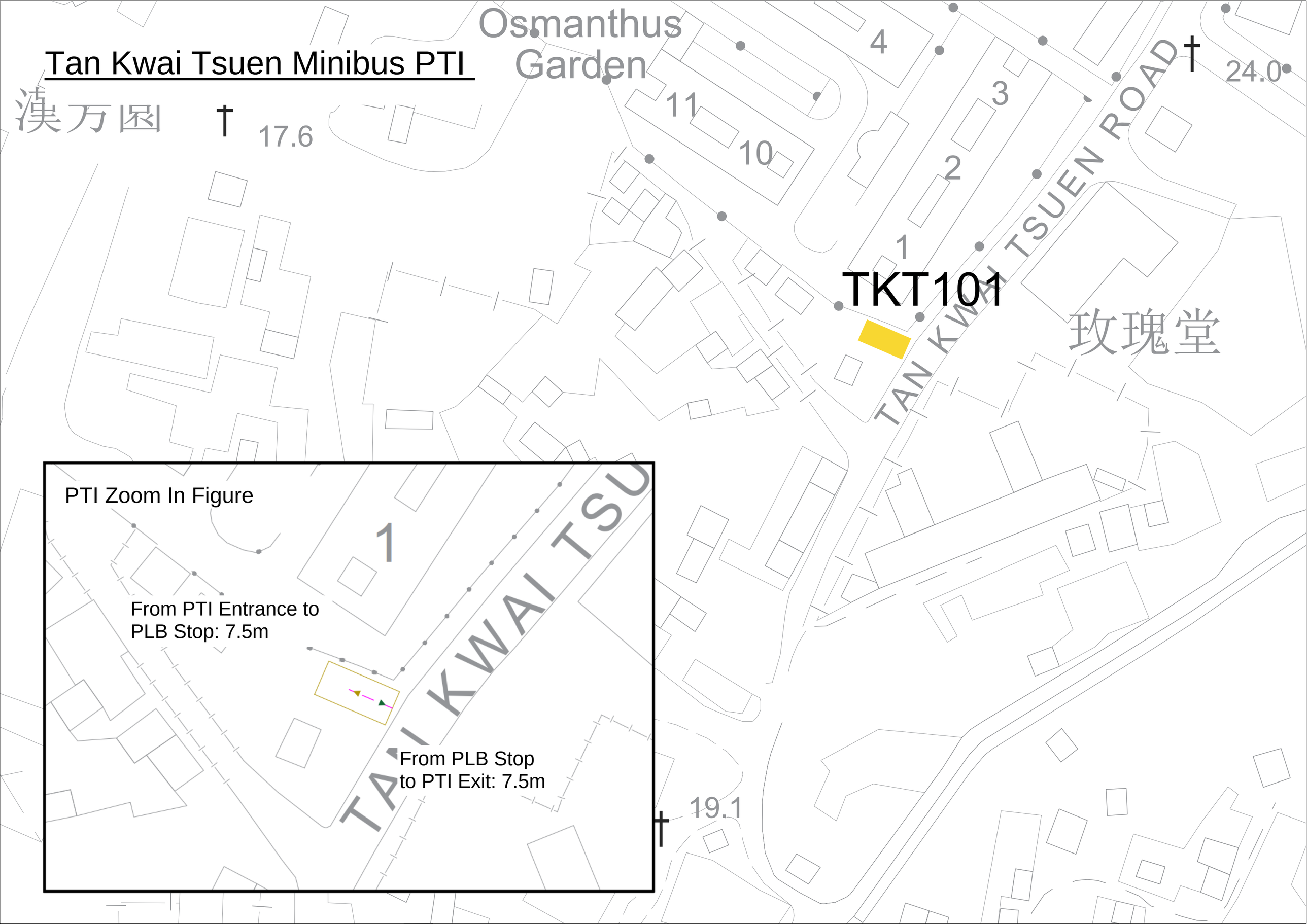
# Energy Industrial Centre Carpark



