

# Overview of carpark locations

- ◆ Public Transport (PT)
- ◆ Public Light Bus (PLB)
- ◆ Heavy Goods Vehicle (HGV)











Emission Inventory for AERMOD Model - Emission Associated with Bus and Minibus Terminus, Heavy Goods Vehicle and Coach Parking Sites (Operation Phase – Year 2033)

Carpark/Terminus	Source	Type	X	Y	Release Height	Exit Temperature	Exit Velocity	Stack Diameter	Length of X Side	Length of Y Side	Angle	Lateral dimension	Vertical dimension	Syinit <sup>(1)</sup>	Szinil <sup>(1)</sup>	Max. Hourly Emission Rate				
																NO	NO <sub>2</sub>	RSP	FSP	TSP
Belvedere Garden Bus Terminus (ID: PT9)	PTI901	AREA	828615.3	825798.5	0.00	-	-	-	63.69	5.09	138.48	-	-	-	-	2.501E-06	2.865E-07	6.086E-08	5.673E-08	
Kwai Fong South Bus Terminus (ID: PT10)	PTI1001	AREA	831132.4	823959.2	0.00	-	-	-	80.93	7.40	175.16	-	-	-	-	6.969E-06	2.456E-06	1.824E-07	1.691E-07	
Kwai Tsui Estate Bus Terminus (ID: PT11)	PTI1101	VOLUME	831306.0	824170.0	4.00	-	-	-	-	-	-	0.90	0.60	0.42	0.28	4.459E-03	5.063E-04	3.775E-05	3.526E-05	
Kwai Tsui Estate Bus Terminus (ID: PT11) Ingress & Egress	PTI1102	VOLUME	831284.8	831284.8	2.50	-	-	-	-	-	-	5.00	5.00	2.33	2.33	1.858E-04	2.109E-05	1.573E-06	1.469E-06	
	PTI1103	VOLUME	831286.8	831286.8	2.50	-	-	-	-	-	-	5.00	5.00	2.33	2.33	1.858E-04	2.109E-05	1.573E-06	1.469E-06	
	PTI1104	VOLUME	831288.8	831288.8	2.50	-	-	-	-	-	-	5.00	5.00	2.33	2.33	1.858E-04	2.109E-05	1.573E-06	1.469E-06	
	PTI1105	VOLUME	831290.8	831290.8	2.50	-	-	-	-	-	-	5.00	5.00	2.33	2.33	1.858E-04	2.109E-05	1.573E-06	1.469E-06	
	PTI1106	VOLUME	831292.7	831292.7	2.50	-	-	-	-	-	-	5.00	5.00	2.33	2.33	1.858E-04	2.109E-05	1.573E-06	1.469E-06	
	PTI1107	VOLUME	831294.7	831294.7	2.50	-	-	-	-	-	-	5.00	5.00	2.33	2.33	1.858E-04	2.109E-05	1.573E-06	1.469E-06	
	PTI1108	VOLUME	831296.7	831296.7	2.50	-	-	-	-	-	-	5.00	5.00	2.33	2.33	1.858E-04	2.109E-05	1.573E-06	1.469E-06	
	PTI1109	VOLUME	831298.7	831298.7	2.50	-	-	-	-	-	-	5.00	5.00	2.33	2.33	1.858E-04	2.109E-05	1.573E-06	1.469E-06	
	PTI1110	VOLUME	831300.7	831300.7	2.50	-	-	-	-	-	-	5.00	5.00	2.33	2.33	1.858E-04	2.109E-05	1.573E-06	1.469E-06	
	PTI1111	VOLUME	831302.7	831302.7	2.50	-	-	-	-	-	-	5.00	5.00	2.33	2.33	1.858E-04	2.109E-05	1.573E-06	1.469E-06	
	PTI1112	VOLUME	831304.7	831304.7	2.50	-	-	-	-	-	-	5.00	5.00	2.33	2.33	1.858E-04	2.109E-05	1.573E-06	1.469E-06	
	PTI1113	VOLUME	831306.7	831306.7	2.50	-	-	-	-	-	-	5.00	5.00	2.33	2.33	1.858E-04	2.109E-05	1.573E-06	1.469E-06	
	PTI1114	VOLUME	831308.7	831308.7	2.50	-	-	-	-	-	-	5.00	5.00	2.33	2.33	1.858E-04	2.109E-05	1.573E-06	1.469E-06	
	PTI1115	VOLUME	831312.8	831312.8	2.50	-	-	-	-	-	-	5.00	5.00	2.33	2.33	1.858E-04	2.109E-05	1.573E-06	1.469E-06	
	PTI1116	VOLUME	831317.3	831317.3	2.50	-	-	-	-	-	-	5.00	5.00	2.33	2.33	1.858E-04	2.109E-05	1.573E-06	1.469E-06	
	PTI1117	VOLUME	831321.7	831321.7	2.50	-	-	-	-	-	-	5.00	5.00	2.33	2.33	1.858E-04	2.109E-05	1.573E-06	1.469E-06	
	PTI1118	VOLUME	831326.2	831326.2	2.50	-	-	-	-	-	-	5.00	5.00	2.33	2.33	1.858E-04	2.109E-05	1.573E-06	1.469E-06	
	PTI1119	VOLUME	831330.7	831330.7	2.50	-	-	-	-	-	-	5.00	5.00	2.33	2.33	1.858E-04	2.109E-05	1.573E-06	1.469E-06	
	PTI1120	VOLUME	831335.2	831335.2	2.50	-	-	-	-	-	-	5.00	5.00	2.33	2.33	1.858E-04	2.109E-05	1.573E-06	1.469E-06	
	PTI1121	VOLUME	831339.6	831339.6	2.50	-	-	-	-	-	-	5.00	5.00	2.33	2.33	1.858E-04	2.109E-05	1.573E-06	1.469E-06	
	PTI1122	VOLUME	831344.1	831344.1	2.50	-	-	-	-	-	-	5.00	5.00	2.33	2.33	1.858E-04	2.109E-05	1.573E-06	1.469E-06	
	PTI1123	VOLUME	831348.6	831348.6	2.50	-	-	-	-	-	-	5.00	5.00	2.33	2.33	1.858E-04	2.109E-05	1.573E-06	1.469E-06	
PTI1124	VOLUME	831353.1	831353.1	2.50	-	-	-	-	-	-	5.00	5.00	2.33	2.33	1.858E-04	2.109E-05	1.573E-06	1.469E-06		
PTI1125	VOLUME	831357.5	831357.5	2.50	-	-	-	-	-	-	5.00	5.00	2.33	2.33	1.858E-04	2.109E-05	1.573E-06	1.469E-06		
Allway Garden Bus Terminus (ID: PT12)	PTI1201	AREA	828793.1	826482.8	0.00	-	-	-	61.60	22.32	162.73	-	-	-	-	3.948E-06	4.620E-07	8.669E-08	8.063E-08	

Note:

(1) For semi-confined PTI with mechanical ventilation for exhaust air (i.e., PT2, PT5, PT8, and PT11), the initial lateral dimension of the volume (Syinit) and the initial vertical dimension of the volume (Szinil) are referenced from Table 3-2 in the USEPA's "User's guide for the AMS/EPA Regulatory Model (AERMOD)." i.e., Syinit = Lateral dimension divided by 2.15 and Szinil = Vertical dimension divided by 2.15.

Emission Inventory for AERMOD Model - Emission Associated with Bus and Minibus Terminuses, Heavy Goods Vehicle and Coach Parking Sites (Operation Phase – Year 2033)

Carpark/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)	Lateral dimension (m)	Vertical dimension (m)	Syinit <sup>(1)</sup> (m)	Szinit <sup>(1)</sup> (m)	Max. Hourly Emission Rate (g/s or g/m <sup>2</sup> /s)					
																NO	NO <sub>2</sub>	RSP	FSP	TSP	
Container Port Road South (ID: 2)	HGVP201	AREAPOLY	830793.5	823594.3	0.00	-	-	-	-	-	-	-	-	-	-	-	2.061E-07	9.527E-08	3.036E-09	2.792E-09	
			830841.6	823566.0																	
			830875.5	823513.6																	
			830900.6	823393.1																	
			830884.8	823289.8																	
			830861.1	823164.5																	
			830863.3	823069.2																	
			830886.3	822972.7																	
			830871.4	822958.5																	
			830855.0	822976.0																	
			830848.1	823035.5																	
			830812.6	823213.4																	
			830812.3	823325.0																	
			830828.9	823397.0																	
830802.8	823477.0																				
830761.7	823541.8																				
Kwai Tai Road (ID: 6)	HGVP601	AREAPOLY	830614.0	823639.5	0.00	-	-	-	-	-	-	-	-	-	-	-	7.398E-08	3.549E-08	1.335E-09	1.227E-09	
			830621.7	823654.8																	
			830611.9	823674.7																	
			830535.8	823706.6																	
			830497.7	823705.4																	
			830461.3	823684.7																	
			830431.1	823653.8																	
830341.7	823552.8																				
830541.8	823615.0																				
Container Port Road (ID: 15)	HGVP1501	AREAPOLY	830936.1	823890.0	0.00	-	-	-	-	-	-	-	-	-	-	-	4.485E-07	2.144E-07	7.485E-09	6.880E-09	
			831015.9	823800.1																	
			831086.3	823771.1																	
			831137.3	823834.5																	
			831093.6	823872.2																	
			831150.5	823937.5																	
			831058.2	823930.7																	
			831035.8	823936.8																	
			831025.4	823943.7																	
			830990.6	823896.4																	
830963.9	823919.2																				
Kwai Wo Street (ID: 21)	HGVP2101	AREAPOLY	830656.1	823928.3	0.00	-	-	-	-	-	-	-	-	-	-	-	4.151E-07	1.956E-07	8.984E-09	8.258E-09	
			830597.2	823863.6																	
			830535.2	823770.6																	
			830534.8	823740.5																	
			830639.2	823693.2																	
			830642.6	823696.4																	
			830645.9	823702.9																	
			830676.9	823777.7																	
			830675.0	823788.5																	
			830669.6	823794.0																	
			830676.0	823808.2																	
			830685.9	823803.9																	
			830696.3	823805.4																	
830733.8	823893.3																				

Note:

(1) For semi-confined PT1 with mechanical ventilation for exhaust air (i.e., PT2, PT5, PT8, and PT11), the initial lateral dimension of the volume (Syinit) and the initial vertical dimension of the volume (Szinit) are referenced from Table 3-2 in the USEPA's "User's guide for the AMS/EPA Regulatory Model (AERMOD)." i.e., Syinit = Lateral dimension divided by 2.15 and Szinit = Vertical dimension divided by 2.15.

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Carpark/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)	Lateral dimension (m)	Vertical dimension (m)	Syinit <sup>(1)</sup> (m)	Szinit <sup>(1)</sup> (m)	Max. Hourly Emission Rate (g/s or g/m <sup>2</sup> /s)					
																NO	NO <sub>2</sub>	RSP	FSP	TSP	
Container Port Road South (ID: 248)	HGVP24801	AREAPOLY	830942.7	823497.5	0.00	-	-	-	-	-	-	-	-	-	-	-	7.047E-08	3.380E-08	1.272E-09	1.169E-09	
			830942.1	823507.2																	
			830931.2	823511.7																	
			830922.1	823552.4																	
			830922.2	823569.9																	
			830906.3	823608.4																	
			830910.7	823677.8																	
			830935.7	823753.5																	
			830956.4	823767.0																	
			830994.2	823761.3																	
			831012.2	823735.1																	
			831017.4	823696.5																	
			831016.8	823675.6																	
			830996.2	823676.0																	
			830992.0	823623.1																	
			830972.2	823610.5																	
			830965.4	823520.1																	
830958.6	823504.6																				
Tsuen Tsing Interchange (ID: 7)	HGVP701	AREAPOLY	830203.3	824716.2	0.00	-	-	-	-	-	-	-	-	-	-	-	2.816E-07	1.283E-07	6.569E-09	6.043E-09	
			830214.3	824732.2																	
			830211.0	824739.5																	
			830157.8	824793.0																	
			830131.8	824786.5																	
			830108.0	824791.9																	
			830038.4	824766.0																	
			830031.8	824753.3																	
			830053.8	824738.1																	
			830043.5	824714.1																	
			830100.5	824680.2																	
			830093.9	824665.7																	
			830110.3	824646.6																	
			830194.1	824584.2																	
			830198.7	824621.8																	
			830213.5	824670.5																	
			830219.8	824701.0																	
Kerry Cargo Center (ID: 66)	HGVP6601	AREAPOLY	830473.7	824820.3	0.00	-	-	-	-	-	-	-	-	-	-	-	3.479E-06	1.646E-06	8.020E-08	7.375E-08	
			830525.6	824898.2																	
			830531.7	824894.3																	
			830557.4	824939.8																	
			830581.4	824971.1																	
			830573.0	824991.7																	
			830547.6	825004.7																	
			830523.0	824995.2																	
			830450.1	824882.0																	
			830435.7	824845.2																	
			830433.9	824845.9																	
			830448.3	824882.9																	
			830521.7	824996.8																	
			830547.7	825006.9																	
			830574.6	824993.2																	
			830583.7	824970.7																	
			830559.1	824938.7																	
830532.4	824891.5																				
830526.2	824895.5																				
830475.4	824819.2																				

Note:

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Carpark/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)	Lateral dimension (m)	Vertical dimension (m)	Syinit <sup>(1)</sup> (m)	Sznit <sup>(1)</sup> (m)	Max. Hourly Emission Rate (g/s or g/m <sup>2</sup> /s)					
																NO	NO <sub>2</sub>	RSP	FSP	TSP	
Kerry Cargo Center (ID: 66)	HGVP6602	AREAPOLY	830473.7	824820.3	5.00	-	-	-	-	-	-	-	-	-	-	-	3.479E-06	1.646E-06	8.020E-08	7.375E-08	
			830525.6	824898.2																	
			830531.7	824894.3																	
			830557.4	824939.8																	
			830581.4	824971.1																	
			830573.0	824991.7																	
			830547.6	825004.7																	
			830523.0	824995.2																	
			830450.1	824882.0																	
			830435.7	824845.2																	
			830433.9	824845.9																	
			830448.3	824882.9																	
			830521.7	824996.8																	
			830547.7	825006.9																	
			830574.6	824993.2																	
			830583.7	824970.7																	
			830559.1	824938.7																	
			830532.4	824891.5																	
830526.2	824895.5																				
830475.4	824819.2																				
Kerry Cargo Center (ID: 66)	HGVP6603	AREAPOLY	830473.7	824820.3	10.00	-	-	-	-	-	-	-	-	-	-	-	3.479E-06	1.646E-06	8.020E-08	7.375E-08	
			830525.6	824898.2																	
			830531.7	824894.3																	
			830557.4	824939.8																	
			830581.4	824971.1																	
			830573.0	824991.7																	
			830547.6	825004.7																	
			830523.0	824995.2																	
			830450.1	824882.0																	
			830435.7	824845.2																	
			830433.9	824845.9																	
			830448.3	824882.9																	
			830521.7	824996.8																	
			830547.7	825006.9																	
			830574.6	824993.2																	
			830583.7	824970.7																	
			830559.1	824938.7																	
			830532.4	824891.5																	
830526.2	824895.5																				
830475.4	824819.2																				
Kerry Cargo Center (ID: 66)	HGVP6604	AREAPOLY	830473.7	824820.3	15.00	-	-	-	-	-	-	-	-	-	-	-	3.479E-06	1.646E-06	8.020E-08	7.375E-08	
			830525.6	824898.2																	
			830531.7	824894.3																	
			830557.4	824939.8																	
			830581.4	824971.1																	
			830573.0	824991.7																	
			830547.6	825004.7																	
			830523.0	824995.2																	
			830450.1	824882.0																	
			830435.7	824845.2																	
			830433.9	824845.9																	
			830448.3	824882.9																	
			830521.7	824996.8																	
			830547.7	825006.9																	
			830574.6	824993.2																	
			830583.7	824970.7																	
			830559.1	824938.7																	
			830532.4	824891.5																	
830526.2	824895.5																				
830475.4	824819.2																				

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Carpark/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)	Lateral dimension (m)	Vertical dimension (m)	Syinit <sup>(1)</sup> (m)	Sznit <sup>(1)</sup> (m)	Max. Hourly Emission Rate (g/s or g/m <sup>2</sup> /s)					
																NO	NO <sub>2</sub>	RSP	FSP	TSP	
Kerry Cargo Center (ID: 66)	HGVP6605	AREAPOLY	830473.7	824820.3	20.00	-	-	-	-	-	-	-	-	-	-	-	3.479E-06	1.646E-06	8.020E-08	7.375E-08	
			830525.6	824898.2																	
			830531.7	824894.3																	
			830557.4	824939.8																	
			830581.4	824971.1																	
			830573.0	824991.7																	
			830547.6	825004.7																	
			830523.0	824995.2																	
			830450.1	824882.0																	
			830435.7	824845.2																	
			830433.9	824845.9																	
			830448.3	824882.9																	
			830521.7	824996.8																	
			830547.7	825006.9																	
			830574.6	824993.2																	
			830583.7	824970.7																	
			830559.1	824938.7																	
830532.4	824891.5																				
830526.2	824895.5																				
830475.4	824819.2																				
Kerry Cargo Center (ID: 66)	HGVP6606	AREAPOLY	830473.7	824820.3	25.00	-	-	-	-	-	-	-	-	-	-	-	3.479E-06	1.646E-06	8.020E-08	7.375E-08	
			830525.6	824898.2																	
			830531.7	824894.3																	
			830557.4	824939.8																	
			830581.4	824971.1																	
			830573.0	824991.7																	
			830547.6	825004.7																	
			830523.0	824995.2																	
			830450.1	824882.0																	
			830435.7	824845.2																	
			830433.9	824845.9																	
			830448.3	824882.9																	
			830521.7	824996.8																	
			830547.7	825006.9																	
			830574.6	824993.2																	
			830583.7	824970.7																	
			830559.1	824938.7																	
830532.4	824891.5																				
830526.2	824895.5																				
830475.4	824819.2																				
Kerry Cargo Center (ID: 66)	HGVP6607	AREAPOLY	830473.7	824820.3	30.00	-	-	-	-	-	-	-	-	-	-	-	3.479E-06	1.646E-06	8.020E-08	7.375E-08	
			830525.6	824898.2																	
			830531.7	824894.3																	
			830557.4	824939.8																	
			830581.4	824971.1																	
			830573.0	824991.7																	
			830547.6	825004.7																	
			830523.0	824995.2																	
			830450.1	824882.0																	
			830435.7	824845.2																	
			830433.9	824845.9																	
			830448.3	824882.9																	
			830521.7	824996.8																	
			830547.7	825006.9																	
			830574.6	824993.2																	
			830583.7	824970.7																	
			830559.1	824938.7																	
830532.4	824891.5																				
830526.2	824895.5																				
830475.4	824819.2																				

Note:

(1) For semi-confined PT1 with mechanical ventilation for exhaust air (i.e., PT2, PT5, PT8, and PT11), the initial lateral dimension of the volume (Syinit) and the initial vertical dimension of the volume (Sznit) are referenced from Table 3-2 in the USEPA's "User's guide for the AMS/EPA Regulatory Model (AERMOD)." i.e., Syinit = Lateral dimension divided by 2.15 and Sznit = Vertical dimension divided by 2.15.

Emission Inventory for AERMOD Model - Emission Associated with Bus and Minibus Terminuses, Heavy Goods Vehicle and Coach Parking Sites (Operation Phase – Year 2033)

Carpark/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)	Lateral dimension (m)	Vertical dimension (m)	Syinit <sup>(1)</sup> (m)	Sznit <sup>(1)</sup> (m)	Max. Hourly Emission Rate (g/s or g/m <sup>2</sup> /s)					
																NO	NO <sub>2</sub>	RSP	FSP	TSP	
Kerry Cargo Center (ID: 66)	HGVP6608	AREAPOLY	830473.7	824820.3	35.00	-	-	-	-	-	-	-	-	-	-	-	3.479E-06	1.646E-06	8.020E-08	7.375E-08	
			830525.6	824898.2																	
			830531.7	824894.3																	
			830557.4	824939.8																	
			830581.4	824971.1																	
			830573.0	824991.7																	
			830547.6	825004.7																	
			830523.0	824995.2																	
			830450.1	824882.0																	
			830435.7	824845.2																	
			830433.9	824845.9																	
			830448.3	824882.9																	
			830521.7	824996.8																	
			830547.7	825006.9																	
			830574.6	824993.2																	
			830583.7	824970.7																	
			830559.1	824938.7																	
830532.4	824891.5																				
830526.2	824895.5																				
830475.4	824819.2																				
Kerry Cargo Center (ID: 66)	HGVP6609	AREAPOLY	830473.7	824820.3	40.00	-	-	-	-	-	-	-	-	-	-	-	3.479E-06	1.646E-06	8.020E-08	7.375E-08	
			830525.6	824898.2																	
			830531.7	824894.3																	
			830557.4	824939.8																	
			830581.4	824971.1																	
			830573.0	824991.7																	
			830547.6	825004.7																	
			830523.0	824995.2																	
			830450.1	824882.0																	
			830435.7	824845.2																	
			830433.9	824845.9																	
			830448.3	824882.9																	
			830521.7	824996.8																	
			830547.7	825006.9																	
			830574.6	824993.2																	
			830583.7	824970.7																	
			830559.1	824938.7																	
830532.4	824891.5																				
830526.2	824895.5																				
830475.4	824819.2																				
Kerry Cargo Center (ID: 66)	HGVP6610	AREAPOLY	830473.7	824820.3	45.00	-	-	-	-	-	-	-	-	-	-	-	3.479E-06	1.646E-06	8.020E-08	7.375E-08	
			830525.6	824898.2																	
			830531.7	824894.3																	
			830557.4	824939.8																	
			830581.4	824971.1																	
			830573.0	824991.7																	
			830547.6	825004.7																	
			830523.0	824995.2																	
			830450.1	824882.0																	
			830435.7	824845.2																	
			830433.9	824845.9																	
			830448.3	824882.9																	
			830521.7	824996.8																	
			830547.7	825006.9																	
			830574.6	824993.2																	
			830583.7	824970.7																	
			830559.1	824938.7																	
830532.4	824891.5																				
830526.2	824895.5																				
830475.4	824819.2																				

Note:

(1) For semi-confined PT1 with mechanical ventilation for exhaust air (i.e., PT2, PT5, PT8, and PT11), the initial lateral dimension of the volume (Syinit) and the initial vertical dimension of the volume (Sznit) are referenced from Table 3-2 in the USEPA's "User's guide for the AMS/EPA Regulatory Model (AERMOD)." i.e., Syinit = Lateral dimension divided by 2.15 and Sznit = Vertical dimension divided by 2.15.

Emission Inventory for AERMOD Model - Emission Associated with Bus and Minibus Terminuses, Heavy Goods Vehicle and Coach Parking Sites (Operation Phase – Year 2033)

Carpark/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)	Lateral dimension (m)	Vertical dimension (m)	Syinit <sup>(1)</sup> (m)	Szinit <sup>(1)</sup> (m)	Max. Hourly Emission Rate (g/s or g/m <sup>2</sup> /s)				
																NO	NO <sub>2</sub>	RSP	FSP	TSP
Kerry Cargo Center (ID: 66)	HGVP6611	AREAPOLY	830473.7	824820.3	50.00	-	-	-	-	-	-	-	-	-	-	-	3.479E-06	1.646E-06	8.020E-08	7.375E-08
			830525.6	824898.2																
			830531.7	824894.3																
			830557.4	824939.8																
			830581.4	824971.1																
			830573.0	824991.7																
			830547.6	825004.7																
			830523.0	824995.2																
			830450.1	824882.0																
			830435.7	824845.2																
			830433.9	824845.9																
			830448.3	824882.9																
			830521.7	824996.8																
			830547.7	825006.9																
			830574.6	824993.2																
			830583.7	824970.7																
			830559.1	824938.7																
			830532.4	824891.5																
830526.2	824895.5																			
830475.4	824819.2																			
Kerry Cargo Center (ID: 66)	HGVP6612	AREAPOLY	830473.7	824820.3	55.00	-	-	-	-	-	-	-	-	-	-	-	3.479E-06	1.646E-06	8.020E-08	7.375E-08
			830525.6	824898.2																
			830531.7	824894.3																
			830557.4	824939.8																
			830581.4	824971.1																
			830573.0	824991.7																
			830547.6	825004.7																
			830523.0	824995.2																
			830450.1	824882.0																
			830435.7	824845.2																
			830433.9	824845.9																
			830448.3	824882.9																
			830521.7	824996.8																
			830547.7	825006.9																
			830574.6	824993.2																
			830583.7	824970.7																
			830559.1	824938.7																
			830532.4	824891.5																
830526.2	824895.5																			
830475.4	824819.2																			
Kerry Cargo Center (ID: 66)	HGVP6613	AREAPOLY	830473.7	824820.3	60.00	-	-	-	-	-	-	-	-	-	-	-	3.479E-06	1.646E-06	8.020E-08	7.375E-08
			830525.6	824898.2																
			830531.7	824894.3																
			830557.4	824939.8																
			830581.4	824971.1																
			830573.0	824991.7																
			830547.6	825004.7																
			830523.0	824995.2																
			830450.1	824882.0																
			830435.7	824845.2																
			830433.9	824845.9																
			830448.3	824882.9																
			830521.7	824996.8																
			830547.7	825006.9																
			830574.6	824993.2																
			830583.7	824970.7																
			830559.1	824938.7																
			830532.4	824891.5																
830526.2	824895.5																			
830475.4	824819.2																			

Note:

(1) For semi-confined PT1 with mechanical ventilation for exhaust air (i.e., PT2, PT5, PT8, and PT11), the initial lateral dimension of the volume (Syinit) and the initial vertical dimension of the volume (Szinit) are referenced from Table 3-2 in the USEPA's "User's guide for the AMS/EPA Regulatory Model (AERMOD)." I.e., Syinit = Lateral dimension divided by 2.15 and Szinit = Vertical dimension divided by 2.15.

Emission Inventory for AERMOD Model - Emission Associated with Bus and Minibus Terminuses, Heavy Goods Vehicle and Coach Parking Sites (Operation Phase – Year 2033)

Carpark/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)	Lateral dimension (m)	Vertical dimension (m)	Syinit <sup>(1)</sup> (m)	Sznit <sup>(1)</sup> (m)	Max. Hourly Emission Rate (g/s or g/m <sup>2</sup> /s)					
																NO	NO <sub>2</sub>	RSP	FSP	TSP	
Kerry Cargo Center (ID: 66)	HGVP6614	AREAPOLY	830473.7	824820.3	65.00	-	-	-	-	-	-	-	-	-	-	-	3.479E-06	1.646E-06	8.020E-08	7.375E-08	
			830525.6	824898.2																	
			830531.7	824894.3																	
			830557.4	824939.8																	
			830581.4	824971.1																	
			830573.0	824991.7																	
			830547.6	825004.7																	
			830523.0	824995.2																	
			830450.1	824882.0																	
			830435.7	824845.2																	
			830433.9	824845.9																	
			830448.3	824882.9																	
			830521.7	824996.8																	
			830547.7	825006.9																	
			830574.6	824993.2																	
			830583.7	824970.7																	
			830559.1	824938.7																	
			830532.4	824891.5																	
830526.2	824895.5																				
830475.4	824819.2																				
Kerry Cargo Center (ID: 66)	HGVP6615	AREAPOLY	830473.7	824820.3	70.00	-	-	-	-	-	-	-	-	-	-	-	3.479E-06	1.646E-06	8.020E-08	7.375E-08	
			830525.6	824898.2																	
			830531.7	824894.3																	
			830557.4	824939.8																	
			830581.4	824971.1																	
			830573.0	824991.7																	
			830547.6	825004.7																	
			830523.0	824995.2																	
			830450.1	824882.0																	
			830435.7	824845.2																	
			830433.9	824845.9																	
			830448.3	824882.9																	
			830521.7	824996.8																	
			830547.7	825006.9																	
			830574.6	824993.2																	
			830583.7	824970.7																	
			830559.1	824938.7																	
			830532.4	824891.5																	
830526.2	824895.5																				
830475.4	824819.2																				
Kerry Cargo Center (ID: 66)	HGVP6616	AREAPOLY	830473.7	824820.3	75.00	-	-	-	-	-	-	-	-	-	-	-	3.479E-06	1.646E-06	8.020E-08	7.375E-08	
			830525.6	824898.2																	
			830531.7	824894.3																	
			830557.4	824939.8																	
			830581.4	824971.1																	
			830573.0	824991.7																	
			830547.6	825004.7																	
			830523.0	824995.2																	
			830450.1	824882.0																	
			830435.7	824845.2																	
			830433.9	824845.9																	
			830448.3	824882.9																	
			830521.7	824996.8																	
			830547.7	825006.9																	
			830574.6	824993.2																	
			830583.7	824970.7																	
			830559.1	824938.7																	
			830532.4	824891.5																	
830526.2	824895.5																				
830475.4	824819.2																				

Note:

(1) For semi-confined PT1 with mechanical ventilation for exhaust air (i.e., PT2, PT5, PT8, and PT11), the initial lateral dimension of the volume (Syinit) and the initial vertical dimension of the volume (Sznit) are referenced from Table 3-2 in the USEPA's "User's guide for the AMS/EPA Regulatory Model (AERMOD)." I.e., Syinit = Lateral dimension divided by 2.15 and Sznit = Vertical dimension divided by 2.15.