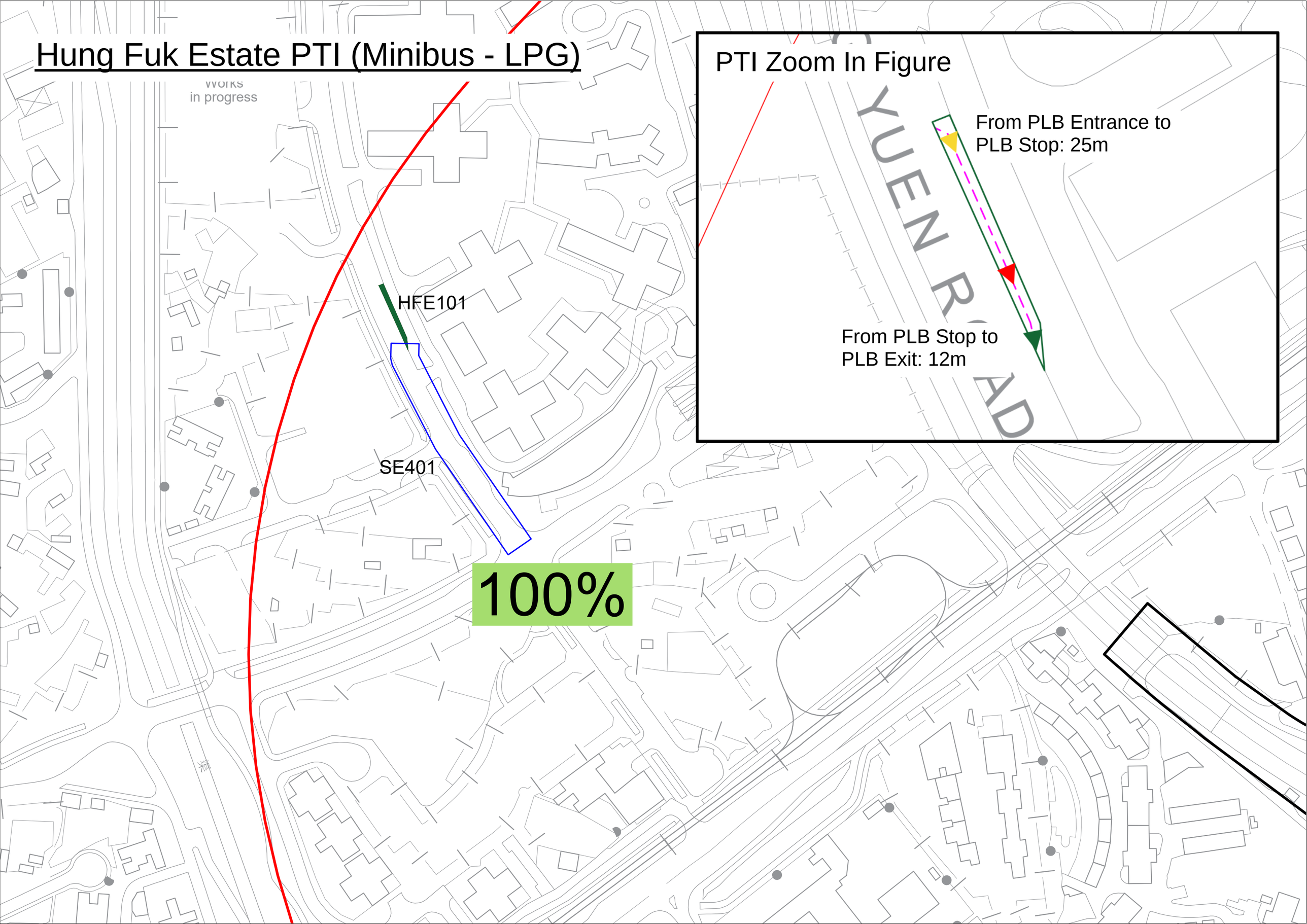
# Forefront Cyber Centre Carpark



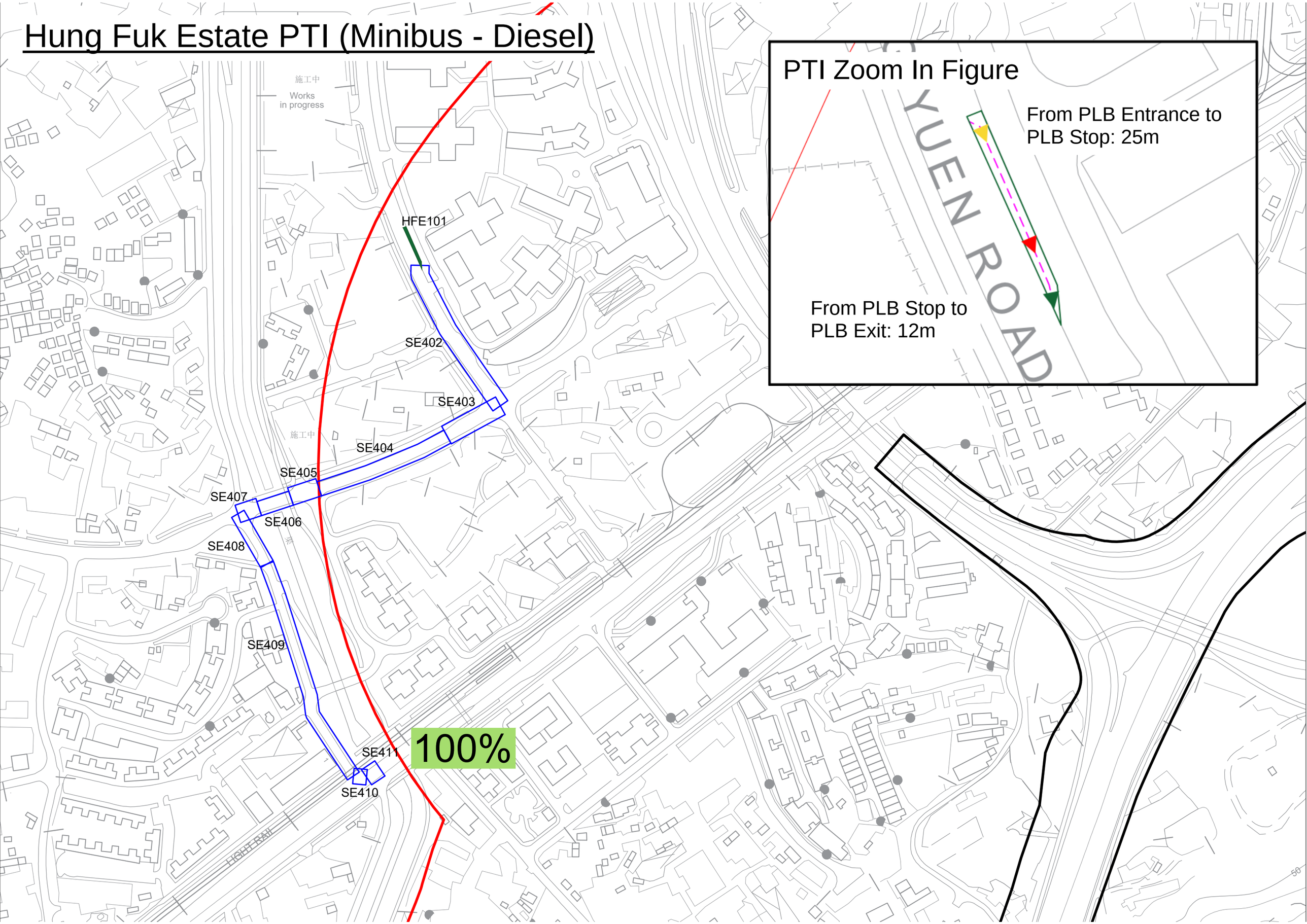
# Tan Kwai Tsuen Minibus PTI



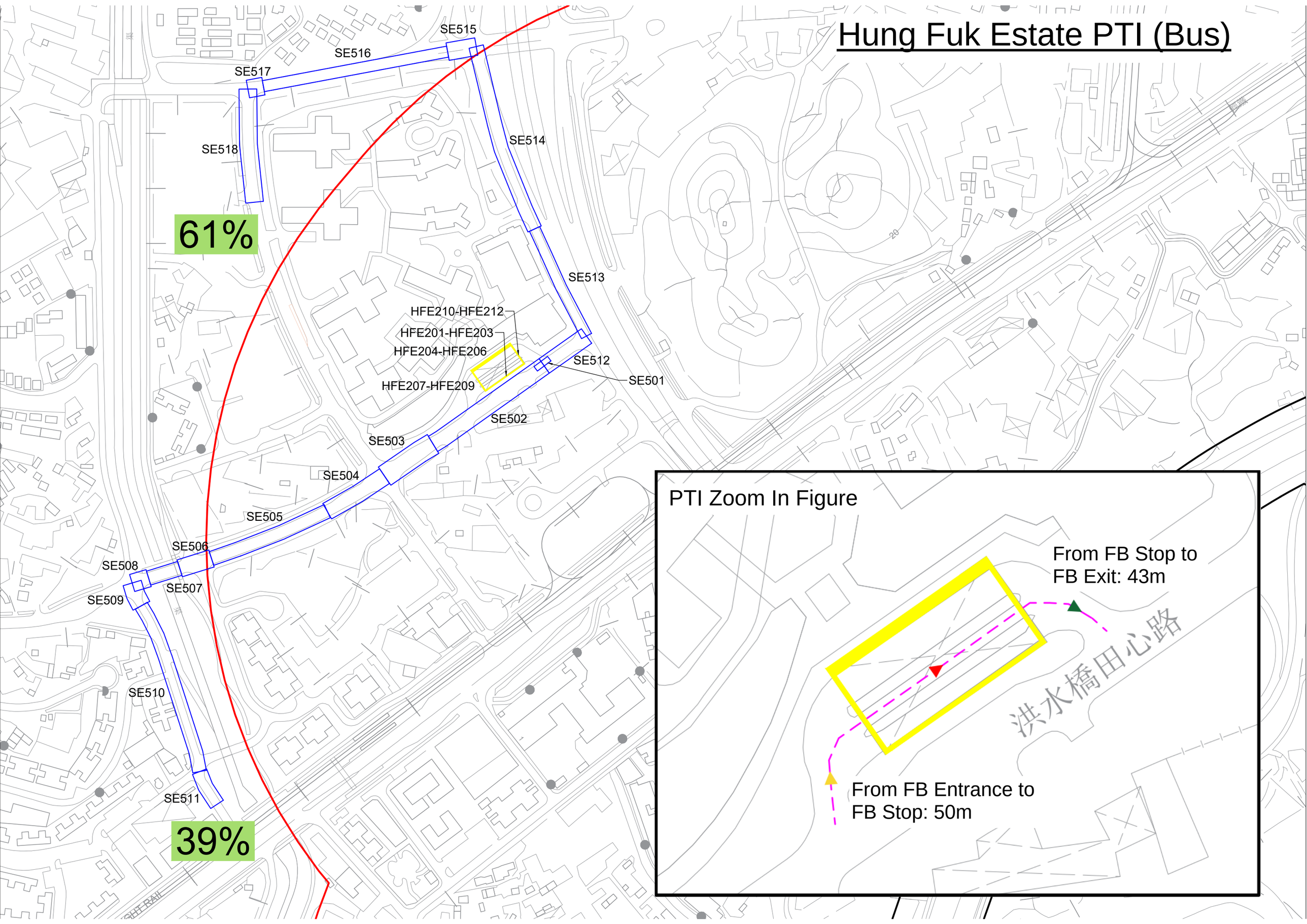