Emission Inventory for AERMOD Model - Emission Associated with Bus and Minibus Terminuses, Heavy Goods Vehicle and Coach Parking Sites (Operation Phase – Year 2033)

Carpark/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)	Lateral dimension (m)	Vertical dimension (m)	Syinit <sup>(1)</sup> (m)	Sznit <sup>(1)</sup> (m)	Max. Hourly Emission Rate (g/s or g/m <sup>2</sup> /s)					
																NO	NO <sub>2</sub>	RSP	FSP	TSP	
Kerry Cargo Center (ID: 66)	HGVP6617	AREAPOLY	830473.7	824820.3	80.00	-	-	-	-	-	-	-	-	-	-	-	3.479E-06	1.646E-06	8.020E-08	7.375E-08	
			830525.6	824898.2																	
			830531.7	824894.3																	
			830557.4	824939.8																	
			830581.4	824971.1																	
			830573.0	824991.7																	
			830547.6	825004.7																	
			830523.0	824995.2																	
			830450.1	824882.0																	
			830435.7	824845.2																	
			830433.9	824845.9																	
			830448.3	824882.9																	
			830521.7	824996.8																	
			830547.7	825006.9																	
			830574.6	824993.2																	
			830583.7	824970.7																	
			830559.1	824938.7																	
			830532.4	824891.5																	
830526.2	824895.5																				
830475.4	824819.2																				
Kerry Cargo Center (ID: 66)	HGVP6618	AREAPOLY	830473.7	824820.3	85.00	-	-	-	-	-	-	-	-	-	-	-	3.479E-06	1.646E-06	8.020E-08	7.375E-08	
			830525.6	824898.2																	
			830531.7	824894.3																	
			830557.4	824939.8																	
			830581.4	824971.1																	
			830573.0	824991.7																	
			830547.6	825004.7																	
			830523.0	824995.2																	
			830450.1	824882.0																	
			830435.7	824845.2																	
			830433.9	824845.9																	
			830448.3	824882.9																	
			830521.7	824996.8																	
			830547.7	825006.9																	
			830574.6	824993.2																	
			830583.7	824970.7																	
			830559.1	824938.7																	
			830532.4	824891.5																	
830526.2	824895.5																				
830475.4	824819.2																				
Kerry Cargo Center (ID: 66)	HGVP6619	AREAPOLY	830473.7	824820.3	90.00	-	-	-	-	-	-	-	-	-	-	-	3.479E-06	1.646E-06	8.020E-08	7.375E-08	
			830525.6	824898.2																	
			830531.7	824894.3																	
			830557.4	824939.8																	
			830581.4	824971.1																	
			830573.0	824991.7																	
			830547.6	825004.7																	
			830523.0	824995.2																	
			830450.1	824882.0																	
			830435.7	824845.2																	
			830433.9	824845.9																	
			830448.3	824882.9																	
			830521.7	824996.8																	
			830547.7	825006.9																	
			830574.6	824993.2																	
			830583.7	824970.7																	
			830559.1	824938.7																	
			830532.4	824891.5																	
830526.2	824895.5																				
830475.4	824819.2																				

Note:

(1) For semi-confined PT1 with mechanical ventilation for exhaust air (i.e., PT2, PT5, PT8, and PT11), the initial lateral dimension of the volume (Syinit) and the initial vertical dimension of the volume (Sznit) are referenced from Table 3-2 in the USEPA's "User's guide for the AMS/EPA Regulatory Model (AERMOD)." i.e., Syinit = Lateral dimension divided by 2.15 and Sznit = Vertical dimension divided by 2.15.











Emission Inventory for AERMOD Model - Emission Associated with Bus and Minibus Terminususes, Heavy Goods Vehicle and Coach Parking Sites (Operation Phase - Year 2033)

Carpark/Terminusus	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)	Lateral dimension (m)	Vertical dimension (m)	Syinit <sup>(1)</sup> (m)	Szinit <sup>(1)</sup> (m)	Max. Hourly Emission Rate					
																NO	NO <sub>2</sub>	RSP		FSP	TSP
																(g/s or g/m <sup>2</sup> /s)					
Bayview Garden Bus Terminusus (ID: PT8) (Bus)	SE1001	AREA	828267.1	825669.1	3.9	-	-	-	9.71	8.13	126.87	-	-	-	3.64	1.153E-06	1.786E-07	0.000E+00	0.000E+00	-	
	SE1002	AREA	828292.9	825705.8	3.9	-	-	-	49.43	9.71	130.56	-	-	-	3.64	1.153E-06	1.786E-07	0.000E+00	0.000E+00	-	
	SE1003	AREA	828312.4	825723.6	3.9	-	-	-	25.79	10.00	138.04	-	-	-	3.64	1.119E-06	1.732E-07	0.000E+00	0.000E+00	-	
	SE1004	AREA	828332.9	825741.8	3.9	-	-	-	27.44	9.96	138.31	-	-	-	3.64	1.119E-06	1.732E-07	0.000E+00	0.000E+00	-	
	SE1005	AREA	828351.9	825758.2	3.9	-	-	-	24.97	10.02	139.55	-	-	-	3.64	1.119E-06	1.732E-07	0.000E+00	0.000E+00	-	
	SE1006	AREA	828388.0	825788.2	3.9	-	-	-	46.84	10.97	140.78	-	-	-	3.64	1.017E-06	1.575E-07	0.000E+00	0.000E+00	-	
	SE1007	AREA	828429.3	825822.1	3.9	-	-	-	53.39	11.01	140.53	-	-	-	3.64	1.017E-06	1.575E-07	0.000E+00	0.000E+00	-	
	SE1008	AREA	828465.8	825851.6	3.9	-	-	-	46.84	11.02	140.98	-	-	-	3.64	1.017E-06	1.575E-07	0.000E+00	0.000E+00	-	
	SE1009	AREA	828509.8	825888.2	3.9	-	-	-	57.23	11.00	140.07	-	-	-	3.64	1.017E-06	1.575E-07	0.000E+00	0.000E+00	-	
	SE1010	AREA	828526.3	825899.3	3.9	-	-	-	19.56	9.99	144.42	-	-	-	3.64	1.119E-06	1.732E-07	0.000E+00	0.000E+00	-	
	SE1011	AREA	828569.3	825933.6	3.9	-	-	-	55.22	10.00	141.34	-	-	-	3.64	1.119E-06	1.732E-07	0.000E+00	0.000E+00	-	
	SE1012	AREA	828595.1	825955.0	3.9	-	-	-	33.58	10.48	140.81	-	-	-	3.64	1.065E-06	1.650E-07	0.000E+00	0.000E+00	-	
	SE1013	AREA	828696.8	826038.6	3.9	-	-	-	131.54	14.96	140.59	-	-	-	3.64	7.458E-07	1.155E-07	0.000E+00	0.000E+00	-	
	SE1014	AREA	828735.6	826067.4	3.9	-	-	-	48.10	13.33	142.43	-	-	-	3.64	8.412E-07	1.302E-07	0.000E+00	0.000E+00	-	
	SE1015	AREA	828764.3	826083.2	3.9	-	-	-	31.94	11.46	149.52	-	-	-	3.64	9.728E-07	1.506E-07	0.000E+00	0.000E+00	-	
SE1101	AREA	828562.6	825765.6	3.9	-	-	-	17.48	5.97	96.01	-	-	-	3.64	1.151E-07	1.772E-08	0.000E+00	0.000E+00	-		
SE1102	AREA	828556.2	825763.6	3.9	-	-	-	116.69	17.50	140.80	-	-	-	3.64	1.151E-07	1.772E-08	0.000E+00	0.000E+00	-		
SE1103	AREA	828396.8	825788.1	3.9	-	-	-	13.38	128.54	141.65	-	-	-	3.64	1.503E-07	2.314E-08	0.000E+00	0.000E+00	-		
SE1104	AREA	828429.3	825822.1	3.9	-	-	-	53.39	11.01	140.53	-	-	-	3.64	1.831E-07	2.819E-08	0.000E+00	0.000E+00	-		
SE1105	AREA	828465.8	825851.6	3.9	-	-	-	46.84	11.02	140.98	-	-	-	3.64	1.831E-07	2.819E-08	0.000E+00	0.000E+00	-		
SE1106	AREA	828509.8	825888.2	3.9	-	-	-	57.23	11.00	140.07	-	-	-	3.64	1.831E-07	2.819E-08	0.000E+00	0.000E+00	-		
SE1107	AREA	828526.3	825899.3	3.9	-	-	-	19.56	9.99	144.42	-	-	-	3.64	2.015E-07	3.101E-08	0.000E+00	0.000E+00	-		
SE1108	AREA	828569.3	825933.6	3.9	-	-	-	55.22	10.00	141.34	-	-	-	3.64	2.014E-07	3.101E-08	0.000E+00	0.000E+00	-		
SE1109	AREA	828595.1	825955.0	3.9	-	-	-	33.58	10.48	140.81	-	-	-	3.64	1.919E-07	2.954E-08	0.000E+00	0.000E+00	-		
SE1110	AREA	828711.8	826050.9	3.9	-	-	-	151.05	14.96	140.59	-	-	-	3.64	1.343E-07	2.068E-08	0.000E+00	0.000E+00	-		
SE1201	AREA	831038.4	823955.1	3.4	-	-	-	11.00	14.46	96.20	-	-	-	3.15	4.005E-07	6.149E-08	0.000E+00	0.000E+00	-		
SE1202	AREA	831027.9	823970.7	3.4	-	-	-	10.94	22.71	141.14	-	-	-	3.15	4.005E-07	6.150E-08	0.000E+00	0.000E+00	-		
SE1203	AREA	831018.4	823988.8	3.4	-	-	-	11.05	21.50	152.09	-	-	-	3.15	4.005E-07	6.149E-08	0.000E+00	0.000E+00	-		
SE1204	AREA	831032.6	824012.3	3.4	-	-	-	31.64	13.28	138.05	-	-	-	3.15	3.312E-07	5.086E-08	0.000E+00	0.000E+00	-		
SE1205	AREA	831052.6	824032.9	3.4	-	-	-	29.16	13.30	134.05	-	-	-	3.15	3.312E-07	5.086E-08	0.000E+00	0.000E+00	-		
SE1206	AREA	831049.2	824045.0	3.4	-	-	-	16.37	17.32	91.86	-	-	-	3.15	2.547E-07	3.910E-08	0.000E+00	0.000E+00	-		
SE1207	AREA	831053.1	824061.4	3.4	-	-	-	14.99	17.33	103.99	-	-	-	3.15	2.547E-07	3.910E-08	0.000E+00	0.000E+00	-		
SE1208	AREA	831064.4	824073.5	3.4	-	-	-	12.44	15.00	132.47	-	-	-	3.15	2.937E-07	4.510E-08	0.000E+00	0.000E+00	-		
SE1209	AREA	831080.4	824081.8	3.4	-	-	-	14.37	17.99	160.31	-	-	-	3.15	2.448E-07	3.758E-08	0.000E+00	0.000E+00	-		
SE1210	AREA	831102.5	824087.5	3.4	-	-	-	22.03	18.01	165.53	-	-	-	3.15	2.448E-07	3.758E-08	0.000E+00	0.000E+00	-		
SE1211	AREA	831116.6	824092.9	3.4	-	-	-	17.09	13.92	152.17	-	-	-	3.15	3.169E-07	4.867E-08	0.000E+00	0.000E+00	-		
SE1212	AREA	831131.8	824100.1	3.4	-	-	-	16.48	13.89	154.70	-	-	-	3.15	3.169E-07	4.867E-08	0.000E+00	0.000E+00	-		
SE1213	AREA	831134.9	824100.8	3.4	-	-	-	13.90	15.50	90.46	-	-	-	3.15	3.169E-07	4.866E-08	0.000E+00	0.000E+00	-		
SE1214	AREA	831152.6	824100.2	3.4	-	-	-	13.90	17.10	109.43	-	-	-	3.15	3.169E-07	4.867E-08	0.000E+00	0.000E+00	-		
SE1215	AREA	831290.1	824191.0	3.4	-	-	-	14.98	15.32	161.20	-	-	-	3.15	2.879E-07	4.421E-08	0.000E+00	0.000E+00	-		
SE1216	AREA	831295.8	824207.9	3.4	-	-	-	22.70	17.51	118.58	-	-	-	3.15	2.517E-07	3.865E-08	0.000E+00	0.000E+00	-		
SE1217	AREA	831340.2	824275.7	3.4	-	-	-	80.33	17.33	123.23	-	-	-	3.15	2.547E-07	3.910E-08	0.000E+00	0.000E+00	-		
SE1218	AREA	831350.3	824277.6	3.4	-	-	-	14.48	30.48	112.67	-	-	-	3.15	3.038E-07	4.665E-08	0.000E+00	0.000E+00	-		
SE1219	AREA	831377.8	824266.1	3.4	-	-	-	14.47	41.31	108.16	-	-	-	3.15	3.038E-07	4.665E-08	0.000E+00	0.000E+00	-		
SE1220	AREA	831415.1	824253.6	3.4	-	-	-	14.67	13.89	92.32	-	-	-	3.15	2.997E-07	4.602E-08	0.000E+00	0.000E+00	-		
SE1221	AREA	831442.3	824260.6	3.4	-	-	-	18.70	14.73	154.09	-	-	-	3.15	2.997E-07	4.602E-08	0.000E+00	0.000E+00	-		
SE1222	AREA	831445.1	824272.4	3.4	-	-	-	17.42	13.05	109.30	-	-	-	3.15	3.389E-07	5.203E-08	0.000E+00	0.000E+00	-		

Note:

(1) For semi-confined PT1 with mechanical ventilation for exhaust air (i.e., PT2, PT5, PT8, and PT11), the initial lateral dimension of the volume (Syinit) and the initial vertical dimension of the volume (Szinit) are referenced from Table 3-2 in the USEPA's "User's guide for the AMS/EPA Regulatory Model (AERMOD)." i.e., Syinit = Lateral dimension divided by 2.15 and Szinit = Vertical dimension divided by 2.15.





Emission Inventory for AERMOD Model - Emission Associated with Bus and Minibus Terminuses, Heavy Goods Vehicle and Coach Parking Sites (Operation Phase – Year 2033)

Carpark/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)	Lateral dimension (m)	Vertical dimension (m)	Syinit <sup>(1)</sup> (m)	Szinil <sup>(1)</sup> (m)	Max. Hourly Emission Rate					
																NO	NO <sub>2</sub>	RSP		FSP	TSP
																(g/s or g/m <sup>2</sup> /s)					
Container Port Road (ID- 15)	HSE1501	AREA	830941.1	823901.8	3.89	-	-	-	15.30	4.71	134.87	-	-	-	3.61	1.714E-06	8.229E-07	0.000E+00	0.000E+00		
	HSE1502	AREA	830930.4	823902.0	3.89	-	-	-	18.31	15.40	136.76	-	-	-	3.61	1.577E-06	7.549E-07	0.000E+00	0.000E+00		
	HSE1503	AREA	830917.9	823889.5	3.89	-	-	-	21.25	14.40	141.67	-	-	-	3.61	1.695E-06	8.136E-07	0.000E+00	0.000E+00		
	HSE1504	AREA	830900.5	823874.7	3.89	-	-	-	33.97	13.10	127.41	-	-	-	3.61	1.886E-06	9.056E-07	0.000E+00	0.000E+00		
	HSE1505	AREA	830879.1	823846.2	3.89	-	-	-	186.99	12.90	112.85	-	-	-	3.61	1.914E-06	9.189E-07	0.000E+00	0.000E+00		
	HSE1506	AREA	830806.0	823673.6	3.89	-	-	-	46.06	13.60	109.60	-	-	-	3.61	1.813E-06	8.704E-07	0.000E+00	0.000E+00		
	HSE1507	AREA	830802.9	823629.9	3.89	-	-	-	12.40	15.45	161.53	-	-	-	3.61	1.933E-06	9.279E-07	0.000E+00	0.000E+00		
	HSE1508	AREA	830804.6	823619.6	3.89	-	-	-	13.60	62.50	113.55	-	-	-	3.61	1.801E-06	8.646E-07	0.000E+00	0.000E+00		
	HSE1509	AREA	830867.2	823610.0	3.89	-	-	-	19.65	24.20	141.94	-	-	-	3.61	7.479E-08	3.590E-08	0.000E+00	0.000E+00		
	HSE1510	AREA	830875.1	823650.2	3.89	-	-	-	49.21	15.20	99.35	-	-	-	3.61	1.294E-07	6.212E-08	0.000E+00	0.000E+00		
	HSE1511	AREA	830883.3	823684.6	3.89	-	-	-	35.00	13.20	101.80	-	-	-	3.61	1.497E-07	7.184E-08	0.000E+00	0.000E+00		
	HSE1521	AREA	830864.1	823600.9	3.89	-	-	-	26.90	20.33	111.55	-	-	-	3.61	8.308E-07	3.988E-07	0.000E+00	0.000E+00		
	HSE1522	AREA	830878.2	823592.2	3.89	-	-	-	22.60	27.25	90.56	-	-	-	3.61	9.959E-07	4.781E-07	0.000E+00	0.000E+00		
	HSE1523	AREA	830914.3	823587.1	3.89	-	-	-	22.20	17.62	144.16	-	-	-	3.61	1.045E-06	5.017E-07	0.000E+00	0.000E+00		
	HSE1524	AREA	830904.6	823567.3	3.89	-	-	-	18.43	22.30	94.84	-	-	-	3.61	9.948E-07	4.775E-07	0.000E+00	0.000E+00		
HSE1525	AREA	830922.7	823550.5	3.89	-	-	-	17.90	19.09	163.60	-	-	-	3.61	3.158E-07	1.516E-07	0.000E+00	0.000E+00			
HSE1531	AREA	830911.3	823558.8	3.89	-	-	-	18.95	22.50	165.28	-	-	-	3.61	7.592E-07	3.644E-07	0.000E+00	0.000E+00			
Kwai Wo Street (ID- 21)	HSE2101	AREA	830678.0	823813.2	3.85	-	-	-	21.60	22.41	112.92	-	-	-	3.58	1.225E-06	5.938E-07	0.000E+00	0.000E+00		
	HSE2102	AREA	830688.5	823797.0	3.85	-	-	-	109.14	12.80	112.36	-	-	-	3.58	2.104E-06	1.019E-06	0.000E+00	0.000E+00		
	HSE2103	AREA	830659.2	823695.3	3.85	-	-	-	13.00	17.43	164.47	-	-	-	3.58	2.141E-06	1.038E-06	0.000E+00	0.000E+00		
	HSE2104	AREA	830661.4	823684.6	3.85	-	-	-	17.30	39.89	116.27	-	-	-	3.58	1.563E-06	7.572E-07	0.000E+00	0.000E+00		
	HSE2105	AREA	830666.0	823665.4	3.85	-	-	-	13.60	96.42	113.35	-	-	-	3.58	1.892E-06	9.167E-07	0.000E+00	0.000E+00		
	HSE2106	AREA	830784.4	823627.2	3.85	-	-	-	13.60	73.59	112.23	-	-	-	3.58	2.074E-06	1.005E-06	0.000E+00	0.000E+00		
	HSE2107	AREA	830852.3	823600.8	3.85	-	-	-	16.00	23.46	106.62	-	-	-	3.58	1.520E-06	7.365E-07	0.000E+00	0.000E+00		
	HSE2108	AREA	830877.5	823595.6	3.85	-	-	-	21.10	10.96	118.69	-	-	-	3.58	1.180E-06	5.719E-07	0.000E+00	0.000E+00		
	HSE2109	AREA	830904.4	823593.2	3.85	-	-	-	22.81	22.70	178.26	-	-	-	3.58	1.245E-06	6.035E-07	0.000E+00	0.000E+00		
	HSE2110	AREA	830914.4	823587.4	3.85	-	-	-	22.30	19.64	149.84	-	-	-	3.58	1.020E-06	4.940E-07	0.000E+00	0.000E+00		
	HSE2111	AREA	830903.4	823565.7	3.85	-	-	-	14.22	22.40	94.27	-	-	-	3.58	1.090E-06	5.283E-07	0.000E+00	0.000E+00		
	HSE2112	AREA	830922.2	823553.0	3.85	-	-	-	18.00	32.23	164.66	-	-	-	3.58	3.421E-07	1.658E-07	0.000E+00	0.000E+00		
	HSE2121	AREA	830909.0	823560.9	3.85	-	-	-	19.34	22.50	156.19	-	-	-	3.58	8.125E-07	3.937E-07	0.000E+00	0.000E+00		
	HSE2122	AREA	830883.2	823554.4	3.85	-	-	-	22.30	13.02	91.82	-	-	-	3.58	8.329E-07	4.036E-07	0.000E+00	0.000E+00		
	HSE2131	AREA	830861.2	823602.3	3.85	-	-	-	13.32	11.70	164.33	-	-	-	3.58	1.799E-07	8.717E-08	0.000E+00	0.000E+00		
	HSE2132	AREA	830866.9	823609.6	3.85	-	-	-	11.76	13.50	137.55	-	-	-	3.58	1.630E-07	7.900E-08	0.000E+00	0.000E+00		
	HSE2133	AREA	830871.7	823621.0	3.85	-	-	-	15.13	12.30	113.07	-	-	-	3.58	1.738E-07	8.423E-08	0.000E+00	0.000E+00		
	HSE2134	AREA	830872.6	823638.5	3.85	-	-	-	18.92	16.00	99.33	-	-	-	3.58	1.354E-07	6.559E-08	0.000E+00	0.000E+00		
HSE2135	AREA	830880.4	823673.5	3.85	-	-	-	35.64	13.40	100.61	-	-	-	3.58	1.626E-07	7.879E-08	0.000E+00	0.000E+00			
HSE2136	AREA	830887.7	823702.1	3.85	-	-	-	29.11	13.20	103.97	-	-	-	3.58	1.628E-07	7.890E-08	0.000E+00	0.000E+00			

Note:

(1) For semi-confined PT1 with mechanical ventilation for exhaust air (i.e., PT2, PT5, PT8, and PT11), the initial lateral dimension of the volume (Syinit) and the initial vertical dimension of the volume (Szinil) are referenced from Table 3-2 in the USEPA's "User's guide for the AMS/EPA Regulatory Model (AERMOD)." i.e., Syinit = Lateral dimension divided by 2.15 and Szinil = Vertical dimension divided by 2.15.