# Hung Fuk Estate PTI (Minibus - LPG)



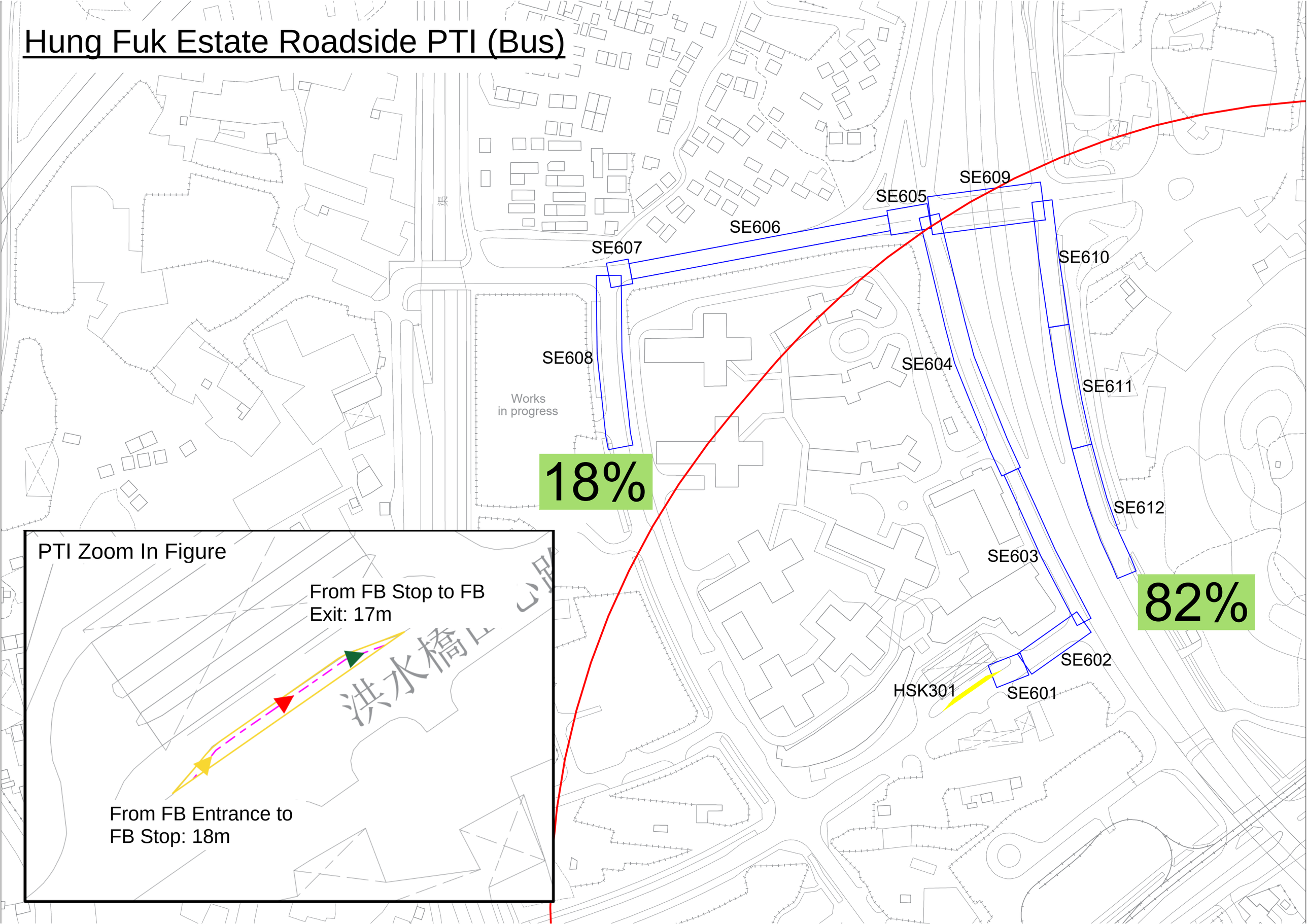
# Hung Fuk Estate PTI (Minibus - Diesel)



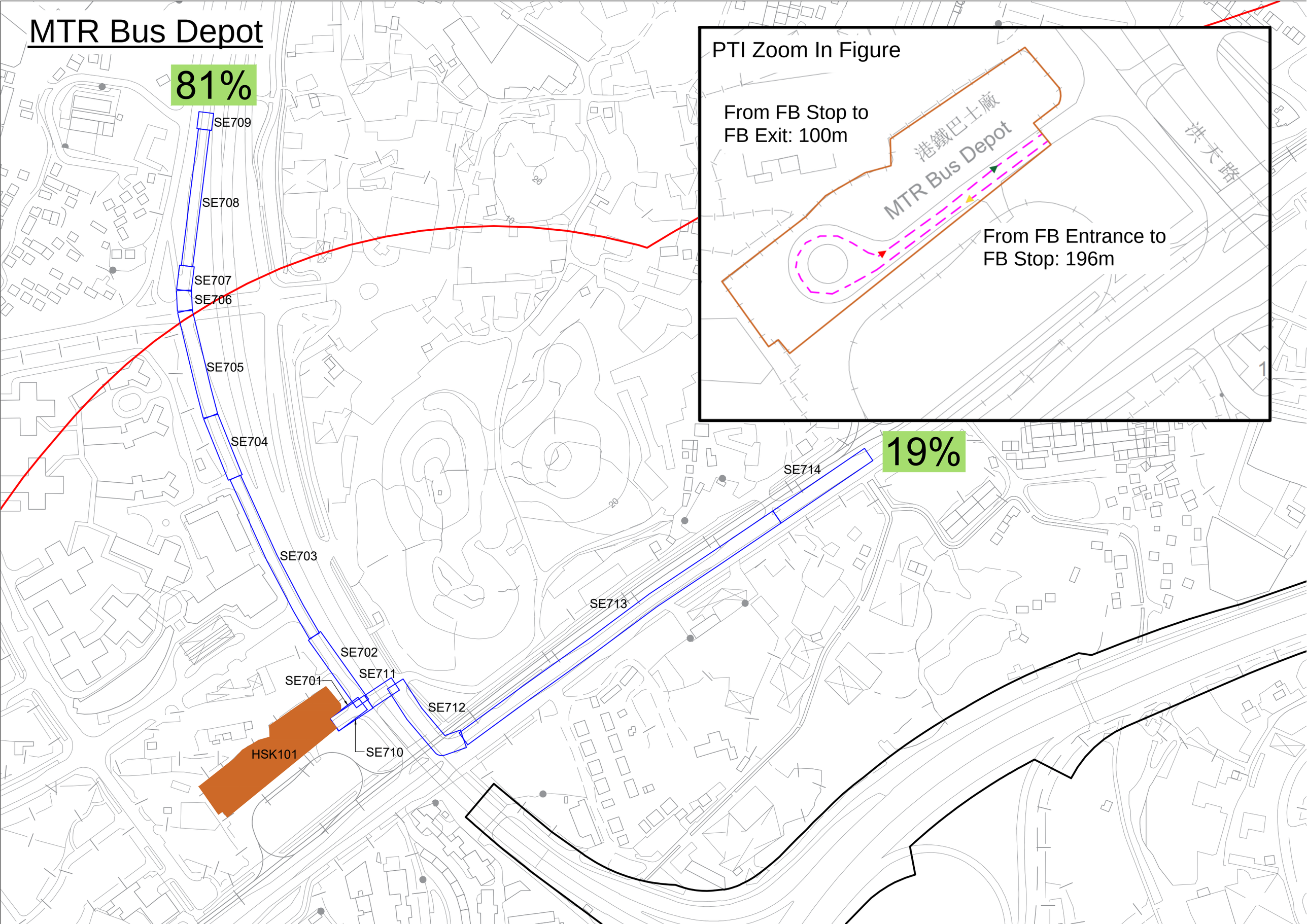