Routing of Start Emission on Open Road

Terminus	Source ID	Travel Distance outside Bus Terminus (m)	Area (m <sup>2</sup> )	% of Flow	Max. Hourly Emission Rate (g/s)		Max. Hourly Emission Rate (g/m <sup>2</sup> /s)	
					NO	NO <sub>2</sub>	NO	NO <sub>2</sub>
Hoi Kwai Road PT1 (ID: PT1) (Minibus - Diesel)	Total	657	-	100%	1.991E-03	7.744E-04	-	-
	SE101	9	121	100%	2.728E-05	1.061E-05	2.263E-07	8.800E-08
	SE102	17	242	100%	5.152E-05	2.004E-05	2.130E-07	8.285E-08
	SE103	12	172	100%	3.637E-05	1.414E-05	2.113E-07	8.216E-08
	SE104	14	190	100%	4.243E-05	1.650E-05	2.233E-07	8.684E-08
	SE105	67	1065	100%	2.030E-04	7.897E-05	1.907E-07	7.417E-08
	SE106	11	113	61%	2.034E-05	7.909E-06	1.794E-07	6.977E-08
	SE107	9	96	61%	1.664E-05	6.471E-06	1.727E-07	6.716E-08
	SE108	11	141	61%	2.034E-05	7.909E-06	1.445E-07	5.620E-08
	SE109	83	1339	61%	1.534E-04	5.967E-05	1.146E-07	4.457E-08
	SE110	12	196	61%	2.218E-05	8.627E-06	1.132E-07	4.404E-08
	SE111	17	293	61%	3.143E-05	1.222E-05	1.073E-07	4.171E-08
	SE112	51	990	61%	9.428E-05	3.667E-05	9.521E-08	3.703E-08
	SE113	59	998	74%	1.323E-04	5.146E-05	1.325E-07	5.154E-08
	SE114	40	670	74%	8.971E-05	3.489E-05	1.338E-07	5.204E-08
	SE115	20	342	74%	4.485E-05	1.744E-05	1.311E-07	5.099E-08
	SE116	47	848	74%	1.054E-04	4.099E-05	1.243E-07	4.835E-08
	SE117	46	821	74%	1.032E-04	4.012E-05	1.257E-07	4.889E-08
	SE118	35	590	74%	7.849E-05	3.053E-05	1.331E-07	5.178E-08
	SE119	58	812	44%	7.734E-05	3.008E-05	9.521E-08	3.703E-08
	SE120	39	660	44%	5.200E-05	2.023E-05	7.875E-08	3.063E-08
	SE131	37	506	30%	3.364E-05	1.308E-05	6.642E-08	2.583E-08
	SE132	45	618	30%	4.091E-05	1.591E-05	6.620E-08	2.575E-08
	SE141	66	725	39%	7.801E-05	3.034E-05	1.076E-07	4.185E-08
	SE142	16	177	39%	1.891E-05	7.355E-06	1.070E-07	4.162E-08
	SE143	12	137	39%	1.418E-05	5.516E-06	1.033E-07	4.017E-08
SE144	9	104	39%	1.064E-05	4.137E-06	1.023E-07	3.979E-08	
SE145	13	145	39%	1.537E-05	5.976E-06	1.062E-07	4.128E-08	
SE146	93	1071	39%	1.099E-04	4.275E-05	1.026E-07	3.992E-08	
SE151	78	1269	26%	6.146E-05	2.390E-05	4.843E-08	1.883E-08	
SE152	32	527	26%	2.521E-05	9.806E-06	4.781E-08	1.859E-08	
SE153	60	871	26%	4.728E-05	1.839E-05	5.430E-08	2.112E-08	
SE154	159	2289	26%	1.253E-04	4.872E-05	5.474E-08	2.129E-08	
SE161	15	218	2%	9.092E-07	3.536E-07	4.171E-09	1.622E-09	
SE171	15	195	15%	6.819E-06	2.652E-06	3.488E-08	1.357E-08	
Hoi Kwai Road PT1 (ID: PT1) (Minibus - LPG)	Total	107	-	100%	3.461E-03	1.740E-05	-	-
	SE181	9	121	100%	2.911E-04	1.463E-06	2.415E-06	1.214E-08
	SE182	17	242	100%	5.498E-04	2.764E-06	2.274E-06	1.143E-08
	SE183	12	172	100%	3.881E-04	1.951E-06	2.255E-06	1.133E-08
	SE184	14	190	100%	4.528E-04	2.276E-06	2.383E-06	1.198E-08
	SE185	55	884	100%	1.779E-03	8.942E-06	2.013E-06	1.012E-08
Tsuen Wan West Station PT1 (ID: PT2) (Bus)	Total	369	-	100%	2.911E-02	5.869E-03	-	-
	SE201	12	165	100%	9.468E-04	1.909E-04	5.753E-06	1.160E-06
	SE202	220	2924	100%	1.736E-02	3.499E-03	5.936E-06	1.197E-06
	SE203	26	351	100%	2.051E-03	4.135E-04	5.843E-06	1.178E-06
	SE204	47	907	100%	3.708E-03	7.475E-04	4.087E-06	8.240E-07
	SE205	64	1071	100%	5.049E-03	1.018E-03	4.715E-06	9.504E-07
Tsuen Wan West Station PT1 (ID: PT2) (Minibus - Diesel)	Total	543	-	100%	5.474E-04	2.129E-04	-	-
	SE301	24	353	100%	2.419E-05	9.409E-06	6.852E-08	2.665E-08
	SE302	98	954	100%	9.879E-05	3.842E-05	1.036E-07	4.027E-08
	SE303	25	264	100%	2.520E-05	9.801E-06	9.564E-08	3.720E-08
	SE304	97	1655	100%	9.778E-05	3.803E-05	5.906E-08	2.297E-08
	SE305	65	1101	100%	6.552E-05	2.548E-05	5.952E-08	2.315E-08
	SE306	33	423	100%	3.326E-05	1.294E-05	7.863E-08	3.058E-08
	SE307	68	875	100%	6.855E-05	2.666E-05	7.830E-08	3.045E-08
	SE308	40	544	100%	4.032E-05	1.568E-05	7.416E-08	2.884E-08
	SE309	30	402	100%	3.024E-05	1.176E-05	7.517E-08	2.924E-08
	SE310	32	432	100%	3.226E-05	1.255E-05	7.468E-08	2.904E-08
	SE311	31	459	100%	3.125E-05	1.215E-05	6.802E-08	2.646E-08



Routing of Start Emission on Open Road

Terminus	Source ID	Travel Distance outside Bus Terminus (m)	Area (m <sup>2</sup> )	% of Flow	Max. Hourly Emission Rate (g/s)		Max. Hourly Emission Rate (g/m <sup>2</sup> /s)		
					NO	NO <sub>2</sub>	NO	NO <sub>2</sub>	
Kwai Shing Central Bus Terminus (ID: PT3)	Total	665	-	100%	4.229E-03	6.810E-04	-	-	
	SE401	6	55	50%	1.908E-05	3.072E-06	3.463E-07	5.577E-08	
	SE402	159	1494	50%	5.056E-04	8.142E-05	3.384E-07	5.450E-08	
	SE403	8	73	50%	2.544E-05	4.096E-06	3.496E-07	5.631E-08	
	SE404	6	54	50%	1.908E-05	3.072E-06	3.509E-07	5.652E-08	
	SE405	140	1358	50%	4.451E-04	7.169E-05	3.279E-07	5.280E-08	
	SE406	125	1210	50%	3.975E-04	6.401E-05	3.283E-07	5.288E-08	
	SE407	124	1199	50%	3.943E-04	6.349E-05	3.289E-07	5.297E-08	
	SE408	77	804	50%	2.448E-04	3.943E-05	3.046E-07	4.905E-08	
	SE409	20	299	50%	6.359E-05	1.024E-05	2.123E-07	3.420E-08	
	SE411	33	318	50%	1.049E-04	1.690E-05	3.298E-07	5.312E-08	
	SE412	45	434	50%	1.431E-04	2.304E-05	3.295E-07	5.306E-08	
	SE413	14	137	50%	4.451E-05	7.169E-06	3.261E-07	5.252E-08	
	SE414	18	171	50%	5.723E-05	9.217E-06	3.343E-07	5.384E-08	
	SE415	5	56	50%	1.590E-05	2.560E-06	2.832E-07	4.561E-08	
	SE416	63	715	50%	2.003E-04	3.226E-05	2.802E-07	4.512E-08	
	SE417	15	171	50%	4.769E-05	7.681E-06	2.793E-07	4.499E-08	
	SE418	14	158	50%	4.451E-05	7.169E-06	2.813E-07	4.530E-08	
	SE419	14	156	50%	4.451E-05	7.169E-06	2.858E-07	4.602E-08	
	SE420	14	164	50%	4.451E-05	7.169E-06	2.720E-07	4.380E-08	
	SE421	21	232	50%	6.677E-05	1.075E-05	2.881E-07	4.639E-08	
	SE422	155	1748	50%	4.928E-04	7.937E-05	2.819E-07	4.540E-08	
	SE423	16	181	50%	5.087E-05	8.193E-06	2.818E-07	4.538E-08	
	SE424	16	183	50%	5.087E-05	8.193E-06	2.787E-07	4.488E-08	
	SE425	16	186	50%	5.087E-05	8.193E-06	2.740E-07	4.412E-08	
	SE426	16	184	50%	5.087E-05	8.193E-06	2.759E-07	4.444E-08	
	SE427	19	216	50%	6.041E-05	9.729E-06	2.795E-07	4.502E-08	
	SE428	23	258	50%	7.313E-05	1.178E-05	2.832E-07	4.560E-08	
	SE429	26	291	50%	8.267E-05	1.331E-05	2.837E-07	4.569E-08	
	SE430	57	648	50%	1.812E-04	2.919E-05	2.798E-07	4.506E-08	
	SE431	65	738	50%	2.067E-04	3.328E-05	2.801E-07	4.510E-08	
	Total	645	-	100%	2.437E-02	3.888E-03	-	-	
	Riviera Gardens PT1 (ID: PT4) (Bus)	SE501	9	120	100%	3.401E-04	5.424E-05	2.824E-06	4.504E-07
SE502		21	274	100%	7.936E-04	1.266E-04	2.892E-06	4.613E-07	
SE503		117	1664	100%	4.421E-03	7.052E-04	2.657E-06	4.237E-07	
SE504		76	1104	100%	2.872E-03	4.581E-04	2.600E-06	4.148E-07	
SE505		19	281	100%	7.180E-04	1.145E-04	2.553E-06	4.073E-07	
SE506		20	302	100%	7.558E-04	1.205E-04	2.506E-06	3.997E-07	
SE507		20	290	100%	7.558E-04	1.205E-04	2.608E-06	4.160E-07	
SE508		18	263	100%	6.802E-04	1.085E-04	2.591E-06	4.132E-07	
SE509		18	263	100%	6.802E-04	1.085E-04	2.590E-06	4.131E-07	
SE510		19	277	100%	7.180E-04	1.145E-04	2.593E-06	4.135E-07	
SE511		19	274	100%	7.180E-04	1.145E-04	2.621E-06	4.180E-07	
SE512		20	300	100%	7.558E-04	1.205E-04	2.520E-06	4.020E-07	
SE513		21	312	100%	7.936E-04	1.266E-04	2.544E-06	4.057E-07	
SE514		24	351	100%	9.069E-04	1.447E-04	2.585E-06	4.123E-07	
SE515		97	1603	100%	3.666E-03	5.846E-04	2.287E-06	3.648E-07	
SE516		25	491	100%	9.447E-04	1.507E-04	1.924E-06	3.069E-07	
SE517		29	560	100%	1.096E-03	1.748E-04	1.956E-06	3.120E-07	
SE518		73	1084	67%	1.848E-03	2.948E-04	1.705E-06	2.719E-07	
SE521		73	1020	33%	9.103E-04	1.452E-04	8.928E-07	1.424E-07	
Total		645	-	100%	9.563E-04	3.719E-04	-	-	
Riviera Gardens PT1 (ID: PT4) (Minibus - Diesel)		SE601	7	69	100%	1.038E-05	4.037E-06	1.506E-07	5.858E-08
		SE602	15	143	100%	2.224E-05	8.650E-06	1.557E-07	6.056E-08
		SE603	147	1416	100%	2.180E-04	8.477E-05	1.539E-07	5.987E-08
	SE604	10	99	100%	1.483E-05	5.767E-06	1.501E-07	5.837E-08	
	SE605	9	86	100%	1.334E-05	5.190E-06	1.554E-07	6.043E-08	
	SE606	12	111	100%	1.779E-05	6.920E-06	1.603E-07	6.235E-08	
	SE607	105	1010	100%	1.557E-04	6.055E-05	1.541E-07	5.993E-08	
	SE608	4	35	100%	5.931E-06	2.307E-06	1.676E-07	6.518E-08	
	SE609	4	38	100%	5.931E-06	2.307E-06	1.550E-07	6.030E-08	
	SE610	6	60	100%	8.896E-06	3.460E-06	1.482E-07	5.763E-08	
	SE611	154	1477	100%	2.283E-04	8.881E-05	1.546E-07	6.014E-08	
	SE612	8	73	100%	1.186E-05	4.613E-06	1.618E-07	6.292E-08	
	SE613	88	847	100%	1.305E-04	5.075E-05	1.540E-07	5.989E-08	
	SE614	76	1104	100%	1.127E-04	4.383E-05	1.020E-07	3.968E-08	
	Total	95	-	100%	1.328E-03	6.673E-06	-	-	
	Riviera Gardens PT1 (ID: PT4) (Minibus - LPG)	SE621	7	69	100%	9.785E-05	4.917E-07	1.420E-06	7.136E-09
SE622		15	143	100%	2.097E-04	1.054E-06	1.468E-06	7.376E-09	
SE623		73	700	100%	1.020E-03	5.127E-06	1.457E-06	7.322E-09	

### Routing of Start Emission on Open Road

Terminus	Source ID	Travel Distance outside Bus Terminus (m)	Area (m <sup>2</sup> )	% of Flow	Max. Hourly Emission Rate (g/s)		Max. Hourly Emission Rate (g/m <sup>2</sup> /s)	
					NO	NO <sub>2</sub>	NO	NO <sub>2</sub>
Riviera Gardens PTI (ID: PT4) (NFB)	Total	645	-	100%	2.055E-03	9.932E-04	-	-
	SE1501	9	120	100%	2.867E-05	1.386E-05	2.380E-07	1.151E-07
	SE1502	21	274	100%	6.689E-05	3.234E-05	2.438E-07	1.179E-07
	SE1503	117	1664	100%	3.727E-04	1.802E-04	2.239E-07	1.082E-07
	SE1504	76	1104	100%	2.421E-04	1.170E-04	2.192E-07	1.060E-07
	SE1505	19	281	100%	6.052E-05	2.926E-05	2.152E-07	1.040E-07
	SE1506	20	302	100%	6.371E-05	3.080E-05	2.112E-07	1.021E-07
	SE1507	20	290	100%	6.371E-05	3.080E-05	2.198E-07	1.063E-07
	SE1508	18	263	100%	5.734E-05	2.772E-05	2.184E-07	1.056E-07
	SE1509	18	263	100%	5.734E-05	2.772E-05	2.183E-07	1.055E-07
	SE1510	19	277	100%	6.052E-05	2.926E-05	2.186E-07	1.056E-07
	SE1511	19	274	100%	6.052E-05	2.926E-05	2.209E-07	1.068E-07
	SE1512	20	300	100%	6.371E-05	3.080E-05	2.125E-07	1.027E-07
	SE1513	21	312	100%	6.689E-05	3.234E-05	2.144E-07	1.036E-07
	SE1514	24	351	100%	7.645E-05	3.696E-05	2.179E-07	1.053E-07
	SE1515	97	1641	100%	3.090E-04	1.494E-04	1.883E-07	9.100E-08
	SE1516	25	516	100%	7.963E-05	3.850E-05	1.542E-07	7.453E-08
	SE1517	29	589	100%	9.238E-05	4.466E-05	1.568E-07	7.579E-08
SE1518	73	1027	100%	2.325E-04	1.124E-04	2.264E-07	1.095E-07	
Total	625	-	100%	1.579E-02	2.639E-03	-	-	
Nina Tower Bus Terminus (ID: PT5) (Bus)	SE701	25	371	100%	6.315E-04	1.055E-04	1.702E-06	2.845E-07
	SE702	108	1440	100%	2.728E-03	4.560E-04	1.895E-06	3.167E-07
	SE703	26	351	100%	6.568E-04	1.098E-04	1.871E-06	3.127E-07
	SE704	52	1009	100%	1.314E-03	2.195E-04	1.301E-06	2.175E-07
	SE705	58	982	85%	1.245E-03	2.081E-04	1.268E-06	2.119E-07
	SE706	40	670	85%	8.589E-04	1.435E-04	1.281E-06	2.141E-07
	SE707	20	342	85%	4.294E-04	7.177E-05	1.255E-06	2.098E-07
	SE708	47	959	85%	1.009E-03	1.687E-04	1.053E-06	1.760E-07
	SE709	46	821	75%	8.715E-04	1.457E-04	1.062E-06	1.775E-07
	SE710	35	590	75%	6.631E-04	1.108E-04	1.125E-06	1.880E-07
	SE711	58	812	75%	1.099E-03	1.837E-04	1.353E-06	2.261E-07
	SE712	40	677	75%	7.578E-04	1.267E-04	1.119E-06	1.870E-07
	SE713	70	1196	75%	1.326E-03	2.217E-04	1.109E-06	1.853E-07
	SE721	13	169	10%	3.284E-05	5.489E-06	1.939E-07	3.240E-08
	SE722	14	183	10%	3.537E-05	5.911E-06	1.934E-07	3.233E-08
	SE723	14	227	10%	3.537E-05	5.911E-06	1.558E-07	2.604E-08
	SE724	16	283	10%	4.042E-05	6.755E-06	1.428E-07	2.386E-08
	SE725	58	1045	10%	1.465E-04	2.449E-05	1.402E-07	2.343E-08
	SE726	123	1808	10%	3.107E-04	5.193E-05	1.718E-07	2.871E-08
	SE727	11	160	10%	2.779E-05	4.644E-06	1.741E-07	2.910E-08
	SE731	78	1278	15%	2.956E-04	4.940E-05	2.313E-07	3.866E-08
	SE732	32	550	15%	1.213E-04	2.027E-05	2.204E-07	3.684E-08
	SE733	60	871	15%	2.274E-04	3.800E-05	2.611E-07	4.364E-08
	SE734	198	2856	15%	7.503E-04	1.254E-04	2.627E-07	4.391E-08
	SE735	46	1098	15%	1.743E-04	2.913E-05	1.587E-07	2.653E-08

Routing of Start Emission on Open Road

Terminus	Source ID	Travel Distance outside Bus Terminus (m)	Area (m <sup>2</sup> )	% of Flow	Max. Hourly Emission Rate (g/s)		Max. Hourly Emission Rate (g/m <sup>2</sup> /s)		
					NO	NO <sub>2</sub>	NO	NO <sub>2</sub>	
Kwai Fong Station PTI (ID:PT6) (Bus)	Total	644	-	100%	1.775E-02	2.751E-03	-	-	
	SE801	5	65	100%	1.378E-04	2.135E-05	2.111E-06	3.271E-07	
	SE802	34	495	100%	9.369E-04	1.452E-04	1.893E-06	2.934E-07	
	SE803	32	552	100%	8.818E-04	1.367E-04	1.598E-06	2.477E-07	
	SE804	69	1197	100%	1.901E-03	2.947E-04	1.589E-06	2.462E-07	
	SE805	11	157	93%	2.819E-04	4.369E-05	1.792E-06	2.777E-07	
	SE806	19	280	93%	4.869E-04	7.547E-05	1.739E-06	2.695E-07	
	SE807	55	795	93%	1.410E-03	2.185E-04	1.774E-06	2.749E-07	
	SE808	10	150	93%	2.563E-04	3.972E-05	1.708E-06	2.647E-07	
	SE809	16	230	93%	4.100E-04	6.355E-05	1.783E-06	2.763E-07	
	SE810	54	719	93%	1.384E-03	2.145E-04	1.924E-06	2.983E-07	
	SE811	60	802	93%	1.538E-03	2.383E-04	1.918E-06	2.972E-07	
	SE812	77	1029	93%	1.973E-03	3.058E-04	1.917E-06	2.971E-07	
	SE813	30	395	93%	7.688E-04	1.192E-04	1.944E-06	3.014E-07	
	SE814	123	2151	93%	3.152E-03	4.886E-04	1.465E-06	2.271E-07	
	SE815	49	782	93%	1.256E-03	1.946E-04	1.607E-06	2.490E-07	
	SE821	27	367	7%	5.208E-05	8.072E-06	1.419E-07	2.199E-08	
	SE822	17	224	7%	3.279E-05	5.082E-06	1.466E-07	2.272E-08	
	SE823	35	466	7%	6.751E-05	1.046E-05	1.449E-07	2.245E-08	
	SE824	22	375	7%	4.244E-05	6.577E-06	1.131E-07	1.753E-08	
	SE825	95	1612	7%	1.833E-04	2.840E-05	1.137E-07	1.762E-08	
	SE826	9	133	7%	1.736E-05	2.691E-06	1.306E-07	2.024E-08	
	SE827	14	200	7%	2.701E-05	4.186E-06	1.354E-07	2.098E-08	
	SE828	14	207	7%	2.701E-05	4.186E-06	1.303E-07	2.020E-08	
	SE829	42	606	7%	8.102E-05	1.256E-05	1.338E-07	2.073E-08	
	SE830	34	489	7%	6.559E-05	1.016E-05	1.342E-07	2.079E-08	
	SE831	112	1619	7%	2.160E-04	3.348E-05	1.335E-07	2.069E-08	
	SE832	45	809	7%	8.680E-05	1.345E-05	1.073E-07	1.663E-08	
	SE833	38	987	7%	7.330E-05	1.136E-05	7.429E-08	1.151E-08	
	Lai King North Bus Terminus (ID: PT7)	Total	675	-	100%	2.567E-03	3.959E-04	-	-
		SE901	5	69	100%	1.893E-05	2.919E-06	2.736E-07	4.220E-08
		SE902	33	461	100%	1.261E-04	1.945E-05	2.736E-07	4.220E-08
		SE903	33	417	100%	1.250E-04	1.928E-05	2.995E-07	4.618E-08
SE904		25	287	100%	9.645E-05	1.488E-05	3.366E-07	5.190E-08	
SE905		99	1055	100%	3.749E-04	5.781E-05	3.554E-07	5.482E-08	
SE906		33	356	100%	1.266E-04	1.953E-05	3.554E-07	5.482E-08	
SE907		18	185	100%	6.712E-05	1.035E-05	3.622E-07	5.586E-08	
SE908		17	162	100%	6.497E-05	1.002E-05	4.003E-07	6.174E-08	
SE909		22	205	100%	8.209E-05	1.266E-05	4.003E-07	6.174E-08	
SE910		14	132	100%	5.279E-05	8.141E-06	4.003E-07	6.174E-08	
SE911		12	122	100%	4.423E-05	6.822E-06	3.622E-07	5.586E-08	
SE912		20	205	100%	7.424E-05	1.145E-05	3.622E-07	5.586E-08	
SE913		19	202	100%	7.332E-05	1.131E-05	3.622E-07	5.586E-08	
SE914		15	161	100%	5.836E-05	9.000E-06	3.622E-07	5.586E-08	
SE915		24	247	100%	8.951E-05	1.380E-05	3.622E-07	5.586E-08	
SE916		16	169	100%	6.129E-05	9.453E-06	3.622E-07	5.586E-08	
SE917		26	293	100%	9.861E-05	1.521E-05	3.366E-07	5.190E-08	
SE918		31	348	100%	1.173E-04	1.809E-05	3.366E-07	5.190E-08	
SE919		21	331	100%	8.129E-05	1.254E-05	2.454E-07	3.784E-08	
SE920		22	344	100%	8.448E-05	1.303E-05	2.454E-07	3.784E-08	
SE921		15	259	100%	5.700E-05	8.790E-06	2.198E-07	3.390E-08	
SE922		15	260	100%	5.721E-05	8.823E-06	2.198E-07	3.390E-08	
SE923		13	231	100%	5.073E-05	7.823E-06	2.198E-07	3.390E-08	
SE924		20	338	100%	7.436E-05	1.147E-05	2.198E-07	3.390E-08	
SE925		16	284	100%	6.233E-05	9.612E-06	2.198E-07	3.390E-08	
SE926		15	260	100%	5.709E-05	8.804E-06	2.198E-07	3.390E-08	
SE927		12	187	100%	4.731E-05	7.296E-06	2.535E-07	3.910E-08	
SE928		14	258	100%	5.461E-05	8.423E-06	2.113E-07	3.258E-08	
SE929		22	397	100%	8.383E-05	1.293E-05	2.113E-07	3.258E-08	
SE930		17	238	100%	6.509E-05	1.004E-05	2.736E-07	4.220E-08	
SE931		11	149	100%	4.086E-05	6.302E-06	2.736E-07	4.220E-08	
Bayview Garden Bus Terminus (ID: PT8)		Total	660	-	100%	7.384E-03	1.143E-03	-	-
	SE1001	8	79	100%	9.103E-05	1.409E-05	1.153E-06	1.786E-07	
	SE1002	49	480	100%	5.531E-04	8.563E-05	1.153E-06	1.786E-07	
	SE1003	26	258	100%	2.886E-04	4.467E-05	1.119E-06	1.732E-07	
	SE1004	27	274	100%	3.065E-04	4.745E-05	1.119E-06	1.732E-07	
	SE1005	25	250	100%	2.796E-04	4.328E-05	1.119E-06	1.732E-07	
	SE1006	47	515	100%	5.238E-04	8.109E-05	1.017E-06	1.575E-07	
	SE1007	53	587	100%	5.974E-04	9.249E-05	1.017E-06	1.575E-07	
	SE1008	47	515	100%	5.242E-04	8.116E-05	1.017E-06	1.575E-07	
	SE1009	57	630	100%	6.403E-04	9.913E-05	1.017E-06	1.575E-07	
	SE1010	20	195	100%	2.187E-04	3.386E-05	1.119E-06	1.732E-07	
	SE1011	55	552	100%	6.178E-04	9.565E-05	1.119E-06	1.732E-07	
	SE1012	34	352	100%	3.755E-04	5.813E-05	1.065E-06	1.650E-07	
	SE1013	132	1973	100%	1.471E-03	2.278E-04	7.458E-07	1.155E-07	
	SE1014	48	640	100%	5.384E-04	8.336E-05	8.412E-07	1.302E-07	
SE1015	32	367	100%	3.569E-04	5.525E-05	9.728E-07	1.506E-07		

Routing of Start Emission on Open Road

Terminus	Source ID	Travel Distance outside Bus Terminus (m)	Area (m <sup>2</sup> )	% of Flow	Max. Hourly Emission Rate (g/s)		Max. Hourly Emission Rate (g/m <sup>2</sup> /s)	
					NO	NO <sub>2</sub>	NO	NO <sub>2</sub>
Belvedere Garden Bus Terminus (ID: PT9)	Total	668	-	100%	1.346E-03	2.072E-04	-	-
	SE1101	6	104	100%	1.200E-05	1.847E-06	1.151E-07	1.772E-08
	SE1102	117	2042	100%	2.351E-04	3.619E-05	1.151E-07	1.772E-08
	SE1103	129	1722	100%	2.589E-04	3.986E-05	1.503E-07	2.314E-08
	SE1104	53	587	100%	1.076E-04	1.656E-05	1.831E-07	2.819E-08
	SE1105	47	515	100%	9.440E-05	1.453E-05	1.831E-07	2.819E-08
	SE1106	57	630	100%	1.153E-04	1.775E-05	1.831E-07	2.819E-08
	SE1107	20	195	100%	3.938E-05	6.062E-06	2.015E-07	3.101E-08
	SE1108	55	552	100%	1.112E-04	1.713E-05	2.014E-07	3.101E-08
	SE1109	34	352	100%	6.762E-05	1.041E-05	1.919E-07	2.954E-08
	SE1110	151	2265	100%	3.042E-04	4.683E-05	1.343E-07	2.068E-08
Kwai Fong South Bus Terminus (ID: PT10) *SE1291 and SE1291 are emitted inside PT16	Total	660	-	100%	2.908E-03	4.465E-04	-	-
	SE1201	14	159	100%	6.368E-05	9.778E-06	4.005E-07	6.149E-08
	SE1202	23	249	100%	9.982E-05	1.533E-05	4.005E-07	6.150E-08
	SE1203	22	237	100%	9.495E-05	1.458E-05	4.005E-07	6.149E-08
	SE1204	32	420	100%	1.393E-04	2.139E-05	3.312E-07	5.086E-08
	SE1205	29	388	100%	1.285E-04	1.973E-05	3.312E-07	5.086E-08
	SE1206	16	284	100%	7.220E-05	1.109E-05	2.547E-07	3.910E-08
	SE1207	15	260	100%	6.613E-05	1.015E-05	2.547E-07	3.910E-08
	SE1208	12	187	100%	5.480E-05	8.415E-06	2.937E-07	4.510E-08
	SE1209	14	258	100%	6.326E-05	9.714E-06	2.448E-07	3.758E-08
	SE1210	22	397	100%	9.711E-05	1.491E-05	2.448E-07	3.758E-08
	SE1211	17	238	100%	7.541E-05	1.158E-05	3.169E-07	4.867E-08
	SE1212	16	229	100%	7.258E-05	1.114E-05	3.169E-07	4.867E-08
	SE1213	15	215	100%	6.828E-05	1.048E-05	3.169E-07	4.866E-08
	SE1214	17	238	100%	7.533E-05	1.157E-05	3.169E-07	4.867E-08
	SE1215	15	230	100%	6.609E-05	1.015E-05	2.879E-07	4.421E-08
	SE1216	23	397	100%	1.000E-04	1.536E-05	2.517E-07	3.865E-08
	SE1217	80	1390	100%	3.541E-04	5.437E-05	2.547E-07	3.910E-08
	SE1218	30	442	100%	1.342E-04	2.060E-05	3.038E-07	4.665E-08
	SE1219	41	599	100%	1.819E-04	2.792E-05	3.038E-07	4.665E-08
	SE1220	14	204	100%	6.106E-05	9.375E-06	2.997E-07	4.602E-08
	SE1221	19	275	100%	8.251E-05	1.267E-05	2.997E-07	4.602E-08
	SE1222	17	227	100%	7.696E-05	1.182E-05	3.389E-07	5.203E-08
SE1291*	101	-	100%	4.430E-04	6.802E-05	-	-	
SE1292*	54	-	100%	2.371E-04	3.641E-05	-	-	
Kwai Tsui Estate Bus Terminus (ID: PT11)	Total	673	-	100%	4.935E-03	8.123E-04	-	-
	SE1301	10	157	100%	7.545E-05	1.242E-05	4.793E-07	7.889E-08
	SE1302	92	1342	100%	6.743E-04	1.110E-04	5.023E-07	8.267E-08
	SE1303	15	255	100%	1.098E-04	1.807E-05	4.314E-07	7.100E-08
	SE1304	12	208	100%	8.988E-05	1.479E-05	4.314E-07	7.100E-08
	SE1305	41	595	100%	3.029E-04	4.986E-05	5.093E-07	8.382E-08
	SE1306	14	193	100%	1.054E-04	1.735E-05	5.473E-07	9.008E-08
	SE1307	14	209	100%	1.057E-04	1.739E-05	5.057E-07	8.324E-08
	SE1308	12	174	100%	8.806E-05	1.449E-05	5.057E-07	8.324E-08
	SE1309	13	184	100%	9.287E-05	1.529E-05	5.057E-07	8.324E-08
	SE1310	17	240	100%	1.211E-04	1.994E-05	5.057E-07	8.324E-08
	SE1311	23	395	100%	1.673E-04	2.753E-05	4.239E-07	6.977E-08
	SE1312	16	255	100%	1.167E-04	1.920E-05	4.583E-07	7.544E-08
	SE1313	15	243	100%	1.115E-04	1.835E-05	4.583E-07	7.544E-08
	SE1314	15	259	100%	1.099E-04	1.809E-05	4.239E-07	6.977E-08
	SE1315	15	260	100%	1.103E-04	1.816E-05	4.239E-07	6.977E-08
	SE1316	13	231	100%	9.781E-05	1.610E-05	4.239E-07	6.977E-08
	SE1317	20	338	100%	1.434E-04	2.360E-05	4.239E-07	6.977E-08
	SE1318	16	284	100%	1.202E-04	1.978E-05	4.239E-07	6.977E-08
	SE1319	15	260	100%	1.101E-04	1.812E-05	4.239E-07	6.977E-08
	SE1320	12	187	100%	9.122E-05	1.502E-05	4.889E-07	8.047E-08
	SE1321	14	258	100%	1.053E-04	1.733E-05	4.074E-07	6.706E-08
	SE1322	22	397	100%	1.616E-04	2.661E-05	4.074E-07	6.706E-08
	SE1323	17	238	100%	1.255E-04	2.066E-05	5.276E-07	8.684E-08
	SE1324	16	229	100%	1.208E-04	1.988E-05	5.276E-07	8.684E-08
	SE1325	15	215	100%	1.137E-04	1.871E-05	5.276E-07	8.684E-08
	SE1326	17	238	100%	1.254E-04	2.064E-05	5.276E-07	8.684E-08
	SE1327	35	658	100%	2.595E-04	4.271E-05	3.943E-07	6.489E-08
	SE1328	10	134	100%	6.994E-05	1.151E-05	5.238E-07	8.622E-08
	SE1329	9	130	100%	6.812E-05	1.121E-05	5.238E-07	8.622E-08
	SE1330	43	584	100%	3.128E-04	5.148E-05	5.353E-07	8.810E-08
	SE1331	48	619	100%	3.491E-04	5.746E-05	5.641E-07	9.285E-08
	SE1332	25	338	100%	1.810E-04	2.979E-05	5.353E-07	8.810E-08

Routing of Start Emission on Open Road

Terminus	Source ID	Travel Distance outside Bus Terminus (m)	Area (m <sup>2</sup> )	% of Flow	Max. Hourly Emission Rate (g/s)		Max. Hourly Emission Rate (g/m <sup>2</sup> /s)	
					NO	NO <sub>2</sub>	NO	NO <sub>2</sub>
Allway Garden Bus Terminus (ID: PT12)	Total	666	-	100%	6.004E-03	9.238E-04	-	-
	SE1401	2	31	100%	2.130E-05	1.978E-05	6.934E-07	6.440E-07
	SE1402	17	220	100%	1.524E-04	1.416E-04	6.934E-07	6.440E-07
	SE1403	17	221	100%	1.489E-04	1.383E-04	6.727E-07	6.247E-07
	SE1404	14	193	100%	1.297E-04	1.205E-04	6.727E-07	6.247E-07
	SE1405	20	269	100%	1.812E-04	1.683E-04	6.727E-07	6.247E-07
	SE1406	17	234	100%	1.575E-04	1.462E-04	6.727E-07	6.247E-07
	SE1407	15	207	100%	1.394E-04	1.295E-04	6.727E-07	6.247E-07
	SE1408	14	186	100%	1.252E-04	1.162E-04	6.727E-07	6.247E-07
	SE1409	27	355	100%	2.390E-04	2.219E-04	6.727E-07	6.247E-07
	SE1410	65	865	100%	5.819E-04	5.403E-04	6.727E-07	6.247E-07
	SE1411	28	384	100%	2.509E-04	2.330E-04	6.532E-07	6.066E-07
	SE1412	17	225	100%	1.551E-04	1.441E-04	6.881E-07	6.390E-07
	SE1413	17	215	100%	1.488E-04	1.382E-04	6.934E-07	6.440E-07
	SE1414	28	328	100%	2.569E-04	2.386E-04	7.839E-07	7.279E-07
	SE1415	81	806	100%	7.270E-04	6.752E-04	9.015E-07	8.371E-07
	SE1416	18	183	100%	1.654E-04	1.536E-04	9.015E-07	8.371E-07
	SE1417	15	147	100%	1.329E-04	1.234E-04	9.015E-07	8.371E-07
	SE1418	14	143	100%	1.288E-04	1.196E-04	9.015E-07	8.371E-07
	SE1419	14	139	100%	1.255E-04	1.166E-04	9.015E-07	8.371E-07
	SE1420	15	149	100%	1.346E-04	1.250E-04	9.015E-07	8.371E-07
	SE1421	14	138	100%	1.245E-04	1.156E-04	9.015E-07	8.371E-07
	SE1422	11	110	100%	9.889E-05	9.183E-05	9.015E-07	8.372E-07
	SE1423	12	116	100%	1.041E-04	9.670E-05	9.015E-07	8.371E-07
	SE1424	9	94	100%	8.519E-05	7.911E-05	9.015E-07	8.371E-07
	SE1425	16	159	100%	1.437E-04	1.335E-04	9.015E-07	8.372E-07
	SE1426	48	476	100%	4.292E-04	3.986E-04	9.015E-07	8.371E-07
	SE1427	15	147	100%	1.326E-04	1.231E-04	9.015E-07	8.371E-07
	SE1428	12	117	100%	1.073E-04	9.968E-05	9.199E-07	8.542E-07
	SE1429	15	143	100%	1.317E-04	1.223E-04	9.199E-07	8.542E-07
SE1430	15	147	100%	1.355E-04	1.258E-04	9.198E-07	8.542E-07	
SE1431	12	114	100%	1.048E-04	9.733E-05	9.199E-07	8.542E-07	
SE1432	10	103	100%	9.443E-05	8.769E-05	9.199E-07	8.542E-07	
SE1433	10	102	100%	9.176E-05	8.521E-05	9.015E-07	8.372E-07	
SE1434	13	127	100%	1.149E-04	1.067E-04	9.015E-07	8.372E-07	
Container Port Road South (ID: 2)	Total	350	-	100%	6.353E-03	2.930E-03	-	-
	HSE201	6	98	100%	1.089E-04	5.023E-05	1.117E-06	5.150E-07
	HSE202	34	600	100%	6.171E-04	2.846E-04	1.029E-06	4.747E-07
	HSE203	40	705	100%	7.260E-04	3.349E-04	1.030E-06	4.752E-07
	HSE204	67	1164	100%	1.216E-03	5.609E-04	1.045E-06	4.821E-07
	HSE205	37	815	100%	6.716E-04	3.097E-04	8.240E-07	3.801E-07
	HSE206	41	887	10%	7.442E-05	3.432E-05	8.392E-08	3.871E-08
	HSE207	37	587	10%	6.716E-05	3.097E-05	1.143E-07	5.274E-08
	HSE208	36	471	10%	6.534E-05	3.014E-05	1.386E-07	6.394E-08
	HSE209	30	391	10%	5.445E-05	2.511E-05	1.394E-07	6.428E-08
	HSE210	22	287	10%	3.993E-05	1.842E-05	1.392E-07	6.420E-08
	HSE221	74	1634	90%	1.209E-03	5.575E-04	7.397E-07	3.412E-07
	HSE222	26	449	90%	4.247E-04	1.959E-04	9.457E-07	4.362E-07
	HSE223	66	1120	90%	1.078E-03	4.973E-04	9.628E-07	4.441E-07

Routing of Start Emission on Open Road

Terminus	Source ID	Travel Distance outside Bus Terminus (m)	Area (m <sup>2</sup> )	% of Flow	Max. Hourly Emission Rate (g/s)		Max. Hourly Emission Rate (g/m <sup>2</sup> /s)	
					NO	NO <sub>2</sub>	NO	NO <sub>2</sub>
Kwai Tai Road (ID: 6)	Total	533	-	100%	2.520E-03	1.215E-03	-	-
	HSE601	10	133	100%	4.728E-05	2.279E-05	3.558E-07	1.715E-07
	HSE602	30	383	77%	1.092E-04	5.266E-05	2.849E-07	1.374E-07
	HSE603	35	433	77%	1.274E-04	6.143E-05	2.943E-07	1.419E-07
	HSE604	23	240	77%	8.373E-05	4.037E-05	3.489E-07	1.682E-07
	HSE605	24	248	77%	8.738E-05	4.212E-05	3.526E-07	1.700E-07
	HSE606	10	134	77%	3.641E-05	1.755E-05	2.707E-07	1.305E-07
	HSE607	11	148	77%	4.005E-05	1.931E-05	2.715E-07	1.309E-07
	HSE608	20	242	77%	7.281E-05	3.510E-05	3.010E-07	1.451E-07
	HSE609	10	128	77%	3.641E-05	1.755E-05	2.847E-07	1.373E-07
	HSE610	29	438	77%	1.056E-04	5.090E-05	2.410E-07	1.162E-07
	HSE611	11	167	72%	3.745E-05	1.805E-05	2.237E-07	1.079E-07
	HSE612	9	128	72%	3.064E-05	1.477E-05	2.394E-07	1.154E-07
	HSE613	10	150	72%	3.404E-05	1.641E-05	2.266E-07	1.093E-07
	HSE614	46	465	72%	1.566E-04	7.550E-05	3.368E-07	1.624E-07
	HSE615	25	257	72%	8.511E-05	4.103E-05	3.310E-07	1.596E-07
	HSE616	20	205	72%	6.808E-05	3.282E-05	3.316E-07	1.599E-07
	HSE617	22	221	72%	7.489E-05	3.611E-05	3.386E-07	1.633E-07
	HSE618	18	235	72%	6.128E-05	2.954E-05	2.610E-07	1.258E-07
	HSE619	26	367	72%	8.851E-05	4.267E-05	2.415E-07	1.164E-07
	HSE620	25	297	72%	8.511E-05	4.103E-05	2.861E-07	1.379E-07
	HSE621	14	190	72%	4.766E-05	2.298E-05	2.502E-07	1.206E-07
	HSE622	25	326	72%	8.511E-05	4.103E-05	2.608E-07	1.257E-07
	HSE623	80	1060	72%	2.723E-04	1.313E-04	2.570E-07	1.239E-07
	HSE631	11	113	5%	2.600E-06	1.254E-06	2.296E-08	1.107E-08
	HSE632	12	120	5%	2.837E-06	1.368E-06	2.368E-08	1.142E-08
	HSE633	13	141	5%	3.073E-06	1.482E-06	2.184E-08	1.053E-08
	HSE634	28	306	5%	6.619E-06	3.191E-06	2.164E-08	1.043E-08
	HSE635	53	589	5%	1.253E-05	6.041E-06	2.129E-08	1.026E-08
	HSE636	87	972	5%	2.057E-05	9.916E-06	2.117E-08	1.020E-08
	HSE637	87	973	5%	2.057E-05	9.916E-06	2.114E-08	1.019E-08
	HSE638	17	194	5%	4.019E-06	1.938E-06	2.077E-08	1.001E-08
	HSE639	17	185	5%	4.019E-06	1.938E-06	2.173E-08	1.048E-08
HSE640	6	67	5%	1.418E-06	6.838E-07	2.110E-08	1.017E-08	
HSE651	9	113	23%	9.787E-06	4.719E-06	8.675E-08	4.182E-08	
HSE652	75	1480	23%	8.156E-05	3.932E-05	5.510E-08	2.656E-08	
HSE653	26	327	23%	2.827E-05	1.363E-05	8.647E-08	4.169E-08	
HSE654	59	736	23%	6.416E-05	3.093E-05	8.714E-08	4.201E-08	
HSE655	147	1831	23%	1.599E-04	7.707E-05	8.729E-08	4.208E-08	
HSE656	78	973	23%	8.482E-05	4.089E-05	8.718E-08	4.203E-08	
HSE657	139	2063	23%	1.512E-04	7.288E-05	7.327E-08	3.532E-08	
Container Port Road (ID: 15)	Total	490	-	100%	1.210E-02	5.808E-03	-	-
	HSE1501	5	72	100%	1.235E-04	5.927E-05	1.714E-06	8.229E-07
	HSE1502	18	282	100%	4.445E-04	2.134E-04	1.577E-06	7.569E-07
	HSE1503	21	306	100%	5.186E-04	2.489E-04	1.695E-06	8.136E-07
	HSE1504	34	445	100%	8.396E-04	4.030E-04	1.886E-06	9.056E-07
	HSE1505	187	2412	100%	4.618E-03	2.217E-03	1.914E-06	9.189E-07
	HSE1506	46	626	100%	1.136E-03	5.453E-04	1.813E-06	8.704E-07
	HSE1507	15	192	100%	3.704E-04	1.778E-04	1.933E-06	9.279E-07
	HSE1508	62	850	100%	1.531E-03	7.349E-04	1.801E-06	8.646E-07
	HSE1509	18	475	8%	3.556E-05	1.707E-05	7.479E-08	3.590E-08
	HSE1510	49	748	8%	9.680E-05	4.647E-05	1.294E-07	6.212E-08
	HSE1511	35	462	8%	6.914E-05	3.319E-05	1.497E-07	7.184E-08
	HSE1521	20	547	92%	4.544E-04	2.181E-04	8.308E-07	3.988E-07
	HSE1522	27	616	92%	6.134E-04	2.944E-04	9.959E-07	4.781E-07
	HSE1523	18	391	92%	4.089E-04	1.963E-04	1.045E-06	5.017E-07
	HSE1524	18	411	92%	4.089E-04	1.963E-04	9.948E-07	4.775E-07
	HSE1525	19	342	23%	1.079E-04	5.180E-05	3.158E-07	1.516E-07
	HSE1531	19	426	69%	3.237E-04	1.554E-04	7.592E-07	3.644E-07

Routing of Start Emission on Open Road

Terminus	Source ID	Travel Distance outside Bus Terminus (m)	Area (m <sup>2</sup> )	% of Flow	Max. Hourly Emission Rate (g/s)		Max. Hourly Emission Rate (g/m <sup>2</sup> /s)	
					NO	NO <sub>2</sub>	NO	NO <sub>2</sub>
Kwai Wo Street (ID: 21)	Total	482	-	100%	1.300E-02	6.297E-03	-	-
	HSE2101	22	484	100%	5.932E-04	2.874E-04	1.225E-06	5.938E-07
	HSE2102	109	1397	100%	2.939E-03	1.424E-03	2.104E-06	1.019E-06
	HSE2103	18	227	100%	4.853E-04	2.352E-04	2.141E-06	1.038E-06
	HSE2104	40	690	100%	1.079E-03	5.226E-04	1.563E-06	7.572E-07
	HSE2105	92	1311	100%	2.481E-03	1.202E-03	1.892E-06	9.167E-07
	HSE2106	77	1001	100%	2.076E-03	1.006E-03	2.074E-06	1.005E-06
	HSE2107	23	375	92%	5.705E-04	2.765E-04	1.520E-06	7.365E-07
	HSE2108	11	231	92%	2.729E-04	1.322E-04	1.180E-06	5.719E-07
	HSE2109	26	518	92%	6.450E-04	3.125E-04	1.245E-06	6.035E-07
	HSE2110	18	438	92%	4.465E-04	2.164E-04	1.020E-06	4.940E-07
	HSE2111	14	319	92%	3.473E-04	1.683E-04	1.090E-06	5.283E-07
	HSE2112	32	580	23%	1.984E-04	9.616E-05	3.421E-07	1.658E-07
	HSE2121	19	435	69%	3.535E-04	1.713E-04	8.125E-07	3.937E-07
	HSE2122	13	290	69%	2.419E-04	1.172E-04	8.329E-07	4.036E-07
	HSE2131	13	156	8%	2.804E-05	1.359E-05	1.799E-07	8.717E-08
	HSE2132	12	159	8%	2.588E-05	1.254E-05	1.630E-07	7.900E-08
HSE2133	15	186	8%	3.236E-05	1.568E-05	1.738E-07	8.423E-08	
HSE2134	19	303	8%	4.098E-05	1.986E-05	1.354E-07	6.559E-08	
HSE2135	36	478	8%	7.765E-05	3.763E-05	1.626E-07	7.879E-08	
HSE2136	29	384	8%	6.255E-05	3.031E-05	1.628E-07	7.890E-08	
Container Port Road South (ID: 248)	Total	544	-	100%	2.572E-03	1.240E-03	-	-
	HSE24801	5	86.6782	100%	2.364E-05	1.140E-05	2.727E-07	1.315E-07
	HSE24802	24	305.608	100%	1.135E-04	5.471E-05	3.713E-07	1.790E-07
	HSE24803	21	293.004	100%	9.929E-05	4.787E-05	3.389E-07	1.634E-07
	HSE24804	20	313.441	100%	9.456E-05	4.559E-05	3.017E-07	1.454E-07
	HSE24805	14	285.634	100%	6.619E-05	3.191E-05	2.317E-07	1.117E-07
	HSE24806	18	419.865	100%	8.511E-05	4.103E-05	2.027E-07	9.772E-08
	HSE24807	10	225.11	100%	4.728E-05	2.279E-05	2.100E-07	1.013E-07
	HSE24808	12	280.857	100%	5.674E-05	2.735E-05	2.020E-07	9.739E-08
	HSE24809	11	250.58	100%	5.201E-05	2.507E-05	2.076E-07	1.001E-07
	HSE24810	23	524.813	100%	1.087E-04	5.243E-05	2.072E-07	9.990E-08
	HSE24811	16	453.05	100%	7.565E-05	3.647E-05	1.670E-07	8.050E-08
	HSE24812	19	563.813	90%	8.085E-05	3.898E-05	1.434E-07	6.913E-08
	HSE24813	41	926.202	90%	1.745E-04	8.411E-05	1.884E-07	9.081E-08
	HSE24814	26	575.892	90%	1.106E-04	5.334E-05	1.921E-07	9.262E-08
	HSE24815	22	496.641	90%	9.362E-05	4.513E-05	1.885E-07	9.088E-08
	HSE24816	62	1050.32	90%	2.638E-04	1.272E-04	2.512E-07	1.211E-07
	HSE24817	83	1114.73	90%	3.532E-04	1.703E-04	3.168E-07	1.528E-07
	HSE24818	117	1596.43	90%	4.979E-04	2.400E-04	3.119E-07	1.504E-07
	HSE24821	14	409.149	10%	6.619E-06	3.191E-06	1.618E-08	7.800E-09
	HSE24822	22	526.075	10%	1.040E-05	5.015E-06	1.977E-08	9.533E-09
	HSE24823	32	614.671	10%	1.513E-05	7.294E-06	2.461E-08	1.187E-08
	HSE24824	17	256.565	10%	8.038E-06	3.875E-06	3.133E-08	1.510E-08
	HSE24825	43	579.399	10%	2.033E-05	9.802E-06	3.509E-08	1.692E-08
	HSE24826	20	267.294	10%	9.456E-06	4.559E-06	3.538E-08	1.706E-08
	HSE24827	40	535.183	10%	1.891E-05	9.118E-06	5.334E-08	1.704E-08
	HSE24828	19	259.082	10%	8.983E-06	4.331E-06	3.467E-08	1.672E-08
	HSE24829	25	328.826	10%	1.182E-05	5.699E-06	3.595E-08	1.733E-08
	HSE24830	21	273.442	10%	9.929E-06	4.787E-06	3.631E-08	1.751E-08
	HSE24831	20	259.981	10%	9.456E-06	4.559E-06	3.637E-08	1.754E-08
	HSE24832	14	188.952	10%	6.619E-06	3.191E-06	3.503E-08	1.689E-08
	HSE24833	15	194.948	10%	7.092E-06	3.419E-06	3.638E-08	1.754E-08
	HSE24834	14	186.66	10%	6.619E-06	3.191E-06	3.546E-08	1.710E-08
	HSE24835	40	529.643	10%	1.891E-05	9.118E-06	3.571E-08	1.722E-08
	HSE24836	14	191.826	10%	6.619E-06	3.191E-06	3.451E-08	1.664E-08
	Tsuen Tsing Interchange (ID: 7)	Total	498	-	100%	7.911E-03	3.565E-03	-
HSE701		15	207	100%	2.383E-04	1.074E-04	1.149E-06	5.179E-07
HSE702		12	170	100%	1.906E-04	8.590E-05	1.124E-06	5.064E-07
HSE703		12	167	100%	1.906E-04	8.590E-05	1.142E-06	5.148E-07
HSE704		113	1416	100%	1.795E-03	8.089E-04	1.267E-06	5.712E-07
HSE705		28	349	100%	4.448E-04	2.004E-04	1.275E-06	5.748E-07
HSE706		35	460	100%	5.560E-04	2.505E-04	1.208E-06	5.443E-07
HSE707		23	317	100%	3.654E-04	1.646E-04	1.152E-06	5.190E-07
HSE708		22	307	100%	3.495E-04	1.575E-04	1.138E-06	5.128E-07
HSE709		28	405	100%	4.448E-04	2.004E-04	1.099E-06	4.953E-07
HSE710		27	382	100%	4.289E-04	1.933E-04	1.123E-06	5.062E-07
HSE711		33	467	100%	5.242E-04	2.362E-04	1.121E-06	5.053E-07
HSE712		27	393	100%	4.289E-04	1.933E-04	1.093E-06	4.924E-07
HSE713		43	621	100%	6.830E-04	3.078E-04	1.100E-06	4.956E-07
HSE714		58	1001	100%	9.213E-04	4.152E-04	9.206E-07	4.148E-07
HSE715		16	266	23%	5.846E-05	2.634E-05	2.200E-07	9.913E-08
HSE716		6	94	23%	2.192E-05	9.878E-06	2.327E-07	1.048E-07
HSE721	22	286	77%	2.691E-04	1.213E-04	9.420E-07	4.245E-07	

**Hoi Kwai Road PT1 (ID: PT1) (Minibus)**

**Starting Emission**

No. of PLB (Diesel) to No. of PLB (LPG) Ratio <sup>[1]</sup> =	6.5
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	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 <sub>2</sub>	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
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	1	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	0
0600 - 0700	9	1	4	0	0	1	0	0	0	0	0	2	2	1	0	1	0	0
0700 - 0800	22	8	6	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
0800 - 0900	32	12	0	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0
0900 - 1000	28	6	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0
1000 - 1100	18	6	10	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0
1100 - 1200	16	5	12	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0
1200 - 1300	15	8	7	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0
1300 - 1400	19	3	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
1400 - 1500	11	0	7	2	1	1	1	1	1	0	0	0	0	0	0	0	0	1
1500 - 1600	17	1	12	2	1	0	1	1	0	0	0	0	1	0	0	0	0	0
1600 - 1700	22	12	2	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0
1700 - 1800	21	5	5	2	0	0	1	1	0	0	0	0	0	0	0	0	0	0
1800 - 1900	20	2	2	3	2	0	1	1	0	0	0	0	0	0	0	0	0	0
1900 - 2000	11	3	2	1	0	0	1	1	0	0	0	0	0	0	1	0	0	0
2000 - 2100	15	6	7	2	1	1	0	2	0	0	0	0	0	0	0	0	0	0
2100 - 2200	10	16	6	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0
2200 - 2300	6	4	16	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
2300 - 2400	1	2	9	2	0	1	0	1	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.

Total Starting Emission of PLB (Diesel) (g)				
NO	NO <sub>2</sub>	RSP	FSP	TSP
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
2	1	0	0	
8	3	0	0	
4	1	0	0	
3	1	0	0	
3	1	0	0	
3	1	0	0	
3	1	0	0	
3	1	0	0	
4	1	0	0	
5	2	0	0	
5	2	0	0	
3	1	0	0	
3	1	0	0	
3	1	0	0	
3	1	0	0	
4	1	0	0	
3	1	0	0	
3	1	0	0	
2	1	0	0	





**Hoi Kwai Road PTI (ID: PT1) (Minibus)**

**Starting Emission**

No. of PLB (Diesel) to No. of PLB (LPG) Ratio <sup>[1]</sup> =	6.5
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	Starting Emission Factor (g/trip)																	
NO	1.850E+00	2.788E+00	4.434E+00	5.775E+00	6.812E+00	7.544E+00	7.971E+00	8.197E+00	8.167E+00	8.121E+00	8.059E+00	7.981E+00	7.887E+00	7.778E+00	7.652E+00	7.511E+00	7.353E+00	7.180E+00
NO <sub>2</sub>	9.300E-03	1.400E-02	2.230E-02	2.900E-02	3.420E-02	3.790E-02	4.010E-02	4.120E-02	4.100E-02	4.080E-02	4.050E-02	4.010E-02	3.960E-02	3.910E-02	3.850E-02	3.770E-02	3.700E-02	3.610E-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	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0700 - 0800	3	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0800 - 0900	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0900 - 1000	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000 - 1100	3	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100 - 1200	3	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200 - 1300	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300 - 1400	3	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400 - 1500	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500 - 1600	3	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600 - 1700	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700 - 1800	3	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800 - 1900	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900 - 2000	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000 - 2100	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100 - 2200	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200 - 2300	1	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300 - 2400	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.