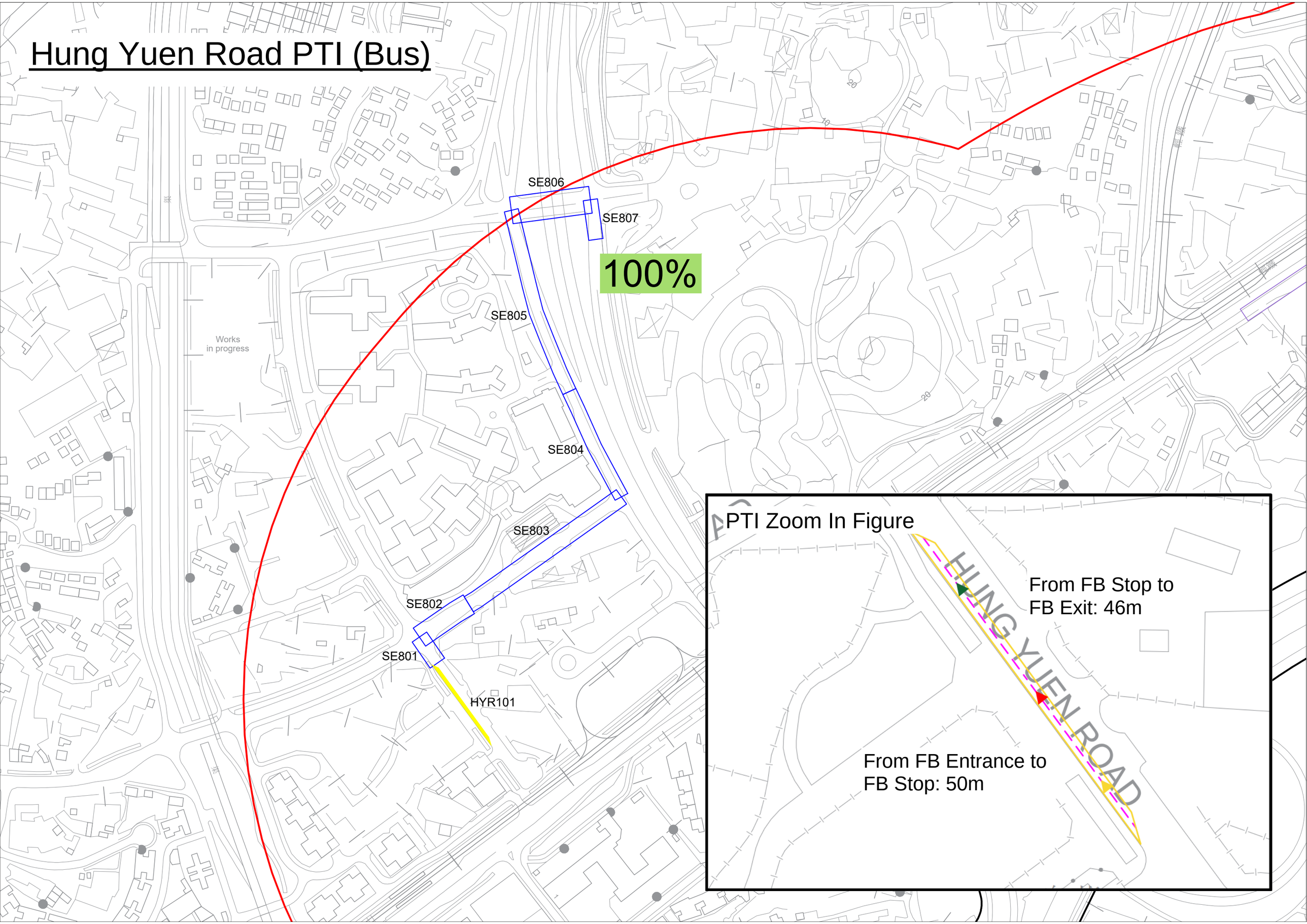
# Hung Fuk Estate PTI (Bus)



# Hung Fuk Estate Roadside PTI (Bus)



# MTR Bus Depot



# Hung Yuen Road PTI (Bus)