Total Starting Emission of PLB (LPG) (g)				
NO	NO <sub>2</sub>	RSP	FSP	TSP
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
2	0	0	0	
13	0	0	0	
15	0	0	0	
17	0	0	0	
12	0	0	0	
18	0	0	0	
17	0	0	0	
14	0	0	0	
15	0	0	0	
16	0	0	0	
19	0	0	0	
15	0	0	0	
15	0	0	0	
14	0	0	0	
9	0	0	0	
17	0	0	0	
16	0	0	0	
16	0	0	0	
10	0	0	0	





**Hoi Kwai Road PT1 (ID: PT1) (Minibus)**

**Total Hourly Emission**

Hour	Emission Within PT1									
	Total Emission (g) (Running + Idling + Starting)					Total Emission Rate (g/s)				
	NO	NO <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	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	1.347E+00	1.734E-01	1.372E-02	1.282E-02		3.743E-04	4.818E-05	3.811E-06	3.560E-06	
0600 - 0700	8.636E+00	1.057E+00	1.286E-01	1.199E-01		2.399E-03	2.937E-04	3.573E-05	3.331E-05	
0700 - 0800	1.295E+01	1.651E+00	2.664E-01	2.480E-01		3.597E-03	4.585E-04	7.399E-05	6.889E-05	
0800 - 0900	1.544E+01	1.955E+00	3.134E-01	2.920E-01		4.289E-03	5.430E-04	8.706E-05	8.112E-05	
0900 - 1000	1.199E+01	1.575E+00	2.579E-01	2.401E-01		3.332E-03	4.376E-04	7.163E-05	6.670E-05	
1000 - 1100	1.361E+01	1.604E+00	2.553E-01	2.378E-01		3.781E-03	4.454E-04	7.091E-05	6.606E-05	
1100 - 1200	1.327E+01	1.563E+00	2.501E-01	2.329E-01		3.686E-03	4.342E-04	6.946E-05	6.469E-05	
1200 - 1300	1.161E+01	1.426E+00	2.311E-01	2.151E-01		3.226E-03	3.961E-04	6.419E-05	5.976E-05	
1300 - 1400	1.255E+01	1.566E+00	2.526E-01	2.352E-01		3.486E-03	4.351E-04	7.018E-05	6.533E-05	
1400 - 1500	1.109E+01	1.314E+00	1.991E-01	1.852E-01		3.080E-03	3.650E-04	5.530E-05	5.146E-05	
1500 - 1600	1.414E+01	1.663E+00	2.579E-01	2.401E-01		3.929E-03	4.618E-04	7.163E-05	6.670E-05	
1600 - 1700	1.339E+01	1.689E+00	2.755E-01	2.565E-01		3.719E-03	4.692E-04	7.683E-05	7.126E-05	
1700 - 1800	1.250E+01	1.524E+00	2.416E-01	2.250E-01		3.472E-03	4.232E-04	6.710E-05	6.250E-05	
1800 - 1900	1.160E+01	1.451E+00	2.376E-01	2.210E-01		3.221E-03	4.031E-04	6.600E-05	6.140E-05	
1900 - 2000	7.536E+00	9.488E-01	1.436E-01	1.337E-01		2.093E-03	2.636E-04	3.989E-05	3.713E-05	
2000 - 2100	1.201E+01	1.339E+00	2.011E-01	1.876E-01		3.336E-03	3.720E-04	5.587E-05	5.211E-05	
2100 - 2200	1.244E+01	1.451E+00	2.331E-01	2.171E-01		3.456E-03	4.031E-04	6.475E-05	6.031E-05	
2200 - 2300	1.070E+01	1.156E+00	1.815E-01	1.692E-01		2.972E-03	3.211E-04	5.042E-05	4.699E-05	
2300 - 2400	6.388E+00	6.502E-01	9.729E-02	9.067E-02		1.774E-03	1.806E-04	2.702E-05	2.519E-05	

**Tsuen Wan West Station PTI (ID: PT2) (Bus)**

**Starting Emission**

	Starting Emission Factor (g/trip)																	
NO	4.744E-01	8.539E-01	1.139E+00	1.613E+00	1.992E+00	2.657E+00	3.890E+00	4.839E+00	7.116E+00	9.298E+00	1.044E+01	1.233E+01	1.357E+01	1.423E+01	1.461E+01	1.499E+01	1.518E+01	1.518E+01
NO <sub>2</sub>	7.080E-02	1.275E-01	1.700E-01	2.408E-01	2.975E-01	3.966E-01	5.807E-01	7.224E-01	1.062E+00	1.388E+00	1.558E+00	1.841E+00	2.026E+00	2.125E+00	2.181E+00	2.238E+00	2.266E+00	2.266E+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 Sitting Time (min)	No. of Cold Starts of Double-Deck Franchised Bus																	
	5	10	20	30	40	50	60	120	180	240	300	360	420	480	540	600	660	720
0000 - 0100	28	0	0	4	4	6	0	1	3	0	0	0	0	0	0	0	0	0
0100 - 0200	8	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0
0200 - 0300	8	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0
0300 - 0400	8	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0
0400 - 0500	8	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0
0500 - 0600	21	0	0	11	0	5	0	0	6	5	0	0	0	0	0	0	0	0
0600 - 0700	81	0	0	11	20	8	0	13	3	0	0	0	0	0	0	0	0	0
0700 - 0800	170	0	3	0	8	16	28	28	8	3	0	0	0	0	0	0	0	0
0800 - 0900	77	0	5	1	3	10	9	23	8	0	0	0	0	0	0	0	0	0
0900 - 1000	68	0	1	1	3	3	12	17	9	4	0	0	0	0	0	0	0	0
1000 - 1100	54	0	0	0	3	5	4	13	8	6	0	0	0	0	0	0	0	0
1100 - 1200	59	0	3	1	3	10	4	18	8	8	0	0	0	0	0	0	0	0
1200 - 1300	59	0	4	0	3	6	4	9	9	11	0	0	0	0	0	0	0	0
1300 - 1400	50	0	0	0	1	3	9	6	10	4	0	0	0	0	0	0	0	0
1400 - 1500	55	0	3	1	4	4	6	15	1	6	0	0	0	0	0	0	0	0
1500 - 1600	50	0	0	1	0	5	5	22	9	4	0	0	0	0	0	0	0	0
1600 - 1700	73	0	0	1	0	8	6	14	6	3	0	0	0	0	0	0	0	0
1700 - 1800	78	0	1	1	4	2	5	13	8	13	0	0	0	0	0	0	0	0
1800 - 1900	69	0	1	0	1	4	3	6	2	0	0	0	0	0	0	0	0	0
1900 - 2000	69	0	0	0	3	1	2	0	0	0	0	0	0	0	0	0	0	0
2000 - 2100	53	0	0	0	4	11	5	11	0	0	0	0	0	0	0	0	0	0
2100 - 2200	50	0	0	2	4	8	5	13	5	1	0	0	0	0	0	0	0	0
2200 - 2300	52	0	0	4	4	5	3	13	5	5	0	0	0	0	0	0	0	0
2300 - 2400	43	0	0	1	4	3	5	6	4	3	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.

Total Starting Emission of FBDD (g)				
NO	NO <sub>2</sub>	RSP	FSP	TSP
70	10	0	0	
13	2	0	0	
13	2	0	0	
13	2	0	0	
13	2	0	0	
130	19	0	0	
202	30	0	0	
472	70	0	0	
280	42	0	0	
279	42	0	0	
236	35	0	0	
300	45	0	0	
280	42	0	0	
206	31	0	0	
209	31	0	0	
266	40	0	0	
219	33	0	0	
313	47	0	0	
101	15	0	0	
49	7	0	0	
135	20	0	0	
183	27	0	0	
209	31	0	0	
143	21	0	0	



**Tsuen Wan West Station PTI (ID: PT2) (Bus)**

**Running Emission**

Average Travelling Distance within PTI =	662	m
Average Travelling Speed =	15	km/h

Hour	Frequency	Double-Deck Franchised Bus									
		Running Emission Factor (g/km-vehicle)					Running Emission Within PTI (g)				
		NO	NO <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	RSP	FSP	TSP
0000 - 0100	51	4.570E+00	5.081E-01	1.886E-01	1.735E-01		1.543E+02	1.715E+01	6.368E+00	5.858E+00	
0100 - 0200	11	4.570E+00	5.081E-01	1.886E-01	1.735E-01		3.328E+01	3.700E+00	1.373E+00	1.263E+00	
0200 - 0300	11	4.570E+00	5.081E-01	1.886E-01	1.735E-01		3.328E+01	3.700E+00	1.373E+00	1.263E+00	
0300 - 0400	11	4.570E+00	5.081E-01	1.886E-01	1.735E-01		3.328E+01	3.700E+00	1.373E+00	1.263E+00	
0400 - 0500	11	4.570E+00	5.081E-01	1.886E-01	1.735E-01		3.328E+01	3.700E+00	1.373E+00	1.263E+00	
0500 - 0600	52	4.570E+00	5.081E-01	1.886E-01	1.735E-01		1.573E+02	1.749E+01	6.492E+00	5.973E+00	
0600 - 0700	152	4.570E+00	5.081E-01	1.886E-01	1.735E-01		4.599E+02	5.113E+01	1.898E+01	1.746E+01	
0700 - 0800	298	4.570E+00	5.081E-01	1.886E-01	1.735E-01		9.016E+02	1.002E+02	3.721E+01	3.423E+01	
0800 - 0900	151	4.570E+00	5.081E-01	1.886E-01	1.735E-01		4.569E+02	5.079E+01	1.885E+01	1.734E+01	
0900 - 1000	131	4.570E+00	5.081E-01	1.886E-01	1.735E-01		3.963E+02	4.406E+01	1.636E+01	1.505E+01	
1000 - 1100	104	4.570E+00	5.081E-01	1.886E-01	1.735E-01		3.147E+02	3.498E+01	1.298E+01	1.195E+01	
1100 - 1200	126	4.570E+00	5.081E-01	1.886E-01	1.735E-01		3.812E+02	4.238E+01	1.573E+01	1.447E+01	
1200 - 1300	117	4.570E+00	5.081E-01	1.886E-01	1.735E-01		3.540E+02	3.935E+01	1.461E+01	1.344E+01	
1300 - 1400	93	4.570E+00	5.081E-01	1.886E-01	1.735E-01		2.814E+02	3.128E+01	1.161E+01	1.068E+01	
1400 - 1500	106	4.570E+00	5.081E-01	1.886E-01	1.735E-01		3.207E+02	3.565E+01	1.323E+01	1.217E+01	
1500 - 1600	106	4.570E+00	5.081E-01	1.886E-01	1.735E-01		3.207E+02	3.565E+01	1.323E+01	1.217E+01	
1600 - 1700	125	4.570E+00	5.081E-01	1.886E-01	1.735E-01		3.782E+02	4.205E+01	1.561E+01	1.436E+01	
1700 - 1800	141	4.570E+00	5.081E-01	1.886E-01	1.735E-01		4.266E+02	4.743E+01	1.760E+01	1.619E+01	
1800 - 1900	100	4.570E+00	5.081E-01	1.886E-01	1.735E-01		3.026E+02	3.364E+01	1.249E+01	1.149E+01	
1900 - 2000	89	4.570E+00	5.081E-01	1.886E-01	1.735E-01		2.693E+02	2.994E+01	1.111E+01	1.022E+01	
2000 - 2100	95	4.570E+00	5.081E-01	1.886E-01	1.735E-01		2.874E+02	3.195E+01	1.186E+01	1.091E+01	
2100 - 2200	98	4.570E+00	5.081E-01	1.886E-01	1.735E-01		2.965E+02	3.296E+01	1.224E+01	1.126E+01	
2200 - 2300	101	4.570E+00	5.081E-01	1.886E-01	1.735E-01		3.056E+02	3.397E+01	1.261E+01	1.160E+01	
2300 - 2400	77	4.570E+00	5.081E-01	1.886E-01	1.735E-01		2.330E+02	2.590E+01	9.614E+00	8.844E+00	

**Idling Emission**

Idling Time for Non-terminating Buses =	1	min
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Hour	Frequency	Double-Deck Franchised Bus									
		Hot Idling Emission Factor (g/min)					Hot Idling Emission (g)				
		NO	NO <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	RSP	FSP	TSP
0000 - 0100	5	1.232E-01	1.370E-02	1.086E-03	1.086E-03		6.160E-01	6.848E-02	5.429E-03	5.429E-03	
0100 - 0200	1	1.232E-01	1.370E-02	1.086E-03	1.086E-03		1.232E-01	1.370E-02	1.086E-03	1.086E-03	
0200 - 0300	1	1.232E-01	1.370E-02	1.086E-03	1.086E-03		1.232E-01	1.370E-02	1.086E-03	1.086E-03	
0300 - 0400	1	1.232E-01	1.370E-02	1.086E-03	1.086E-03		1.232E-01	1.370E-02	1.086E-03	1.086E-03	
0400 - 0500	1	1.232E-01	1.370E-02	1.086E-03	1.086E-03		1.232E-01	1.370E-02	1.086E-03	1.086E-03	
0500 - 0600	4	1.232E-01	1.370E-02	1.086E-03	1.086E-03		4.928E-01	5.478E-02	4.343E-03	4.343E-03	
0600 - 0700	16	1.232E-01	1.370E-02	1.086E-03	1.086E-03		1.971E+00	2.191E-01	1.737E-02	1.737E-02	
0700 - 0800	34	1.232E-01	1.370E-02	1.086E-03	1.086E-03		4.189E+00	4.657E-01	3.692E-02	3.692E-02	
0800 - 0900	15	1.232E-01	1.370E-02	1.086E-03	1.086E-03		1.848E+00	2.054E-01	1.629E-02	1.629E-02	
0900 - 1000	13	1.232E-01	1.370E-02	1.086E-03	1.086E-03		1.602E+00	1.780E-01	1.412E-02	1.412E-02	
1000 - 1100	11	1.232E-01	1.370E-02	1.086E-03	1.086E-03		1.355E+00	1.507E-01	1.194E-02	1.194E-02	
1100 - 1200	12	1.232E-01	1.370E-02	1.086E-03	1.086E-03		1.478E+00	1.644E-01	1.303E-02	1.303E-02	
1200 - 1300	12	1.232E-01	1.370E-02	1.086E-03	1.086E-03		1.478E+00	1.644E-01	1.303E-02	1.303E-02	
1300 - 1400	10	1.232E-01	1.370E-02	1.086E-03	1.086E-03		1.232E+00	1.370E-01	1.086E-02	1.086E-02	
1400 - 1500	11	1.232E-01	1.370E-02	1.086E-03	1.086E-03		1.355E+00	1.507E-01	1.194E-02	1.194E-02	
1500 - 1600	10	1.232E-01	1.370E-02	1.086E-03	1.086E-03		1.232E+00	1.370E-01	1.086E-02	1.086E-02	
1600 - 1700	14	1.232E-01	1.370E-02	1.086E-03	1.086E-03		1.725E+00	1.917E-01	1.520E-02	1.520E-02	
1700 - 1800	16	1.232E-01	1.370E-02	1.086E-03	1.086E-03		1.971E+00	2.191E-01	1.737E-02	1.737E-02	
1800 - 1900	14	1.232E-01	1.370E-02	1.086E-03	1.086E-03		1.725E+00	1.917E-01	1.520E-02	1.520E-02	
1900 - 2000	14	1.232E-01	1.370E-02	1.086E-03	1.086E-03		1.725E+00	1.917E-01	1.520E-02	1.520E-02	
2000 - 2100	11	1.232E-01	1.370E-02	1.086E-03	1.086E-03		1.355E+00	1.507E-01	1.194E-02	1.194E-02	
2100 - 2200	10	1.232E-01	1.370E-02	1.086E-03	1.086E-03		1.232E+00	1.370E-01	1.086E-02	1.086E-02	
2200 - 2300	10	1.232E-01	1.370E-02	1.086E-03	1.086E-03		1.232E+00	1.370E-01	1.086E-02	1.086E-02	
2300 - 2400	8	1.232E-01	1.370E-02	1.086E-03	1.086E-03		9.855E-01	1.096E-01	8.686E-03	8.686E-03	



**Tsuen Wan West Station PTI (ID: PT2) (Bus)**

**Total Hourly Emission**

Hour	Emission Within PTI									
	Total Emission (g) (Running + Idling + Starting)					Total Emission Rate (g/s)				
	NO	NO <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	RSP	FSP	TSP
0000 - 0100	2.185E+02	2.555E+01	6.473E+00	5.963E+00		6.070E-02	7.098E-03	1.798E-03	1.656E-03	
0100 - 0200	4.669E+01	5.416E+00	1.396E+00	1.286E+00		1.297E-02	1.504E-03	3.878E-04	3.573E-04	
0200 - 0300	4.669E+01	5.416E+00	1.396E+00	1.286E+00		1.297E-02	1.504E-03	3.878E-04	3.573E-04	
0300 - 0400	4.669E+01	5.416E+00	1.396E+00	1.286E+00		1.297E-02	1.504E-03	3.878E-04	3.573E-04	
0400 - 0500	4.669E+01	5.416E+00	1.396E+00	1.286E+00		1.297E-02	1.504E-03	3.878E-04	3.573E-04	
0500 - 0600	2.887E+02	3.444E+01	6.601E+00	6.081E+00		8.019E-02	9.567E-03	1.834E-03	1.689E-03	
0600 - 0700	6.704E+02	7.816E+01	1.929E+01	1.777E+01		1.862E-01	2.171E-02	5.358E-03	4.936E-03	
0700 - 0800	1.546E+03	1.803E+02	3.782E+01	3.484E+01		4.293E-01	5.009E-02	1.050E-02	9.677E-03	
0800 - 0900	8.357E+02	9.795E+01	1.916E+01	1.766E+01		2.321E-01	2.721E-02	5.323E-03	4.904E-03	
0900 - 1000	7.823E+02	9.200E+01	1.663E+01	1.532E+01		2.173E-01	2.556E-02	4.618E-03	4.255E-03	
1000 - 1100	6.150E+02	7.263E+01	1.320E+01	1.216E+01		1.708E-01	2.017E-02	3.666E-03	3.378E-03	
1100 - 1200	7.540E+02	8.922E+01	1.599E+01	1.473E+01		2.094E-01	2.478E-02	4.442E-03	4.092E-03	
1200 - 1300	6.884E+02	8.158E+01	1.485E+01	1.368E+01		1.912E-01	2.266E-02	4.125E-03	3.800E-03	
1300 - 1400	5.546E+02	6.537E+01	1.180E+01	1.087E+01		1.540E-01	1.816E-02	3.278E-03	3.020E-03	
1400 - 1500	5.920E+02	6.957E+01	1.345E+01	1.239E+01		1.644E-01	1.933E-02	3.737E-03	3.443E-03	
1500 - 1600	6.849E+02	8.093E+01	1.345E+01	1.239E+01		1.903E-01	2.248E-02	3.737E-03	3.443E-03	
1600 - 1700	6.633E+02	7.770E+01	1.586E+01	1.461E+01		1.843E-01	2.158E-02	4.406E-03	4.059E-03	
1700 - 1800	8.139E+02	9.613E+01	1.789E+01	1.648E+01		2.261E-01	2.670E-02	4.970E-03	4.579E-03	
1800 - 1900	4.287E+02	4.949E+01	1.269E+01	1.169E+01		1.191E-01	1.375E-02	3.524E-03	3.247E-03	
1900 - 2000	3.193E+02	3.638E+01	1.129E+01	1.040E+01		8.870E-02	1.011E-02	3.136E-03	2.889E-03	
2000 - 2100	4.561E+02	5.314E+01	1.206E+01	1.111E+01		1.267E-01	1.476E-02	3.349E-03	3.085E-03	
2100 - 2200	5.325E+02	6.251E+01	1.244E+01	1.146E+01		1.479E-01	1.736E-02	3.455E-03	3.183E-03	
2200 - 2300	5.652E+02	6.661E+01	1.282E+01	1.181E+01		1.570E-01	1.850E-02	3.561E-03	3.280E-03	
2300 - 2400	4.131E+02	4.850E+01	9.772E+00	9.003E+00		1.147E-01	1.347E-02	2.715E-03	2.501E-03	





**Tsuen Wan West MTR (ID: PT2) (Minibus)**

**Starting Emission**

No. of PLB (Diesel) to No. of PLB (LPG) Ratio <sup>[1]</sup> =	6.5
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	Starting Emission Factor (g/trip)																	
NO	1.850E+00	2.788E+00	4.434E+00	5.775E+00	6.812E+00	7.544E+00	7.971E+00	8.197E+00	8.167E+00	8.121E+00	8.059E+00	7.981E+00	7.887E+00	7.778E+00	7.652E+00	7.511E+00	7.353E+00	7.180E+00
NO <sub>2</sub>	9.300E-03	1.400E-02	2.230E-02	2.900E-02	3.420E-02	3.790E-02	4.010E-02	4.120E-02	4.100E-02	4.080E-02	4.050E-02	4.010E-02	3.960E-02	3.910E-02	3.850E-02	3.770E-02	3.700E-02	3.610E-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	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	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	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	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	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0800 - 0900	1	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	1	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 of PLB (LPG) (g)				
NO	NO <sub>2</sub>	RSP	FSP	TSP
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
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.





**Tsuen Wan West MTR (ID: PT2) (Minibus)**

**Total Hourly Emission**

Hour	Emission Within PTI									
	Total Emission (g) (Running + Idling + Starting)					Total Emission Rate (g/s)				
	NO	NO <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	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
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
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
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
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
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
0600 - 0700	3.128E+00	3.915E-01	2.871E-02	2.651E-02		8.689E-04	1.088E-04	7.974E-06	7.364E-06	
0700 - 0800	6.210E+00	7.526E-01	1.292E-01	1.193E-01		1.725E-03	2.090E-04	3.589E-05	3.314E-05	
0800 - 0900	3.226E+00	4.126E-01	8.612E-02	7.953E-02		8.962E-04	1.146E-04	2.392E-05	2.209E-05	
0900 - 1000	2.613E+00	2.733E-01	4.306E-02	3.977E-02		7.257E-04	7.593E-05	1.196E-05	1.105E-05	
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	1.075E+00	1.375E-01	2.871E-02	2.651E-02		2.987E-04	3.820E-05	7.974E-06	7.364E-06	
1700 - 1800	1.075E+00	1.375E-01	2.871E-02	2.651E-02		2.987E-04	3.820E-05	7.974E-06	7.364E-06	
1800 - 1900	3.044E+00	3.506E-01	7.177E-02	6.628E-02		8.456E-04	9.738E-05	1.994E-05	1.841E-05	
1900 - 2000	1.613E+00	2.063E-01	4.306E-02	3.977E-02		4.481E-04	5.730E-05	1.196E-05	1.105E-05	
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	

**Kwai Shing Central Bus Terminus (ID: PT3)**

**Starting Emission**

Starting Emission Factor (g/trip)																		
NO	4.744E-01	8.539E-01	1.139E+00	1.613E+00	1.992E+00	2.657E+00	3.890E+00	4.839E+00	7.116E+00	9.298E+00	1.044E+01	1.233E+01	1.357E+01	1.423E+01	1.461E+01	1.499E+01	1.518E+01	1.518E+01
NO <sub>2</sub>	7.080E-02	1.275E-01	1.700E-01	2.408E-01	2.975E-01	3.968E-01	5.807E-01	7.224E-01	1.062E+00	1.388E+00	1.558E+00	1.841E+00	2.026E+00	2.125E+00	2.181E+00	2.238E+00	2.266E+00	2.266E+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	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	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 Sitting Time (min)	No. of Cold Starts of Double-Deck Franchised Bus																	
	5	10	20	30	40	50	60	120	180	240	300	360	420	480	540	600	660	720
0000 - 0100	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0100 - 0200	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0200 - 0300	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0300 - 0400	1	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	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0
0600 - 0700	3	3	0	3	1	0	1	0	0	0	0	0	0	0	0	0	0	0
0700 - 0800	4	0	3	5	0	1	0	0	0	0	0	0	0	0	0	0	0	0
0800 - 0900	5	0	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0900 - 1000	4	0	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000 - 1100	5	2	1	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0
1100 - 1200	3	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200 - 1300	6	0	1	0	1	0	1	2	1	0	0	0	0	0	0	0	0	0
1300 - 1400	3	1	4	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
1400 - 1500	4	4	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
1500 - 1600	4	0	2	3	0	1	0	0	0	1	0	0	0	0	0	0	0	0
1600 - 1700	4	0	1	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700 - 1800	5	0	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800 - 1900	6	0	3	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0
1900 - 2000	3	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000 - 2100	4	0	3	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0
2100 - 2200	3	0	1	3	0	1	0	1	0	0	0	0	0	0	0	0	0	0
2200 - 2300	3	0	0	1	0	0	0	2	0	0	0	0	0	0	0	0	0	0
2300 - 2400	3	1	1	1	1	0	0	2	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.

Total Starting Emission of FBDD (g)				
NO	NO <sub>2</sub>	RSP	FSP	TSP
2	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
7	1	0	0	
15	2	0	0	
16	2	0	0	
11	2	0	0	
9	1	0	0	
12	2	0	0	
7	1	0	0	
27	4	0	0	
12	2	0	0	
10	1	0	0	
21	3	0	0	
13	2	0	0	
13	2	0	0	
12	2	0	0	
5	1	0	0	
12	2	0	0	
15	2	0	0	
13	2	0	0	
17	2	0	0	





**Kwai Shing Central Bus Terminus (ID: PT3)**

**Running Emission**

Average Travelling Distance within PTI =	70	m
Average Travelling Speed =	15	km/h

Hour	Frequency	Double-Deck Franchised Bus									
		Running Emission Factor (g/km-vehicle)					Running Emission Within PTI (g)				
		NO	NO <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	RSP	FSP	TSP
0000 - 0100	6	4.570E+00	5.081E-01	1.886E-01	1.735E-01		1.920E+00	2.134E-01	7.921E-02	7.287E-02	
0100 - 0200	1	4.570E+00	5.081E-01	1.886E-01	1.735E-01		3.199E-01	3.557E-02	1.320E-02	1.215E-02	
0200 - 0300	1	4.570E+00	5.081E-01	1.886E-01	1.735E-01		3.199E-01	3.557E-02	1.320E-02	1.215E-02	
0300 - 0400	1	4.570E+00	5.081E-01	1.886E-01	1.735E-01		3.199E-01	3.557E-02	1.320E-02	1.215E-02	
0400 - 0500	1	4.570E+00	5.081E-01	1.886E-01	1.735E-01		3.199E-01	3.557E-02	1.320E-02	1.215E-02	
0500 - 0600	4	4.570E+00	5.081E-01	1.886E-01	1.735E-01		1.280E+00	1.423E-01	5.281E-02	4.858E-02	
0600 - 0700	14	4.570E+00	5.081E-01	1.886E-01	1.735E-01		4.479E+00	4.979E-01	1.848E-01	1.700E-01	
0700 - 0800	18	4.570E+00	5.081E-01	1.886E-01	1.735E-01		5.759E+00	6.402E-01	2.376E-01	2.186E-01	
0800 - 0900	18	4.570E+00	5.081E-01	1.886E-01	1.735E-01		5.759E+00	6.402E-01	2.376E-01	2.186E-01	
0900 - 1000	14	4.570E+00	5.081E-01	1.886E-01	1.735E-01		4.479E+00	4.979E-01	1.848E-01	1.700E-01	
1000 - 1100	14	4.570E+00	5.081E-01	1.886E-01	1.735E-01		4.479E+00	4.979E-01	1.848E-01	1.700E-01	
1100 - 1200	11	4.570E+00	5.081E-01	1.886E-01	1.735E-01		3.519E+00	3.912E-01	1.452E-01	1.336E-01	
1200 - 1300	16	4.570E+00	5.081E-01	1.886E-01	1.735E-01		5.119E+00	5.691E-01	2.112E-01	1.943E-01	
1300 - 1400	13	4.570E+00	5.081E-01	1.886E-01	1.735E-01		4.159E+00	4.624E-01	1.716E-01	1.579E-01	
1400 - 1500	15	4.570E+00	5.081E-01	1.886E-01	1.735E-01		4.799E+00	5.335E-01	1.980E-01	1.822E-01	
1500 - 1600	15	4.570E+00	5.081E-01	1.886E-01	1.735E-01		4.799E+00	5.335E-01	1.980E-01	1.822E-01	
1600 - 1700	15	4.570E+00	5.081E-01	1.886E-01	1.735E-01		4.799E+00	5.335E-01	1.980E-01	1.822E-01	
1700 - 1800	19	4.570E+00	5.081E-01	1.886E-01	1.735E-01		6.078E+00	6.758E-01	2.508E-01	2.308E-01	
1800 - 1900	19	4.570E+00	5.081E-01	1.886E-01	1.735E-01		6.078E+00	6.758E-01	2.508E-01	2.308E-01	
1900 - 2000	10	4.570E+00	5.081E-01	1.886E-01	1.735E-01		3.199E+00	3.557E-01	1.320E-01	1.215E-01	
2000 - 2100	13	4.570E+00	5.081E-01	1.886E-01	1.735E-01		4.159E+00	4.624E-01	1.716E-01	1.579E-01	
2100 - 2200	12	4.570E+00	5.081E-01	1.886E-01	1.735E-01		3.839E+00	4.268E-01	1.584E-01	1.457E-01	
2200 - 2300	9	4.570E+00	5.081E-01	1.886E-01	1.735E-01		2.879E+00	3.201E-01	1.188E-01	1.093E-01	
2300 - 2400	12	4.570E+00	5.081E-01	1.886E-01	1.735E-01		3.839E+00	4.268E-01	1.584E-01	1.457E-01	

**Idling Emission**

Idling Time for Non-terminating Buses =	1	min
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Hour	Frequency	Double-Deck Franchised Bus									
		Hot Idling Emission Factor (g/min)					Hot Idling Emission (g)				
		NO	NO <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	RSP	FSP	TSP
0000 - 0100	2	1.232E-01	1.370E-02	1.086E-03	1.086E-03		2.464E-01	2.739E-02	2.172E-03	2.172E-03	
0100 - 0200	0	1.232E-01	1.370E-02	1.086E-03	1.086E-03		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0200 - 0300	0	1.232E-01	1.370E-02	1.086E-03	1.086E-03		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0300 - 0400	0	1.232E-01	1.370E-02	1.086E-03	1.086E-03		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0400 - 0500	0	1.232E-01	1.370E-02	1.086E-03	1.086E-03		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0500 - 0600	0	1.232E-01	1.370E-02	1.086E-03	1.086E-03		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0600 - 0700	3	1.232E-01	1.370E-02	1.086E-03	1.086E-03		3.696E-01	4.109E-02	3.257E-03	3.257E-03	
0700 - 0800	5	1.232E-01	1.370E-02	1.086E-03	1.086E-03		6.160E-01	6.848E-02	5.429E-03	5.429E-03	
0800 - 0900	6	1.232E-01	1.370E-02	1.086E-03	1.086E-03		7.392E-01	8.218E-02	6.515E-03	6.515E-03	
0900 - 1000	4	1.232E-01	1.370E-02	1.086E-03	1.086E-03		4.928E-01	5.478E-02	4.343E-03	4.343E-03	
1000 - 1100	4	1.232E-01	1.370E-02	1.086E-03	1.086E-03		4.928E-01	5.478E-02	4.343E-03	4.343E-03	
1100 - 1200	4	1.232E-01	1.370E-02	1.086E-03	1.086E-03		4.928E-01	5.478E-02	4.343E-03	4.343E-03	
1200 - 1300	4	1.232E-01	1.370E-02	1.086E-03	1.086E-03		4.928E-01	5.478E-02	4.343E-03	4.343E-03	
1300 - 1400	4	1.232E-01	1.370E-02	1.086E-03	1.086E-03		4.928E-01	5.478E-02	4.343E-03	4.343E-03	
1400 - 1500	4	1.232E-01	1.370E-02	1.086E-03	1.086E-03		4.928E-01	5.478E-02	4.343E-03	4.343E-03	
1500 - 1600	4	1.232E-01	1.370E-02	1.086E-03	1.086E-03		4.928E-01	5.478E-02	4.343E-03	4.343E-03	
1600 - 1700	4	1.232E-01	1.370E-02	1.086E-03	1.086E-03		4.928E-01	5.478E-02	4.343E-03	4.343E-03	
1700 - 1800	6	1.232E-01	1.370E-02	1.086E-03	1.086E-03		7.392E-01	8.218E-02	6.515E-03	6.515E-03	
1800 - 1900	7	1.232E-01	1.370E-02	1.086E-03	1.086E-03		8.623E-01	9.587E-02	7.601E-03	7.601E-03	
1900 - 2000	4	1.232E-01	1.370E-02	1.086E-03	1.086E-03		4.928E-01	5.478E-02	4.343E-03	4.343E-03	
2000 - 2100	4	1.232E-01	1.370E-02	1.086E-03	1.086E-03		4.928E-01	5.478E-02	4.343E-03	4.343E-03	
2100 - 2200	3	1.232E-01	1.370E-02	1.086E-03	1.086E-03		3.696E-01	4.109E-02	3.257E-03	3.257E-03	
2200 - 2300	3	1.232E-01	1.370E-02	1.086E-03	1.086E-03		3.696E-01	4.109E-02	3.257E-03	3.257E-03	
2300 - 2400	3	1.232E-01	1.370E-02	1.086E-03	1.086E-03		3.696E-01	4.109E-02	3.257E-03	3.257E-03	

**Kwai Shing Central Bus Terminus (ID: PT3)**

**Total Hourly Emission**

Hour	Emission Within PTI									
	Total Emission (g) (Running + Idling + Starting)					Total Emission Rate (g/s)				
	NO	NO <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	RSP	FSP	TSP
0000 - 0100	3.222E+00	3.618E-01	9.007E-02	8.373E-02		8.949E-04	1.005E-04	2.502E-05	2.326E-05	
0100 - 0200	5.839E-01	6.581E-02	1.537E-02	1.432E-02		1.622E-04	1.828E-05	4.270E-06	3.977E-06	
0200 - 0300	5.839E-01	6.581E-02	1.537E-02	1.432E-02		1.622E-04	1.828E-05	4.270E-06	3.977E-06	
0300 - 0400	5.839E-01	6.581E-02	1.537E-02	1.432E-02		1.622E-04	1.828E-05	4.270E-06	3.977E-06	
0400 - 0500	5.839E-01	6.581E-02	1.537E-02	1.432E-02		1.622E-04	1.828E-05	4.270E-06	3.977E-06	
0500 - 0600	2.601E+00	3.029E-01	6.149E-02	5.727E-02		7.225E-04	8.415E-05	1.708E-05	1.591E-05	
0600 - 0700	1.522E+01	1.720E+00	2.120E-01	1.972E-01		4.229E-03	4.779E-04	5.888E-05	5.477E-05	
0700 - 0800	1.030E+01	1.176E+00	2.713E-01	2.523E-01		2.861E-03	3.265E-04	7.536E-05	7.007E-05	
0800 - 0900	9.945E+00	1.127E+00	2.702E-01	2.512E-01		2.762E-03	3.131E-04	7.506E-05	6.977E-05	
0900 - 1000	7.834E+00	8.885E-01	2.109E-01	1.961E-01		2.176E-03	2.468E-04	5.858E-05	5.447E-05	
1000 - 1100	1.497E+01	1.688E+00	2.109E-01	1.961E-01		4.159E-03	4.688E-04	5.858E-05	5.447E-05	
1100 - 1200	6.026E+00	6.825E-01	1.648E-01	1.531E-01		1.674E-03	1.896E-04	4.577E-05	4.254E-05	
1200 - 1300	3.781E+01	4.255E+00	2.416E-01	2.247E-01		1.050E-02	1.182E-03	6.712E-05	6.242E-05	
1300 - 1400	1.439E+01	1.622E+00	1.955E-01	1.818E-01		3.998E-03	4.507E-04	5.431E-05	5.049E-05	
1400 - 1500	8.413E+00	9.536E-01	2.263E-01	2.104E-01		2.337E-03	2.649E-04	6.285E-05	5.845E-05	
1500 - 1600	1.598E+01	1.816E+00	2.263E-01	2.104E-01		4.439E-03	5.046E-04	6.285E-05	5.845E-05	
1600 - 1700	8.570E+00	9.770E-01	2.263E-01	2.104E-01		2.380E-03	2.714E-04	6.285E-05	5.845E-05	
1700 - 1800	1.059E+01	1.201E+00	2.856E-01	2.655E-01		2.940E-03	3.337E-04	7.933E-05	7.375E-05	
1800 - 1900	1.042E+01	1.181E+00	2.845E-01	2.644E-01		2.893E-03	3.280E-04	7.903E-05	7.345E-05	
1900 - 2000	5.361E+00	6.047E-01	1.494E-01	1.388E-01		1.489E-03	1.680E-04	4.150E-05	3.856E-05	
2000 - 2100	1.442E+01	1.626E+00	1.955E-01	1.818E-01		4.005E-03	4.517E-04	5.431E-05	5.049E-05	
2100 - 2200	1.411E+01	1.597E+00	1.812E-01	1.685E-01		3.920E-03	4.437E-04	5.034E-05	4.682E-05	
2200 - 2300	1.932E+01	2.172E+00	1.351E-01	1.256E-01		5.366E-03	6.033E-04	3.753E-05	3.489E-05	
2300 - 2400	2.120E+01	2.389E+00	1.812E-01	1.685E-01		5.889E-03	6.635E-04	5.034E-05	4.682E-05	

**Riviera Gardens PTI (ID: PT4) (Bus)**

**Starting Emission**

Starting Emission Factor (g/trip)																		
NO	4.744E-01	8.539E-01	1.139E+00	1.613E+00	1.992E+00	2.657E+00	3.890E+00	4.839E+00	7.116E+00	9.298E+00	1.044E+01	1.233E+01	1.357E+01	1.423E+01	1.461E+01	1.499E+01	1.518E+01	1.518E+01
NO <sub>2</sub>	7.080E-02	1.275E-01	1.700E-01	2.408E-01	2.975E-01	3.968E-01	5.807E-01	7.224E-01	1.062E+00	1.388E+00	1.558E+00	1.841E+00	2.026E+00	2.125E+00	2.181E+00	2.238E+00	2.266E+00	2.266E+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	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	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 Sitting Time (min)	No. of Cold Starts of Double-Deck Franchised Bus																	
	5	10	20	30	40	50	60	120	180	240	300	360	420	480	540	600	660	720
0000 - 0100	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0100 - 0200	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0200 - 0300	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0300 - 0400	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0400 - 0500	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0500 - 0600	0	0	3	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0
0600 - 0700	2	0	3	3	8	3	0	0	0	0	0	0	0	0	0	0	0	0
0700 - 0800	8	20	20	3	3	0	3	0	0	0	0	0	0	0	0	0	0	0
0800 - 0900	0	15	20	8	0	0	0	0	0	5	0	0	0	0	0	0	0	0
0900 - 1000	0	5	18	3	5	0	0	3	0	0	0	0	0	0	0	0	0	0
1000 - 1100	0	3	13	5	0	3	0	5	0	0	0	0	0	0	0	0	0	0
1100 - 1200	4	5	13	0	0	0	0	5	3	0	0	0	0	0	0	0	0	0
1200 - 1300	4	3	13	0	0	3	0	3	0	0	0	0	0	0	0	0	0	0
1300 - 1400	0	0	40	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0
1400 - 1500	0	5	41	0	5	0	0	0	0	5	0	0	0	0	0	0	0	0
1500 - 1600	8	5	30	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600 - 1700	2	3	13	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0
1700 - 1800	0	5	15	3	0	0	0	5	0	0	0	0	0	0	0	0	0	0
1800 - 1900	2	3	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900 - 2000	10	3	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000 - 2100	6	5	5	5	0	0	5	0	0	0	0	0	0	0	0	0	0	0
2100 - 2200	0	3	5	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0
2200 - 2300	4	0	3	5	3	0	0	3	0	3	0	0	0	0	0	0	0	0
2300 - 2400	2	3	3	8	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.

Total Starting Emission of FBDD (g)					
NO	NO <sub>2</sub>	RSP	FSP	TSP	
2	0	0	0		
2	0	0	0		
2	0	0	0		
2	0	0	0		
2	0	0	0		
14	2	0	0		
33	5	0	0		
66	10	0	0		
95	14	0	0		
54	8	0	0		
58	9	0	0		
67	10	0	0		
42	6	0	0		
64	9	0	0		
121	18	0	0		
50	8	0	0		
24	4	0	0		
50	8	0	0		
18	3	0	0		
16	2	0	0		
40	6	0	0		
23	3	0	0		
62	9	0	0		
20	3	0	0		

**Riviera Gardens PTI (ID: PT4) (Bus)**

**Cold Idling Emission**

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

Hour	Frequency	Double-Deck Franchised Bus										Double-Deck Franchised Bus										
		Cold Idling Emission Factor (g/min)					Cold Idling Emission (g)					Frequency	Hot Idling Emission Factor (g/min)					Hot Idling Emission (g)				
		NO	NO <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	RSP	FSP	TSP		NO	NO <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	RSP	FSP	TSP
0000 - 0100	0	3.711E+00	4.126E-01	1.086E-03	1.086E-03	1.086E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	4	1.232E-01	1.370E-02	1.086E-03	1.086E-03	1.086E-03	9.855E-01	1.096E-01	8.686E-03	8.686E-03	8.686E-03

Average Distance from Starting Place to PTI Egress =	55	m	**Average distance of Bus, NFB and Minibus
Average Spread Distance outside PTI =	645	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 <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	RSP	FSP	TSP
0000 - 0100	9.855E-01	1.096E-01	8.686E-03	8.686E-03	8.686E-03	4.928E-01	5.478E-02	4.343E-03	4.343E-03	4.343E-03	1.104E-01	1.795E-02	0.000E+00	0.000E+00	1.294E+00	2.105E-01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3.596E-04	5.846E-05	0.000E+00	0.000E+00	0.000E+00

**Riviera Gardens PTI (ID: PT4) (Bus)**

**Running Emission**

Average Travelling Distance within PTI =	110	m
Average Travelling Speed =	15	km/h

Hour	Frequency	Double-Deck Franchised Bus									
		Running Emission Factor (g/km-vehicle)					Running Emission Within PTI (g)				
		NO	NO <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	RSP	FSP	TSP
0000 - 0100	5	4.570E+00	5.081E-01	1.886E-01	1.735E-01		2.514E+00	2.795E-01	1.037E-01	9.543E-02	
0100 - 0200	5	4.570E+00	5.081E-01	1.886E-01	1.735E-01		2.514E+00	2.795E-01	1.037E-01	9.543E-02	
0200 - 0300	5	4.570E+00	5.081E-01	1.886E-01	1.735E-01		2.514E+00	2.795E-01	1.037E-01	9.543E-02	
0300 - 0400	5	4.570E+00	5.081E-01	1.886E-01	1.735E-01		2.514E+00	2.795E-01	1.037E-01	9.543E-02	
0400 - 0500	5	4.570E+00	5.081E-01	1.886E-01	1.735E-01		2.514E+00	2.795E-01	1.037E-01	9.543E-02	
0500 - 0600	9	4.570E+00	5.081E-01	1.886E-01	1.735E-01		4.525E+00	5.030E-01	1.867E-01	1.718E-01	
0600 - 0700	20	4.570E+00	5.081E-01	1.886E-01	1.735E-01		1.005E+01	1.118E+00	4.149E-01	3.817E-01	
0700 - 0800	59	4.570E+00	5.081E-01	1.886E-01	1.735E-01		2.966E+01	3.298E+00	1.224E+00	1.126E+00	
0800 - 0900	48	4.570E+00	5.081E-01	1.886E-01	1.735E-01		2.413E+01	2.683E+00	9.958E-01	9.161E-01	
0900 - 1000	34	4.570E+00	5.081E-01	1.886E-01	1.735E-01		1.709E+01	1.900E+00	7.054E-01	6.489E-01	
1000 - 1100	29	4.570E+00	5.081E-01	1.886E-01	1.735E-01		1.458E+01	1.621E+00	6.016E-01	5.535E-01	
1100 - 1200	31	4.570E+00	5.081E-01	1.886E-01	1.735E-01		1.558E+01	1.733E+00	6.431E-01	5.916E-01	
1200 - 1300	27	4.570E+00	5.081E-01	1.886E-01	1.735E-01		1.357E+01	1.509E+00	5.601E-01	5.153E-01	
1300 - 1400	50	4.570E+00	5.081E-01	1.886E-01	1.735E-01		2.514E+01	2.795E+00	1.037E+00	9.543E-01	
1400 - 1500	61	4.570E+00	5.081E-01	1.886E-01	1.735E-01		3.067E+01	3.409E+00	1.266E+00	1.164E+00	
1500 - 1600	50	4.570E+00	5.081E-01	1.886E-01	1.735E-01		2.514E+01	2.795E+00	1.037E+00	9.543E-01	
1600 - 1700	22	4.570E+00	5.081E-01	1.886E-01	1.735E-01		1.106E+01	1.230E+00	4.564E-01	4.199E-01	
1700 - 1800	28	4.570E+00	5.081E-01	1.886E-01	1.735E-01		1.408E+01	1.565E+00	5.809E-01	5.344E-01	
1800 - 1900	19	4.570E+00	5.081E-01	1.886E-01	1.735E-01		9.552E+00	1.062E+00	3.942E-01	3.626E-01	
1900 - 2000	24	4.570E+00	5.081E-01	1.886E-01	1.735E-01		1.207E+01	1.341E+00	4.979E-01	4.580E-01	
2000 - 2100	28	4.570E+00	5.081E-01	1.886E-01	1.735E-01		1.408E+01	1.565E+00	5.809E-01	5.344E-01	
2100 - 2200	11	4.570E+00	5.081E-01	1.886E-01	1.735E-01		5.530E+00	6.148E-01	2.282E-01	2.099E-01	
2200 - 2300	22	4.570E+00	5.081E-01	1.886E-01	1.735E-01		1.106E+01	1.230E+00	4.564E-01	4.199E-01	
2300 - 2400	17	4.570E+00	5.081E-01	1.886E-01	1.735E-01		8.546E+00	9.501E-01	3.527E-01	3.244E-01	

**Idling Emission**

Idling Time for Non-terminating Buses =	1	min
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Hour	Frequency	Double-Deck Franchised Bus									
		Hot Idling Emission Factor (g/min)					Hot Idling Emission (g)				
		NO	NO <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	RSP	FSP	TSP
0000 - 0100	1	1.232E-01	1.370E-02	1.086E-03	1.086E-03		1.232E-01	1.370E-02	1.086E-03	1.086E-03	
0100 - 0200	1	1.232E-01	1.370E-02	1.086E-03	1.086E-03		1.232E-01	1.370E-02	1.086E-03	1.086E-03	
0200 - 0300	1	1.232E-01	1.370E-02	1.086E-03	1.086E-03		1.232E-01	1.370E-02	1.086E-03	1.086E-03	
0300 - 0400	1	1.232E-01	1.370E-02	1.086E-03	1.086E-03		1.232E-01	1.370E-02	1.086E-03	1.086E-03	
0400 - 0500	1	1.232E-01	1.370E-02	1.086E-03	1.086E-03		1.232E-01	1.370E-02	1.086E-03	1.086E-03	
0500 - 0600	0	1.232E-01	1.370E-02	1.086E-03	1.086E-03		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0600 - 0700	1	1.232E-01	1.370E-02	1.086E-03	1.086E-03		1.232E-01	1.370E-02	1.086E-03	1.086E-03	
0700 - 0800	2	1.232E-01	1.370E-02	1.086E-03	1.086E-03		2.464E-01	2.739E-02	2.172E-03	2.172E-03	
0800 - 0900	0	1.232E-01	1.370E-02	1.086E-03	1.086E-03		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0900 - 1000	0	1.232E-01	1.370E-02	1.086E-03	1.086E-03		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
1000 - 1100	0	1.232E-01	1.370E-02	1.086E-03	1.086E-03		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
1100 - 1200	1	1.232E-01	1.370E-02	1.086E-03	1.086E-03		1.232E-01	1.370E-02	1.086E-03	1.086E-03	
1200 - 1300	1	1.232E-01	1.370E-02	1.086E-03	1.086E-03		1.232E-01	1.370E-02	1.086E-03	1.086E-03	
1300 - 1400	0	1.232E-01	1.370E-02	1.086E-03	1.086E-03		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
1400 - 1500	0	1.232E-01	1.370E-02	1.086E-03	1.086E-03		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
1500 - 1600	2	1.232E-01	1.370E-02	1.086E-03	1.086E-03		2.464E-01	2.739E-02	2.172E-03	2.172E-03	
1600 - 1700	1	1.232E-01	1.370E-02	1.086E-03	1.086E-03		1.232E-01	1.370E-02	1.086E-03	1.086E-03	
1700 - 1800	0	1.232E-01	1.370E-02	1.086E-03	1.086E-03		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
1800 - 1900	1	1.232E-01	1.370E-02	1.086E-03	1.086E-03		1.232E-01	1.370E-02	1.086E-03	1.086E-03	
1900 - 2000	3	1.232E-01	1.370E-02	1.086E-03	1.086E-03		3.696E-01	4.109E-02	3.257E-03	3.257E-03	
2000 - 2100	2	1.232E-01	1.370E-02	1.086E-03	1.086E-03		2.464E-01	2.739E-02	2.172E-03	2.172E-03	
2100 - 2200	0	1.232E-01	1.370E-02	1.086E-03	1.086E-03		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
2200 - 2300	1	1.232E-01	1.370E-02	1.086E-03	1.086E-03		1.232E-01	1.370E-02	1.086E-03	1.086E-03	
2300 - 2400	1	1.232E-01	1.370E-02	1.086E-03	1.086E-03		1.232E-01	1.370E-02	1.086E-03	1.086E-03	

**Riviera Gardens PT1 (ID: PT4) (Bus)**

**Total Hourly Emission**

Hour	Emission Within PT1									
	Total Emission (g) (Running + Idling + Starting)					Total Emission Rate (g/s)				
	NO	NO <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	RSP	FSP	TSP
0000 - 0100	3.733E+00	4.207E-01	1.135E-01	1.052E-01		1.037E-03	1.169E-04	3.153E-05	2.922E-05	
0100 - 0200	3.733E+00	4.207E-01	1.135E-01	1.052E-01		1.037E-03	1.169E-04	3.153E-05	2.922E-05	
0200 - 0300	3.733E+00	4.207E-01	1.135E-01	1.052E-01		1.037E-03	1.169E-04	3.153E-05	2.922E-05	
0300 - 0400	3.733E+00	4.207E-01	1.135E-01	1.052E-01		1.037E-03	1.169E-04	3.153E-05	2.922E-05	
0400 - 0500	3.733E+00	4.207E-01	1.135E-01	1.052E-01		1.037E-03	1.169E-04	3.153E-05	2.922E-05	
0500 - 0600	7.773E+00	9.068E-01	2.063E-01	1.913E-01		2.159E-03	2.519E-04	5.729E-05	5.314E-05	
0600 - 0700	1.728E+01	2.020E+00	4.573E-01	4.240E-01		4.799E-03	5.611E-04	1.270E-04	1.176E-04	
0700 - 0800	6.928E+01	7.900E+00	1.350E+00	1.252E+00		1.924E-02	2.194E-03	3.750E-04	3.478E-04	
0800 - 0900	7.743E+01	8.892E+00	1.100E+00	1.020E+00		2.151E-02	2.470E-03	3.056E-04	2.834E-04	
0900 - 1000	5.007E+01	5.729E+00	7.792E-01	7.227E-01		1.391E-02	1.591E-03	2.164E-04	2.008E-04	
1000 - 1100	6.044E+01	6.892E+00	6.646E-01	6.164E-01		1.679E-02	1.914E-03	1.846E-04	1.712E-04	
1100 - 1200	8.319E+01	9.448E+00	7.094E-01	6.579E-01		2.311E-02	2.624E-03	1.970E-04	1.827E-04	
1200 - 1300	4.381E+01	4.996E+00	6.177E-01	5.728E-01		1.217E-02	1.388E-03	1.716E-04	1.591E-04	
1300 - 1400	4.197E+01	4.856E+00	1.146E+00	1.063E+00		1.166E-02	1.349E-03	3.183E-04	2.952E-04	
1400 - 1500	8.906E+01	1.026E+01	1.399E+00	1.297E+00		2.474E-02	2.857E-03	3.883E-04	3.602E-04	
1500 - 1600	4.070E+01	4.675E+00	1.144E+00	1.061E+00		1.130E-02	1.299E-03	3.177E-04	2.946E-04	
1600 - 1700	1.806E+01	2.061E+00	5.031E-01	4.666E-01		5.017E-03	5.780E-04	1.398E-04	1.296E-04	
1700 - 1800	5.913E+01	6.725E+00	6.417E-01	5.952E-01		1.643E-02	1.868E-03	1.782E-04	1.653E-04	
1800 - 1900	1.537E+01	1.764E+00	4.343E-01	4.028E-01		4.271E-03	4.900E-04	1.207E-04	1.119E-04	
1900 - 2000	1.870E+01	2.128E+00	5.466E-01	5.069E-01		5.193E-03	5.910E-04	1.519E-04	1.408E-04	
2000 - 2100	5.812E+01	6.582E+00	6.395E-01	5.930E-01		1.614E-02	1.828E-03	1.776E-04	1.647E-04	
2100 - 2200	3.061E+01	3.471E+00	2.521E-01	2.338E-01		8.502E-03	9.641E-04	7.003E-05	6.495E-05	
2200 - 2300	6.237E+01	7.119E+00	5.031E-01	4.666E-01		1.733E-02	1.978E-03	1.398E-04	1.296E-04	
2300 - 2400	1.402E+01	1.618E+00	3.885E-01	3.603E-01		3.893E-03	4.493E-04	1.079E-04	1.001E-04	

**Riviera Gardens PTI (ID: PT4) (Minibus)**

**Starting Emission**

No. of PLB (Diesel) to No. of PLB (LPG) Ratio <sup>[1]</sup> =	6.5
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	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 <sub>2</sub>	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)																	
	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	1	1	2	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0
0700 - 0800	3	3	0	0	0	0	0	0	0	0	0	0	2	0	1	0	0	0
0800 - 0900	6	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0900 - 1000	7	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000 - 1100	6	2	3	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0
1100 - 1200	5	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200 - 1300	3	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300 - 1400	1	3	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400 - 1500	1	3	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0
1500 - 1600	3	5	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600 - 1700	3	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700 - 1800	2	1	3	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0
1800 - 1900	1	3	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
1900 - 2000	3	1	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0
2000 - 2100	1	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100 - 2200	1	0	0	3	0	0	1	0	0	0	0	0	0	0	0	0	0	0
2200 - 2300	3	0	0	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0
2300 - 2400	1	0	0	1	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.

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

Total Starting Emission PLB (Diesel) (g)				
NO	NO <sub>2</sub>	RSP	FSP	TSP
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
3	1	0	0	
4	2	0	0	
0	0	0	0	
1	0	0	0	
2	1	0	0	
1	0	0	0	
1	0	0	0	
1	0	0	0	
1	0	0	0	
1	0	0	0	
1	0	0	0	
1	0	0	0	
1	0	0	0	
1	0	0	0	
1	0	0	0	
1	0	0	0	
0	0	0	0	
0	0	0	0	
1	0	0	0	
0	0	0	0	
0	0	0	0	





**Riviera Gardens PT1 (ID: PT4) (Minibus)**

**Starting Emission**

No. of PLB (Diesel) to No. of PLB (LPG) Ratio <sup>[1]</sup> =	6.5
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	Starting Emission Factor (g/trip)																	
NO	1.850E+00	2.788E+00	4.434E+00	5.775E+00	6.812E+00	7.544E+00	7.971E+00	8.197E+00	8.167E+00	8.121E+00	8.059E+00	7.981E+00	7.887E+00	7.778E+00	7.652E+00	7.511E+00	7.353E+00	7.180E+00
NO <sub>2</sub>	9.300E-03	1.400E-02	2.230E-02	2.900E-02	3.420E-02	3.790E-02	4.010E-02	4.120E-02	4.100E-02	4.080E-02	4.050E-02	4.010E-02	3.960E-02	3.910E-02	3.850E-02	3.770E-02	3.700E-02	3.610E-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	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	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 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	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0800 - 0900	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0900 - 1000	1	0	1	0	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	0	0	0	0	0	0	0	0	0	0	0
1200 - 1300	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300 - 1400	0	1	1	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	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600 - 1700	1	1	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	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	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 2033 data of EMFAC-HK.

Total Starting Emission of PLB (LPG) (g)				
NO	NO <sub>2</sub>	RSP	FSP	TSP
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
4	0	0	0	0
5	0	0	0	0
2	0	0	0	0
5	0	0	0	0
8	0	0	0	0
5	0	0	0	0
3	0	0	0	0
5	0	0	0	0
4	0	0	0	0
6	0	0	0	0
3	0	0	0	0
7	0	0	0	0
4	0	0	0	0
6	0	0	0	0
2	0	0	0	0
4	0	0	0	0
3	0	0	0	0
2	0	0	0	0

**Riviera Gardens PTI (ID: PT4) (Minibus)**

**Cold Idling Emission**

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

Hour	Frequency	Public Light Bus (LPG)										Public Light Bus (LPG)										
		Cold Idling Emission Factor (g/min)					Cold Idling Emission (g)					Hot Idling Emission Factor (g/min)					Hot Idling Emission (g)					
		NO	NO <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	RSP	FSP	TSP	Frequency	NO	NO <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	RSP	FSP	TSP
0000 - 0100	0	2.372E-01	1.194E-03	4.965E-04	4.965E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0	3.084E-01	1.552E-03	4.965E-04	4.965E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

Average Distance from Starting Place to PTI Egress =	55	m
Average Spread Distance outside PTI =	95	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 <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	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	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00



**Riviera Gardens PT1 (ID: PT4) (Minibus)**

**Total Hourly Emission**

Hour	Emission Within PT1									
	Total Emission (g) (Running + Idling + Starting)					Total Emission Rate (g/s)				
	NO	NO <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	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	2.728E+00	3.105E-01	3.361E-02	3.130E-02		7.579E-04	8.624E-05	9.337E-06	8.696E-06	
0700 - 0800	4.040E+00	4.943E-01	5.602E-02	5.217E-02		1.122E-03	1.373E-04	1.556E-05	1.449E-05	
0800 - 0900	2.519E+00	3.070E-01	5.042E-02	4.696E-02		6.998E-04	8.527E-05	1.401E-05	1.304E-05	
0900 - 1000	4.068E+00	4.506E-01	7.283E-02	6.783E-02		1.130E-03	1.252E-04	2.023E-05	1.884E-05	
1000 - 1100	6.134E+00	6.075E-01	9.524E-02	8.870E-02		1.704E-03	1.687E-04	2.646E-05	2.464E-05	
1100 - 1200	3.984E+00	4.212E-01	6.723E-02	6.261E-02		1.107E-03	1.170E-04	1.867E-05	1.739E-05	
1200 - 1300	2.545E+00	2.796E-01	4.482E-02	4.174E-02		7.069E-04	7.766E-05	1.245E-05	1.159E-05	
1300 - 1400	4.003E+00	3.930E-01	6.163E-02	5.739E-02		1.112E-03	1.092E-04	1.712E-05	1.594E-05	
1400 - 1500	2.811E+00	2.588E-01	3.922E-02	3.652E-02		7.808E-04	7.188E-05	1.089E-05	1.015E-05	
1500 - 1600	4.446E+00	4.599E-01	7.283E-02	6.783E-02		1.235E-03	1.278E-04	2.023E-05	1.884E-05	
1600 - 1700	2.664E+00	3.107E-01	5.042E-02	4.696E-02		7.399E-04	8.630E-05	1.401E-05	1.304E-05	
1700 - 1800	4.417E+00	4.020E-01	6.163E-02	5.739E-02		1.227E-03	1.117E-04	1.712E-05	1.594E-05	
1800 - 1900	2.581E+00	2.524E-01	3.922E-02	3.652E-02		7.169E-04	7.012E-05	1.089E-05	1.015E-05	
1900 - 2000	4.179E+00	3.961E-01	6.163E-02	5.739E-02		1.161E-03	1.100E-04	1.712E-05	1.594E-05	
2000 - 2100	1.536E+00	1.441E-01	2.241E-02	2.087E-02		4.266E-04	4.002E-05	6.225E-06	5.797E-06	
2100 - 2200	2.299E+00	2.055E-01	2.801E-02	2.609E-02		6.385E-04	5.709E-05	7.781E-06	7.246E-06	
2200 - 2300	2.369E+00	2.354E-01	3.361E-02	3.130E-02		6.581E-04	6.539E-05	9.337E-06	8.696E-06	
2300 - 2400	1.258E+00	1.107E-01	1.681E-02	1.565E-02		3.494E-04	3.074E-05	4.669E-06	4.348E-06	









**Riviera Gardens PT1 (ID: PT4) (NFB)**

**Total Hourly Emission**

Hour	Emission Within Parking Site									
	Total Emission (g) (Running + Idling + Starting)					Total Emission Rate (g/s)				
	NO	NO <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	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	5.024E+00	2.429E+00	8.873E-02	8.202E-02		1.395E-03	6.747E-04	2.465E-05	2.278E-05	
0800 - 0900	3.505E+00	1.695E+00	1.154E-01	1.066E-01		9.737E-04	4.708E-04	3.204E-05	2.962E-05	
0900 - 1000	8.357E-01	4.040E-01	2.662E-02	2.461E-02		2.321E-04	1.122E-04	7.394E-06	6.835E-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	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	4.771E-01	2.307E-01	1.730E-02	1.596E-02		1.325E-04	6.408E-05	4.805E-06	4.433E-06	
1900 - 2000	1.431E+00	6.920E-01	5.190E-02	4.787E-02		3.976E-04	1.922E-04	1.442E-05	1.330E-05	
2000 - 2100	2.386E+01	1.153E-01	8.650E-03	7.979E-03		6.627E-05	3.204E-05	2.403E-06	2.216E-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	

**Nina Tower Bus Terminus (ID: PT5)**

**Starting Emission**

Starting Emission Factor (g/trip)																		
NO	4.744E-01	8.539E-01	1.139E+00	1.613E+00	1.992E+00	2.657E+00	3.890E+00	4.839E+00	7.116E+00	9.298E+00	1.044E+01	1.233E+01	1.357E+01	1.423E+01	1.461E+01	1.499E+01	1.518E+01	1.518E+01
NO <sub>2</sub>	7.080E-02	1.275E-01	1.700E-01	2.408E-01	2.975E-01	3.968E-01	5.807E-01	7.224E-01	1.062E+00	1.388E+00	1.558E+00	1.841E+00	2.026E+00	2.125E+00	2.181E+00	2.238E+00	2.266E+00	2.266E+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	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	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 Sitting Time (min)	No. of Cold Starts of Double-Deck Franchised Bus																	
	5	10	20	30	40	50	60	120	180	240	300	360	420	480	540	600	660	720
0000 - 0100	7	0	1	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0
0100 - 0200	2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
0200 - 0300	2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
0300 - 0400	2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
0400 - 0500	2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
0500 - 0600	1	0	4	4	5	0	0	1	0	2	0	0	0	0	0	0	0	0
0600 - 0700	2	4	6	6	2	2	2	1	1	0	0	0	0	0	0	0	0	0
0700 - 0800	5	2	17	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0
0800 - 0900	11	2	8	11	4	0	0	1	0	1	0	0	0	0	0	0	0	0
0900 - 1000	7	1	6	6	4	1	1	1	0	1	0	0	0	0	0	0	0	0
1000 - 1100	1	4	7	2	5	2	0	1	0	0	0	0	0	0	0	0	0	0
1100 - 1200	4	1	10	2	0	1	0	7	0	0	0	0	0	0	0	0	0	0
1200 - 1300	2	2	1	6	1	0	0	1	0	0	0	0	0	0	0	0	0	0
1300 - 1400	7	0	2	7	4	0	0	5	1	0	0	0	0	0	0	0	0	0
1400 - 1500	4	4	6	6	2	0	2	4	4	0	0	0	0	0	0	0	0	0
1500 - 1600	5	4	5	2	1	1	0	4	0	0	0	0	0	0	0	0	0	0
1600 - 1700	4	1	10	5	4	0	0	5	1	4	0	0	0	0	0	0	0	0
1700 - 1800	4	7	7	7	6	1	0	1	2	0	0	0	0	0	0	0	0	0
1800 - 1900	11	7	8	5	0	0	0	0	0	7	0	0	0	0	0	0	0	0
1900 - 2000	7	6	11	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
2000 - 2100	6	1	11	4	4	0	0	4	0	0	0	0	0	0	0	0	0	0
2100 - 2200	5	0	5	7	1	1	0	4	0	0	0	0	0	0	0	0	0	0
2200 - 2300	9	2	6	4	1	0	0	2	0	0	0	0	0	0	0	0	0	0
2300 - 2400	5	0	1	4	5	1	0	3	2	0	1	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.

Total Starting Emission of FBDD (g)				
NO	NO <sub>2</sub>	RSP	FSP	TSP
13	2	0	0	
3	0	0	0	
3	0	0	0	
3	0	0	0	
3	0	0	0	
45	7	0	0	
50	7	0	0	
29	4	0	0	
56	8	0	0	
49	7	0	0	
35	5	0	0	
54	8	0	0	
20	3	0	0	
56	8	0	0	
81	12	0	0	
39	6	0	0	
99	15	0	0	
61	9	0	0	
93	14	0	0	
30	5	0	0	
50	7	0	0	
43	6	0	0	
31	5	0	0	
42	6	0	0	

**Nina Tower Bus Terminus (ID: PT5)**

**Cold Idling Emission**

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

Hour	Frequency	Double-Deck Franchised Bus										Double-Deck Franchised Bus										
		Cold Idling Emission Factor (g/min)					Cold Idling Emission (g)					Frequency	Hot Idling Emission Factor (g/min)					Hot Idling Emission (g)				
		NO	NO <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	RSP	FSP	TSP		NO	NO <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	RSP	FSP	TSP
0000 - 0100	0	3.711E+00	4.126E-01	1.086E-03	1.086E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	12	1.232E-01	1.370E-02	1.086E-03	1.086E-03	2.957E+00	3.287E-01	2.606E-02	2.606E-02			

Average Distance from Starting Place to PT1 Egress =	75	m
Average Spread Distance outside PT1 =	625	m

Hour	Idling Emission (g)					Emission for Adjusting Starting Emission (g)					Adjusted Starting Emission Within PT1 (g)					Adjusted Starting Emission Outside PT1 (g)					Starting Emission Rate Outside PT1 (g/s)				
	NO	NO <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	RSP	FSP	TSP
0000 - 0100	2.957E+00	3.287E-01	2.606E-02	2.606E-02		1.478E+00	1.644E-01	1.303E-02	1.303E-02		1.204E+00	1.857E-01	0.000E+00	0.000E+00		1.003E+01	1.548E+00	0.000E+00	0.000E+00		2.787E-03	4.300E-04	0.000E+00	0.000E+00	



**Nina Tower Bus Terminus (ID: PT5)**

**Total Hourly Emission**

Hour	Emission Within PTI									
	Total Emission (g) (Running + Idling + Starting)					Total Emission Rate (g/s)				
	NO	NO <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	RSP	FSP	TSP
0000 - 0100	1.400E+01	1.609E+00	4.243E-01	3.926E-01		3.890E-03	4.469E-04	1.179E-04	1.091E-04	
0100 - 0200	3.880E+00	4.434E-01	1.208E-01	1.117E-01		1.078E-03	1.232E-04	3.354E-05	3.103E-05	
0200 - 0300	3.071E+00	3.535E-01	9.138E-02	8.459E-02		8.531E-04	9.818E-05	2.538E-05	2.350E-05	
0300 - 0400	3.071E+00	3.535E-01	9.138E-02	8.459E-02		8.531E-04	9.818E-05	2.538E-05	2.350E-05	
0400 - 0500	3.071E+00	3.535E-01	9.138E-02	8.459E-02		8.531E-04	9.818E-05	2.538E-05	2.350E-05	
0500 - 0600	4.080E+01	4.719E+00	5.178E-01	4.793E-01		1.133E-02	1.311E-03	1.438E-04	1.332E-04	
0600 - 0700	5.640E+01	6.474E+00	7.920E-01	7.331E-01		1.567E-02	1.798E-03	2.200E-04	2.036E-04	
0700 - 0800	2.876E+01	3.317E+00	8.518E-01	7.884E-01		7.988E-03	9.213E-04	2.366E-04	2.190E-04	
0800 - 0900	5.691E+01	6.555E+00	1.246E+00	1.153E+00		1.581E-02	1.821E-03	3.460E-04	3.202E-04	
0900 - 1000	5.219E+01	6.004E+00	8.823E-01	8.166E-01		1.450E-02	1.668E-03	2.451E-04	2.268E-04	
1000 - 1100	3.320E+01	3.835E+00	7.583E-01	7.017E-01		9.223E-03	1.065E-03	2.106E-04	1.949E-04	
1100 - 1200	7.871E+01	8.971E+00	8.497E-01	7.862E-01		2.186E-02	2.492E-03	2.360E-04	2.184E-04	
1200 - 1300	2.334E+01	2.677E+00	4.841E-01	4.479E-01		6.482E-03	7.437E-04	1.345E-04	1.244E-04	
1300 - 1400	7.227E+01	8.264E+00	8.508E-01	7.873E-01		2.008E-02	2.296E-03	2.363E-04	2.187E-04	
1400 - 1500	1.077E+02	1.230E+01	1.034E+00	9.565E-01		2.990E-02	3.417E-03	2.871E-04	2.657E-04	
1500 - 1600	5.314E+01	6.066E+00	7.289E-01	6.745E-01		1.476E-02	1.685E-03	2.025E-04	1.874E-04	
1600 - 1700	1.122E+02	1.287E+01	1.124E+00	1.040E+00		3.115E-02	3.575E-03	3.122E-04	2.889E-04	
1700 - 1800	6.066E+01	6.993E+00	1.125E+00	1.041E+00		1.685E-02	1.942E-03	3.125E-04	2.892E-04	
1800 - 1900	9.489E+01	1.093E+01	1.246E+00	1.153E+00		2.636E-02	3.036E-03	3.460E-04	3.202E-04	
1900 - 2000	3.624E+01	4.152E+00	8.790E-01	8.134E-01		1.007E-02	1.153E-03	2.442E-04	2.259E-04	
2000 - 2100	6.251E+01	7.154E+00	1.002E+00	9.272E-01		1.736E-02	1.987E-03	2.783E-04	2.576E-04	
2100 - 2200	5.456E+01	6.243E+00	7.594E-01	7.027E-01		1.516E-02	1.734E-03	2.109E-04	1.952E-04	
2200 - 2300	4.137E+01	4.726E+00	8.192E-01	7.581E-01		1.149E-02	1.313E-03	2.276E-04	2.106E-04	
2300 - 2400	4.390E+01	5.050E+00	6.375E-01	5.900E-01		1.219E-02	1.403E-03	1.771E-04	1.639E-04	

**Kwai Fong Station PTI (ID: PT6) (Bus)**

**Starting Emission**

Starting Emission Factor (g/trip)																		
NO	4.744E-01	8.539E-01	1.139E+00	1.613E+00	1.992E+00	2.657E+00	3.890E+00	4.839E+00	7.116E+00	9.298E+00	1.044E+01	1.233E+01	1.357E+01	1.423E+01	1.461E+01	1.499E+01	1.518E+01	1.518E+01
NO <sub>2</sub>	7.080E-02	1.275E-01	1.700E-01	2.408E-01	2.975E-01	3.966E-01	5.807E-01	7.224E-01	1.062E+00	1.388E+00	1.558E+00	1.841E+00	2.026E+00	2.125E+00	2.181E+00	2.238E+00	2.266E+00	2.266E+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	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	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 Sitting Time (min)	No. of Cold Starts of Double-Deck Franchised Bus																	
	5	10	20	30	40	50	60	120	180	240	300	360	420	480	540	600	660	720
0000 - 0100	6	3	7	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0
0100 - 0200	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0200 - 0300	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0300 - 0400	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0400 - 0500	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0500 - 0600	6	1	3	5	3	2	1	0	0	0	0	0	0	0	0	0	0	0
0600 - 0700	14	5	20	2	0	2	1	0	0	0	0	0	0	0	0	0	0	0
0700 - 0800	18	21	23	5	1	0	1	0	0	0	0	0	0	0	0	0	0	0
0800 - 0900	20	17	30	5	1	0	0	0	0	1	0	0	0	0	0	0	0	0
0900 - 1000	19	12	25	8	2	0	0	1	0	0	0	0	0	0	0	0	0	0
1000 - 1100	15	14	20	7	2	2	0	3	0	0	0	0	0	0	0	0	0	0
1100 - 1200	16	11	29	11	0	0	0	3	0	0	0	0	0	0	0	0	0	0
1200 - 1300	10	5	24	3	1	0	0	0	2	0	0	0	0	0	0	0	0	0
1300 - 1400	15	17	23	5	2	1	1	1	0	1	0	0	0	0	0	0	0	0
1400 - 1500	13	11	29	6	0	0	0	1	1	0	0	0	0	0	0	0	0	0
1500 - 1600	14	9	28	8	0	0	0	0	0	1	0	0	0	0	0	0	0	0
1600 - 1700	15	5	36	7	0	0	0	0	0	1	0	0	0	0	0	0	0	0
1700 - 1800	15	12	27	3	1	0	0	0	0	2	0	0	0	0	0	0	0	0
1800 - 1900	19	23	35	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900 - 2000	15	17	21	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
2000 - 2100	15	2	30	8	1	0	0	1	0	0	0	0	0	0	0	0	0	0
2100 - 2200	11	3	19	6	2	1	1	0	0	0	0	0	0	0	0	0	0	0
2200 - 2300	12	3	18	7	0	0	0	3	1	0	0	0	0	0	0	0	0	0
2300 - 2400	9	3	13	7	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.

Total Starting Emission of FBDD (g)				
NO	NO <sub>2</sub>	RSP	FSP	TSP
27	4	0	0	
1	0	0	0	
1	0	0	0	
1	0	0	0	
30	5	0	0	
1	0	0	0	
46	7	0	0	
67	10	0	0	
78	12	0	0	
69	10	0	0	
77	11	0	0	
82	12	0	0	
57	9	0	0	
81	12	0	0	
70	10	0	0	
68	10	0	0	
73	11	0	0	
74	11	0	0	
80	12	0	0	
49	7	0	0	
63	9	0	0	
50	7	0	0	
62	9	0	0	
33	5	0	0	

**Kwai Fong Station PTI (ID: PT6) (Bus)**

**Cold Idling Emission**

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

Hour	Frequency	Double-Deck Franchised Bus										Double-Deck Franchised Bus										
		Cold Idling Emission Factor (g/min)					Cold Idling Emission (g)					Frequency	Hot Idling Emission Factor (g/min)					Hot Idling Emission (g)				
		NO	NO <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	RSP	FSP	TSP		NO	NO <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	RSP	FSP	TSP
0000 - 0100	0	3.711E+00	4.126E-01	1.086E-03	1.086E-03		0.000E+00	0.000E+00	0.000E+00	0.000E+00		24	1.232E-01	1.370E-02	1.086E-03	1.086E-03		5.913E+00	6.574E-01	5.212E-02	5.212E-02	

Average Distance from Starting Place to PTI Egress =	56	m
Average Spread Distance outside PTI =	644	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 <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	RSP	FSP	TSP
0000 - 0100	5.913E+00	6.574E-01	5.212E-02	5.212E-02		2.957E+00	3.287E-01	2.606E-02	2.606E-02		1.896E+00	2.921E-01	0.000E+00	0.000E+00		2.181E+01	3.360E+00	0.000E+00	0.000E+00		6.058E-03	9.332E-04	0.000E+00	0.000E+00	





**Kwai Fong Station PTI (ID: PT6) (Bus)**

**Total Hourly Emission**

Hour	Emission Within PTI									
	Total Emission (g) (Running + Idling + Starting)					Total Emission Rate (g/s)				
	NO	NO <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	RSP	FSP	TSP
0000 - 0100	2.581E+01	2.951E+00	7.590E-01	7.031E-01		7.261E-03	8.336E-04	2.108E-04	1.953E-04	
0100 - 0200	2.843E+00	3.189E-01	9.101E-02	8.424E-02		7.897E-04	8.859E-05	2.528E-05	2.340E-05	
0200 - 0300	2.843E+00	3.189E-01	9.101E-02	8.424E-02		7.897E-04	8.859E-05	2.528E-05	2.340E-05	
0300 - 0400	2.843E+00	3.189E-01	9.101E-02	8.424E-02		7.897E-04	8.859E-05	2.528E-05	2.340E-05	
0400 - 0500	2.843E+00	3.189E-01	9.101E-02	8.424E-02		7.897E-04	8.859E-05	2.528E-05	2.340E-05	
0500 - 0600	3.075E+01	3.511E+00	6.891E-01	6.383E-01		8.853E-03	1.023E-03	1.914E-04	1.773E-04	
0600 - 0700	5.557E+01	6.319E+00	1.447E+00	1.340E+00		1.600E-02	1.841E-03	4.019E-04	3.723E-04	
0700 - 0800	7.846E+01	8.926E+00	2.118E+00	1.963E+00		2.236E-02	2.566E-03	5.884E-04	5.452E-04	
0800 - 0900	8.562E+01	9.755E+00	2.323E+00	2.153E+00		2.428E-02	2.786E-03	6.454E-04	5.980E-04	
0900 - 1000	7.910E+01	9.006E+00	2.138E+00	1.981E+00		2.241E-02	2.569E-03	5.939E-04	5.503E-04	
1000 - 1100	8.731E+01	9.941E+00	1.934E+00	1.792E+00		2.481E-02	2.847E-03	5.372E-04	4.978E-04	
1100 - 1200	9.297E+01	1.059E+01	2.097E+00	1.943E+00		2.644E-02	3.036E-03	5.825E-04	5.398E-04	
1200 - 1300	6.094E+01	6.950E+00	1.359E+00	1.259E+00		1.755E-02	2.025E-03	3.776E-04	3.498E-04	
1300 - 1400	8.984E+01	1.023E+01	2.004E+00	1.857E+00		2.557E-02	2.938E-03	5.566E-04	5.158E-04	
1400 - 1500	7.648E+01	8.717E+00	1.821E+00	1.687E+00		2.180E-02	2.507E-03	5.058E-04	4.686E-04	
1500 - 1600	6.933E+01	7.917E+00	1.820E+00	1.686E+00		1.988E-02	2.294E-03	5.055E-04	4.683E-04	
1600 - 1700	7.333E+01	8.374E+00	1.935E+00	1.793E+00		2.099E-02	2.421E-03	5.375E-04	4.981E-04	
1700 - 1800	7.727E+01	8.814E+00	1.842E+00	1.707E+00		2.214E-02	2.553E-03	5.116E-04	4.740E-04	
1800 - 1900	8.513E+01	9.707E+00	2.512E+00	2.328E+00		2.431E-02	2.798E-03	6.978E-04	6.466E-04	
1900 - 2000	5.716E+01	6.505E+00	1.703E+00	1.578E+00		1.643E-02	1.892E-03	4.731E-04	4.383E-04	
2000 - 2100	6.727E+01	7.670E+00	1.772E+00	1.642E+00		1.924E-02	2.216E-03	4.922E-04	4.560E-04	
2100 - 2200	5.257E+01	5.995E+00	1.335E+00	1.237E+00		1.522E-02	1.760E-03	3.708E-04	3.435E-04	
2200 - 2300	7.495E+01	8.520E+00	1.368E+00	1.258E+00		2.128E-02	2.437E-03	3.773E-04	3.495E-04	
2300 - 2400	3.357E+01	3.832E+00	9.897E-01	9.170E-01		9.540E-03	1.098E-03	2.749E-04	2.547E-04	

**Lai King North Bus Terminus (ID: PT7) (Bus)**

**Starting Emission**

Starting Emission Factor (g/trip)																		
NO	4.744E-01	8.539E-01	1.139E+00	1.613E+00	1.992E+00	2.657E+00	3.890E+00	4.839E+00	7.116E+00	9.298E+00	1.044E+01	1.233E+01	1.357E+01	1.423E+01	1.461E+01	1.499E+01	1.518E+01	1.518E+01
NO <sub>2</sub>	7.080E-02	1.275E-01	1.700E-01	2.408E-01	2.975E-01	3.968E-01	5.807E-01	7.224E-01	1.062E+00	1.388E+00	1.558E+00	1.841E+00	2.026E+00	2.125E+00	2.181E+00	2.238E+00	2.266E+00	2.266E+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	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	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 Sitting Time (min)	No. of Cold Starts of Double-Deck Franchised Bus																		
	5	10	20	30	40	50	60	120	180	240	300	360	420	480	540	600	660	720	
0000 - 0100	0	0	3	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
0200 - 0300	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
0400 - 0500	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
0600 - 0700	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0700 - 0800	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0800 - 0900	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0900 - 1000	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000 - 1100	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100 - 1200	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200 - 1300	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300 - 1400	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400 - 1500	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500 - 1600	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600 - 1700	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700 - 1800	0	2	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800 - 1900	0	3	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900 - 2000	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000 - 2100	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100 - 2200	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200 - 2300	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300 - 2400	0	0	5	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.

Total Starting Emission of FBDD (g)				
NO	NO <sub>2</sub>	RSP	FSP	TSP
3	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	
5	1	0	0	
9	1	0	0	
10	2	0	0	
9	1	0	0	
9	1	0	0	
9	1	0	0	
8	1	0	0	
8	1	0	0	
8	1	0	0	
8	1	0	0	
10	2	0	0	
11	2	0	0	
11	2	0	0	
9	1	0	0	
8	1	0	0	
9	1	0	0	
6	1	0	0	
6	1	0	0	

**Lai King North Bus Terminus (ID: PT7) (Bus)**

**Cold Idling Emission**

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

Hour	Frequency	Double-Deck Franchised Bus										Double-Deck Franchised Bus												
		Cold Idling Emission Factor (g/min)					Cold Idling Emission (g)					Frequency	Hot Idling Emission Factor (g/min)					Hot Idling Emission (g)						
		NO	NO <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	RSP	FSP	TSP		NO	NO <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	RSP	FSP	TSP		
0000 - 0100	0	3.711E+00	4.126E-01	1.086E-03	1.086E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3	1.232E-01	1.370E-02	1.086E-03	1.086E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	7.392E-01	8.218E-02	6.515E-03	6.515E-03
2300 - 2400	0	3.711E+00	4.126E-01	1.086E-03	1.086E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	5	1.232E-01	1.370E-02	1.086E-03	1.086E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1.232E+00	1.370E-01	1.086E-02	1.086E-02

Average Distance from Starting Place to PT1 Egress =	25	m
Average Spread Distance outside PT1 =	675	m

Hour	Idling Emission (g)					Emission for Adjusting Starting Emission (g)					Adjusted Starting Emission Within PT1 (g)					Adjusted Starting Emission Outside PT1 (g)					Starting Emission Rate Outside PT1 (g/s)				
	NO	NO <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	RSP	FSP	TSP
0000 - 0100	7.392E-01	8.218E-02	6.515E-03	6.515E-03		3.696E-01	4.109E-02	3.257E-03	3.257E-03		1.088E-01	1.675E-02	0.000E+00	0.000E+00		2.937E+00	4.522E-01	0.000E+00	0.000E+00		8.159E-04	1.256E-04	0.000E+00	0.000E+00	
2300 - 2400	1.232E+00	1.370E-01	1.086E-02	1.086E-02		6.160E-01	6.848E-02	5.429E-03	5.429E-03		1.813E-01	2.791E-02	0.000E+00	0.000E+00		4.895E+00	7.536E-01	0.000E+00	0.000E+00		1.360E-03	2.093E-04	0.000E+00	0.000E+00	



**Lai King North Bus Terminus (ID: PT7) (Bus)**

**Total Hourly Emission**

Hour	Emission Within PTI									
	Total Emission (g) (Running + Idling + Starting)					Total Emission Rate (g/s)				
	NO	NO <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	RSP	FSP	TSP
0000 - 0100	1.533E+00	1.751E-01	3.480E-02	3.254E-02		4.260E-04	4.865E-05	9.668E-06	9.039E-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	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	2.045E+00	2.335E-01	4.641E-02	4.339E-02		5.680E-04	6.487E-05	1.289E-05	1.205E-05	
0700 - 0800	4.089E+00	4.670E-01	9.281E-02	8.677E-02		1.136E-03	1.297E-04	2.578E-05	2.410E-05	
0800 - 0900	4.600E+00	5.254E-01	1.044E-01	9.762E-02		1.278E-03	1.459E-04	2.900E-05	2.712E-05	
0900 - 1000	4.089E+00	4.670E-01	9.281E-02	8.677E-02		1.136E-03	1.297E-04	2.578E-05	2.410E-05	
1000 - 1100	4.089E+00	4.670E-01	9.281E-02	8.677E-02		1.136E-03	1.297E-04	2.578E-05	2.410E-05	
1100 - 1200	4.089E+00	4.670E-01	9.281E-02	8.677E-02		1.136E-03	1.297E-04	2.578E-05	2.410E-05	
1200 - 1300	3.578E+00	4.087E-01	8.121E-02	7.593E-02		9.939E-04	1.135E-04	2.256E-05	2.109E-05	
1300 - 1400	3.578E+00	4.087E-01	8.121E-02	7.593E-02		9.939E-04	1.135E-04	2.256E-05	2.109E-05	
1400 - 1500	3.578E+00	4.087E-01	8.121E-02	7.593E-02		9.939E-04	1.135E-04	2.256E-05	2.109E-05	
1500 - 1600	3.578E+00	4.087E-01	8.121E-02	7.593E-02		9.939E-04	1.135E-04	2.256E-05	2.109E-05	
1600 - 1700	4.600E+00	5.254E-01	1.044E-01	9.762E-02		1.278E-03	1.459E-04	2.900E-05	2.712E-05	
1700 - 1800	5.091E+00	5.808E-01	1.160E-01	1.085E-01		1.414E-03	1.613E-04	3.223E-05	3.013E-05	
1800 - 1900	5.081E+00	5.792E-01	1.160E-01	1.085E-01		1.411E-03	1.609E-04	3.223E-05	3.013E-05	
1900 - 2000	4.089E+00	4.670E-01	9.281E-02	8.677E-02		1.136E-03	1.297E-04	2.578E-05	2.410E-05	
2000 - 2100	3.578E+00	4.087E-01	8.121E-02	7.593E-02		9.939E-04	1.135E-04	2.256E-05	2.109E-05	
2100 - 2200	4.089E+00	4.670E-01	9.281E-02	8.677E-02		1.136E-03	1.297E-04	2.578E-05	2.410E-05	
2200 - 2300	2.556E+00	2.919E-01	5.801E-02	5.423E-02		7.099E-04	8.108E-05	1.611E-05	1.506E-05	
2300 - 2400	2.556E+00	2.919E-01	5.801E-02	5.423E-02		7.099E-04	8.108E-05	1.611E-05	1.506E-05	

**Bayview Garden Bus Terminus (ID: PT8) (Bus)**

**Starting Emission**

Starting Emission Factor (g/trip)																		
NO	4.744E-01	8.539E-01	1.139E+00	1.613E+00	1.992E+00	2.657E+00	3.890E+00	4.839E+00	7.116E+00	9.298E+00	1.044E+01	1.233E+01	1.357E+01	1.423E+01	1.461E+01	1.499E+01	1.518E+01	1.518E+01
NO <sub>2</sub>	7.080E-02	1.275E-01	1.700E-01	2.408E-01	2.975E-01	3.966E-01	5.807E-01	7.224E-01	1.062E+00	1.388E+00	1.558E+00	1.841E+00	2.026E+00	2.125E+00	2.181E+00	2.238E+00	2.266E+00	2.266E+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	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	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 Sitting Time (min)	No. of Cold Starts of Double-Deck Franchised Bus																	
	5	10	20	30	40	50	60	120	180	240	300	360	420	480	540	600	660	720
0000 - 0100	0	0	6	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	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0600 - 0700	0	8	12	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0700 - 0800	0	22	9	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0800 - 0900	0	25	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0900 - 1000	0	13	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000 - 1100	0	14	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100 - 1200	0	13	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200 - 1300	0	14	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300 - 1400	0	13	8	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400 - 1500	0	14	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500 - 1600	0	13	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600 - 1700	0	15	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700 - 1800	0	17	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800 - 1900	0	17	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900 - 2000	0	14	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000 - 2100	0	14	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100 - 2200	0	13	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200 - 2300	0	8	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300 - 2400	0	7	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.

Total Starting Emission of FBDD (g)				
NO	NO <sub>2</sub>	RSP	FSP	TSP
7	1	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
3	0	0	0	
0	0	0	0	
22	3	0	0	
32	5	0	0	
32	5	0	0	
26	4	0	0	
23	3	0	0	
22	3	0	0	
23	3	0	0	
22	3	0	0	
21	3	0	0	
20	3	0	0	
22	3	0	0	
24	4	0	0	
24	4	0	0	
21	3	0	0	
20	3	0	0	
19	3	0	0	
19	3	0	0	
14	2	0	0	

**Bayview Garden Bus Terminus (ID: PT8) (Bus)**

**Cold Idling Emission**

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

Hour	Frequency	Double-Deck Franchised Bus										Double-Deck Franchised Bus										
		Cold Idling Emission Factor (g/min)					Cold Idling Emission (g)					Frequency	Hot Idling Emission Factor (g/min)					Hot Idling Emission (g)				
		NO	NO <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	RSP	FSP	TSP		NO	NO <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	RSP	FSP	TSP
0000 - 0100	0	3.711E+00	4.126E-01	1.086E-03	1.086E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	6	1.232E-01	1.370E-02	1.086E-03	1.086E-03	1.478E+00	1.644E-01	1.303E-02	1.303E-02			

Average Distance from Starting Place to PT1 Egress =	40	m
Average Spread Distance outside PT1 =	660	m

Hour	Idling Emission (g)					Emission for Adjusting Starting Emission (g)					Adjusted Starting Emission Within PT1 (g)					Adjusted Starting Emission Outside PT1 (g)					Starting Emission Rate Outside PT1 (g/s)				
	NO	NO <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	RSP	FSP	TSP
0000 - 0100	1.478E+00	1.644E-01	1.303E-02	1.303E-02		7.392E-01	8.218E-02	6.515E-03	6.515E-03		3.481E-01	5.359E-02	0.000E+00	0.000E+00		5.744E+00	8.842E-01	0.000E+00	0.000E+00		1.595E-03	2.456E-04	0.000E+00	0.000E+00	





**Bayview Garden Bus Terminus (ID: PT8) (Bus)**

**Total Hourly Emission**

Hour	Emission Within PTI									
	Total Emission (g) (Running + Idling + Starting)					Total Emission Rate (g/s)				
	NO	NO <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	RSP	FSP	TSP
0000 - 0100	4.020E+00	4.618E-01	1.036E-01	9.631E-02		1.117E-03	1.283E-04	2.877E-05	2.675E-05	
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	1.978E+00	2.281E-01	5.178E-02	4.815E-02		5.493E-04	6.279E-05	1.438E-05	1.338E-05	
0600 - 0700	1.397E+01	1.601E+00	3.625E-01	3.371E-01		3.880E-03	4.447E-04	1.007E-04	9.363E-05	
0700 - 0800	2.181E+01	2.495E+00	5.696E-01	5.297E-01		6.058E-03	6.930E-04	1.582E-04	1.471E-04	
0800 - 0900	2.237E+01	2.556E+00	5.868E-01	5.458E-01		6.215E-03	7.101E-04	1.630E-04	1.516E-04	
0900 - 1000	1.721E+01	1.970E+00	4.487E-01	4.173E-01		4.780E-03	5.471E-04	1.247E-04	1.159E-04	
1000 - 1100	1.524E+01	1.744E+00	3.970E-01	3.692E-01		4.233E-03	4.846E-04	1.103E-04	1.026E-04	
1100 - 1200	1.458E+01	1.670E+00	3.797E-01	3.531E-01		4.051E-03	4.639E-04	1.055E-04	9.809E-05	
1200 - 1300	1.524E+01	1.744E+00	3.970E-01	3.692E-01		4.233E-03	4.846E-04	1.103E-04	1.026E-04	
1300 - 1400	1.456E+01	1.666E+00	3.797E-01	3.531E-01		4.043E-03	4.627E-04	1.055E-04	9.809E-05	
1400 - 1500	1.451E+01	1.659E+00	3.797E-01	3.531E-01		4.031E-03	4.609E-04	1.055E-04	9.809E-05	
1500 - 1600	1.386E+01	1.585E+00	3.625E-01	3.371E-01		3.850E-03	4.402E-04	1.007E-04	9.363E-05	
1600 - 1700	1.517E+01	1.734E+00	3.970E-01	3.692E-01		4.213E-03	4.816E-04	1.103E-04	1.026E-04	
1700 - 1800	1.647E+01	1.883E+00	4.315E-01	4.013E-01		4.576E-03	5.231E-04	1.199E-04	1.115E-04	
1800 - 1900	1.647E+01	1.883E+00	4.315E-01	4.013E-01		4.576E-03	5.231E-04	1.199E-04	1.115E-04	
1900 - 2000	1.451E+01	1.659E+00	3.797E-01	3.531E-01		4.031E-03	4.609E-04	1.055E-04	9.809E-05	
2000 - 2100	1.384E+01	1.582E+00	3.625E-01	3.371E-01		3.845E-03	4.396E-04	1.007E-04	9.363E-05	
2100 - 2200	1.319E+01	1.508E+00	3.452E-01	3.210E-01		3.664E-03	4.188E-04	9.589E-05	8.918E-05	
2200 - 2300	1.260E+01	1.443E+00	3.279E-01	3.050E-01		3.500E-03	4.008E-04	9.109E-05	8.472E-05	
2300 - 2400	8.651E+00	9.917E-01	2.244E-01	2.087E-01		2.403E-03	2.755E-04	6.233E-05	5.796E-05	

**Belvedere Garden Bus Terminus (ID: PT9) (Bus)**

**Starting Emission**

Starting Emission Factor (g/trip)																		
NO	4.744E-01	8.539E-01	1.139E+00	1.613E+00	1.992E+00	2.657E+00	3.890E+00	4.839E+00	7.116E+00	9.298E+00	1.044E+01	1.233E+01	1.357E+01	1.423E+01	1.461E+01	1.499E+01	1.518E+01	1.518E+01
NO <sub>2</sub>	7.080E-02	1.275E-01	1.700E-01	2.408E-01	2.975E-01	3.966E-01	5.807E-01	7.224E-01	1.062E+00	1.388E+00	1.558E+00	1.841E+00	2.026E+00	2.125E+00	2.181E+00	2.238E+00	2.266E+00	2.266E+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	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	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 Sitting Time (min)	No. of Cold Starts of Double-Deck Franchised Bus																	
	5	10	20	30	40	50	60	120	180	240	300	360	420	480	540	600	660	720
0000 - 0100	0	0	2	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	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0600 - 0700	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0700 - 0800	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0800 - 0900	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0900 - 1000	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000 - 1100	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100 - 1200	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200 - 1300	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300 - 1400	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400 - 1500	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500 - 1600	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600 - 1700	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700 - 1800	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800 - 1900	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900 - 2000	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000 - 2100	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100 - 2200	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200 - 2300	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300 - 2400	0	0	3	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.

Total Starting Emission of FBDD (g)				
NO	NO <sub>2</sub>	RSP	FSP	TSP
2	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
1	0	0	0	
6	1	0	0	
5	1	0	0	
5	1	0	0	
5	1	0	0	
5	1	0	0	
5	1	0	0	
5	1	0	0	
5	1	0	0	
5	1	0	0	
5	1	0	0	
5	1	0	0	
5	1	0	0	
5	1	0	0	
3	1	0	0	
3	1	0	0	





**Belvedere Garden Bus Terminus (ID: PT9) (Bus)**

**Total Hourly Emission**

Hour	Emission Within PTI									
	Total Emission (g) (Running + Idling + Starting)					Total Emission Rate (g/s)				
	NO	NO <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	RSP	FSP	TSP
0000 - 0100	1.171E+00	1.341E-01	2.848E-02	2.655E-02		3.252E-04	3.725E-05	7.912E-06	7.375E-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	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	5.853E-01	6.706E-02	1.424E-02	1.328E-02		1.626E-04	1.863E-05	3.956E-06	3.688E-06	
0600 - 0700	2.926E+00	3.353E-01	7.121E-02	6.638E-02		8.129E-04	9.313E-05	1.978E-05	1.844E-05	
0700 - 0800	2.341E+00	2.682E-01	5.697E-02	5.310E-02		6.503E-04	7.451E-05	1.582E-05	1.475E-05	
0800 - 0900	2.341E+00	2.682E-01	5.697E-02	5.310E-02		6.503E-04	7.451E-05	1.582E-05	1.475E-05	
0900 - 1000	2.341E+00	2.682E-01	5.697E-02	5.310E-02		6.503E-04	7.451E-05	1.582E-05	1.475E-05	
1000 - 1100	2.341E+00	2.682E-01	5.697E-02	5.310E-02		6.503E-04	7.451E-05	1.582E-05	1.475E-05	
1100 - 1200	1.756E+00	2.012E-01	4.273E-02	3.983E-02		4.877E-04	5.588E-05	1.187E-05	1.106E-05	
1200 - 1300	2.341E+00	2.682E-01	5.697E-02	5.310E-02		6.503E-04	7.451E-05	1.582E-05	1.475E-05	
1300 - 1400	2.341E+00	2.682E-01	5.697E-02	5.310E-02		6.503E-04	7.451E-05	1.582E-05	1.475E-05	
1400 - 1500	2.341E+00	2.682E-01	5.697E-02	5.310E-02		6.503E-04	7.451E-05	1.582E-05	1.475E-05	
1500 - 1600	2.341E+00	2.682E-01	5.697E-02	5.310E-02		6.503E-04	7.451E-05	1.582E-05	1.475E-05	
1600 - 1700	2.341E+00	2.682E-01	5.697E-02	5.310E-02		6.503E-04	7.451E-05	1.582E-05	1.475E-05	
1700 - 1800	2.926E+00	3.353E-01	7.121E-02	6.638E-02		8.129E-04	9.313E-05	1.978E-05	1.844E-05	
1800 - 1900	2.341E+00	2.682E-01	5.697E-02	5.310E-02		6.503E-04	7.451E-05	1.582E-05	1.475E-05	
1900 - 2000	2.341E+00	2.682E-01	5.697E-02	5.310E-02		6.503E-04	7.451E-05	1.582E-05	1.475E-05	
2000 - 2100	2.341E+00	2.682E-01	5.697E-02	5.310E-02		6.503E-04	7.451E-05	1.582E-05	1.475E-05	
2100 - 2200	1.756E+00	2.012E-01	4.273E-02	3.983E-02		4.877E-04	5.588E-05	1.187E-05	1.106E-05	
2200 - 2300	1.756E+00	2.012E-01	4.273E-02	3.983E-02		4.877E-04	5.588E-05	1.187E-05	1.106E-05	
2300 - 2400	1.756E+00	2.012E-01	4.273E-02	3.983E-02		4.877E-04	5.588E-05	1.187E-05	1.106E-05	

**Kwai Fong South Bus Terminus (ID: PT10) (Bus)**

**Starting Emission**

Starting Emission Factor (g/trip)																		
NO	4.744E-01	8.539E-01	1.139E+00	1.613E+00	1.992E+00	2.657E+00	3.890E+00	4.839E+00	7.116E+00	9.298E+00	1.044E+01	1.233E+01	1.357E+01	1.423E+01	1.461E+01	1.499E+01	1.518E+01	1.518E+01
NO <sub>2</sub>	7.080E-02	1.275E-01	1.700E-01	2.408E-01	2.975E-01	3.968E-01	5.807E-01	7.224E-01	1.062E+00	1.388E+00	1.558E+00	1.841E+00	2.026E+00	2.125E+00	2.181E+00	2.238E+00	2.266E+00	2.266E+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	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	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 Sitting Time (min)	No. of Cold Starts of Double-Deck Franchised Bus																	
	5	10	20	30	40	50	60	120	180	240	300	360	420	480	540	600	660	720
0000 - 0100	0	0	0	1	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	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0600 - 0700	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0700 - 0800	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0800 - 0900	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0900 - 1000	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000 - 1100	0	0	6	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100 - 1200	0	0	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200 - 1300	0	0	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300 - 1400	0	0	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400 - 1500	0	0	6	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500 - 1600	0	0	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600 - 1700	0	0	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700 - 1800	0	0	8	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800 - 1900	0	1	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900 - 2000	0	0	6	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000 - 2100	0	0	6	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100 - 2200	0	0	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200 - 2300	0	0	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300 - 2400	0	0	2	1	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.

Total Starting Emission of FBDD (g)				
NO	NO <sub>2</sub>	RSP	FSP	TSP
2	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
6	1	0	0	
10	2	0	0	
10	2	0	0	
9	1	0	0	
8	1	0	0	
10	2	0	0	
11	2	0	0	
11	2	0	0	
11	2	0	0	
10	2	0	0	
11	2	0	0	
11	2	0	0	
12	2	0	0	
12	2	0	0	
10	2	0	0	
10	2	0	0	
11	2	0	0	
8	1	0	0	
4	1	0	0	

**Kwai Fong South Bus Terminus (ID: PT10) (Bus)**

**Cold Idling Emission**

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

Hour	Frequency	Double-Deck Franchised Bus										Double-Deck Franchised Bus											
		Cold Idling Emission Factor (g/min)					Cold Idling Emission (g)					Frequency	Hot Idling Emission Factor (g/min)					Hot Idling Emission (g)					
		NO	NO <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	RSP	FSP	TSP		NO	NO <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	RSP	FSP	TSP	
0000 - 0100	0	3.711E+00	4.126E-01	1.086E-03	1.086E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1	1.232E-01	1.370E-02	1.086E-03	1.086E-03	2.464E-01	2.739E-02	2.172E-03	2.172E-03	0.000E+00	0.000E+00	0.000E+00	0.000E+00

Average Distance from Starting Place to PT1 Egress =	40	m
Average Spread Distance outside PT1 =	660	m

Hour	Idling Emission (g)					Emission for Adjusting Starting Emission (g)					Adjusted Starting Emission Within PT1 (g)					Adjusted Starting Emission Outside PT1 (g)					Starting Emission Rate Outside PT1 (g/s)				
	NO	NO <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	RSP	FSP	TSP
0000 - 0100	2.464E-01	2.739E-02	2.172E-03	2.172E-03		1.232E-01	1.370E-02	1.086E-03	1.086E-03		8.513E-02	1.298E-02	0.000E+00	0.000E+00		1.405E+00	2.141E-01	0.000E+00	0.000E+00		3.902E-04	5.948E-05	0.000E+00	0.000E+00	





**Kwai Fong South Bus Terminus (ID: PT10) (Bus)**

**Total Hourly Emission**

Hour	Emission Within PT1									
	Total Emission (g) (Running + Idling + Starting)					Total Emission Rate (g/s)				
	NO	NO <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	RSP	FSP	TSP
0000 - 0100	6.971E-01	8.102E-02	1.726E-02	1.605E-02		1.937E-04	2.250E-05	4.794E-06	4.459E-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	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	3.350E+00	3.849E-01	8.630E-02	8.026E-02		9.306E-04	1.069E-04	2.397E-05	2.229E-05	
0600 - 0700	6.030E+00	6.927E-01	1.553E-01	1.445E-01		1.675E-03	1.924E-04	4.315E-05	4.013E-05	
0700 - 0800	6.030E+00	6.927E-01	1.553E-01	1.445E-01		1.675E-03	1.924E-04	4.315E-05	4.013E-05	
0800 - 0900	5.360E+00	6.158E-01	1.381E-01	1.284E-01		1.489E-03	1.710E-04	3.835E-05	3.567E-05	
0900 - 1000	4.690E+00	5.388E-01	1.208E-01	1.124E-01		1.303E-03	1.497E-04	3.356E-05	3.121E-05	
1000 - 1100	5.414E+00	6.239E-01	1.381E-01	1.284E-01		1.504E-03	1.733E-04	3.835E-05	3.567E-05	
1100 - 1200	6.084E+00	7.008E-01	1.553E-01	1.445E-01		1.690E-03	1.947E-04	4.315E-05	4.013E-05	
1200 - 1300	6.084E+00	7.008E-01	1.553E-01	1.445E-01		1.690E-03	1.947E-04	4.315E-05	4.013E-05	
1300 - 1400	6.084E+00	7.008E-01	1.553E-01	1.445E-01		1.690E-03	1.947E-04	4.315E-05	4.013E-05	
1400 - 1500	5.414E+00	6.239E-01	1.381E-01	1.284E-01		1.504E-03	1.733E-04	3.835E-05	3.567E-05	
1500 - 1600	6.084E+00	7.008E-01	1.553E-01	1.445E-01		1.690E-03	1.947E-04	4.315E-05	4.013E-05	
1600 - 1700	6.084E+00	7.008E-01	1.553E-01	1.445E-01		1.690E-03	1.947E-04	4.315E-05	4.013E-05	
1700 - 1800	6.754E+00	7.778E-01	1.726E-01	1.605E-01		1.876E-03	2.161E-04	4.794E-05	4.459E-05	
1800 - 1900	7.354E+00	8.443E-01	1.899E-01	1.766E-01		2.043E-03	2.345E-04	5.274E-05	4.905E-05	
1900 - 2000	5.414E+00	6.239E-01	1.381E-01	1.284E-01		1.504E-03	1.733E-04	3.835E-05	3.567E-05	
2000 - 2100	5.414E+00	6.239E-01	1.381E-01	1.284E-01		1.504E-03	1.733E-04	3.835E-05	3.567E-05	
2100 - 2200	6.084E+00	7.008E-01	1.553E-01	1.445E-01		1.690E-03	1.947E-04	4.315E-05	4.013E-05	
2200 - 2300	4.102E+00	4.740E-01	1.036E-01	9.631E-02		1.139E-03	1.317E-04	2.877E-05	2.675E-05	
2300 - 2400	2.037E+00	2.350E-01	5.178E-02	4.815E-02		5.659E-04	6.527E-05	1.438E-05	1.338E-05	







**Kwai Tsui Estate Bus Terminus (ID: PT11) (Bus)**

**Starting Emission**

Starting Emission Factor (g/trip)																		
NO	4.744E-01	8.539E-01	1.139E+00	1.613E+00	1.992E+00	2.657E+00	3.890E+00	4.839E+00	7.116E+00	9.298E+00	1.044E+01	1.233E+01	1.357E+01	1.423E+01	1.461E+01	1.499E+01	1.518E+01	1.518E+01
NO <sub>2</sub>	7.080E-02	1.275E-01	1.700E-01	2.408E-01	2.975E-01	3.968E-01	5.807E-01	7.224E-01	1.062E+00	1.388E+00	1.558E+00	1.841E+00	2.026E+00	2.125E+00	2.181E+00	2.238E+00	2.266E+00	2.266E+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	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	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 Sitting Time (min)	No. of Cold Starts of Double-Deck Franchised Bus																	
	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	1	1	0	0	0	0
0700 - 0800	2	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0
0800 - 0900	4	0	0	1	0	2	0	0	0	0	0	0	0	0	0	0	0	0
0900 - 1000	4	2	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000 - 1100	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0
1100 - 1200	1	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0
1200 - 1300	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0
1300 - 1400	1	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0
1400 - 1500	2	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0
1500 - 1600	2	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0
1600 - 1700	0	0	2	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0
1700 - 1800	2	0	0	1	0	4	0	0	0	0	0	0	0	0	0	0	0	0
1800 - 1900	0	0	1	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0
1900 - 2000	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
2000 - 2100	0	1	0	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0
2100 - 2200	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200 - 2300	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
2300 - 2400	0	0	0	0	0	1	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.

Total Starting Emission of FBDD (g)				
NO	NO <sub>2</sub>	RSP	FSP	TSP
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
26	4	0	0	0
8	1	0	0	0
9	1	0	0	0
10	2	0	0	0
6	1	0	0	0
8	1	0	0	0
8	1	0	0	0
7	1	0	0	0
9	1	0	0	0
7	1	0	0	0
6	1	0	0	0
13	2	0	0	0
8	1	0	0	0
5	1	0	0	0
10	2	0	0	0
3	0	0	0	0
5	1	0	0	0
3	0	0	0	0





**Kwai Tsui Estate Bus Terminus (ID: PT11) (Bus)**

**Total Hourly Emission**

Hour	Emission Within PT1									
	Total Emission (g) (Running + Idling + Starting)					Total Emission Rate (g/s)				
	NO	NO <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	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	1.605E+01	1.823E+00	2.471E-02	2.308E-02		4.459E-03	5.063E-04	6.864E-06	6.411E-06	
0700 - 0800	2.735E+00	3.152E-01	6.178E-02	5.770E-02		7.597E-04	8.756E-05	1.716E-05	1.603E-05	
0800 - 0900	3.759E+00	4.309E-01	8.649E-02	8.078E-02		1.044E-03	1.197E-04	2.403E-05	2.244E-05	
0900 - 1000	5.768E+00	6.563E-01	1.359E-01	1.269E-01		1.602E-03	1.823E-04	3.775E-05	3.526E-05	
1000 - 1100	1.681E+00	1.951E-01	3.707E-02	3.462E-02		4.670E-04	5.421E-05	1.030E-05	9.617E-06	
1100 - 1200	2.768E+00	3.201E-01	6.178E-02	5.770E-02		7.688E-04	8.893E-05	1.716E-05	1.603E-05	
1200 - 1300	2.261E+00	2.631E-01	4.942E-02	4.616E-02		6.281E-04	7.308E-05	1.373E-05	1.282E-05	
1300 - 1400	2.228E+00	2.582E-01	4.942E-02	4.616E-02		6.189E-04	7.172E-05	1.373E-05	1.282E-05	
1400 - 1500	3.275E+00	3.772E-01	7.414E-02	6.924E-02		9.096E-04	1.048E-04	2.059E-05	1.923E-05	
1500 - 1600	2.695E+00	3.032E-01	6.178E-02	5.770E-02		7.485E-04	8.589E-05	1.716E-05	1.603E-05	
1600 - 1700	2.195E+00	2.533E-01	4.942E-02	4.616E-02		6.098E-04	7.035E-05	1.373E-05	1.282E-05	
1700 - 1800	3.928E+00	4.560E-01	8.649E-02	8.078E-02		1.091E-03	1.267E-04	2.403E-05	2.244E-05	
1800 - 1900	2.764E+00	3.196E-01	6.178E-02	5.770E-02		7.678E-04	8.877E-05	1.716E-05	1.603E-05	
1900 - 2000	1.648E+00	1.902E-01	3.707E-02	3.462E-02		4.579E-04	5.284E-05	1.030E-05	9.617E-06	
2000 - 2100	3.333E+00	3.859E-01	7.414E-02	6.924E-02		9.259E-04	1.072E-04	2.059E-05	1.923E-05	
2100 - 2200	1.083E+00	1.244E-01	2.471E-02	2.308E-02		3.008E-04	3.457E-05	6.864E-06	6.411E-06	
2200 - 2300	1.648E+00	1.902E-01	3.707E-02	3.462E-02		4.579E-04	5.284E-05	1.030E-05	9.617E-06	
2300 - 2400	5.909E-01	6.960E-02	1.236E-02	1.154E-02		1.641E-04	1.933E-05	3.432E-06	3.206E-06	



**Allway Garden Bus Terminus (ID: PT12) (Bus)**

**Starting Emission**

Starting Emission Factor (g/trip)																		
NO	4.744E-01	8.539E-01	1.139E+00	1.613E+00	1.992E+00	2.657E+00	3.890E+00	4.839E+00	7.116E+00	9.298E+00	1.044E+01	1.233E+01	1.357E+01	1.423E+01	1.461E+01	1.499E+01	1.518E+01	1.518E+01
NO <sub>2</sub>	7.080E-02	1.275E-01	1.700E-01	2.408E-01	2.975E-01	3.966E-01	5.807E-01	7.224E-01	1.062E+00	1.388E+00	1.558E+00	1.841E+00	2.026E+00	2.125E+00	2.181E+00	2.238E+00	2.266E+00	2.266E+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	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	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 Sitting Time (min)	No. of Cold Starts of Double-Deck Franchised Bus																	
	5	10	20	30	40	50	60	120	180	240	300	360	420	480	540	600	660	720
0000 - 0100	0	0	4	3	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	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0300 - 0400	0	0	0	1	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	2	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0
0600 - 0700	0	0	8	4	0	0	1	0	0	0	0	0	0	0	0	0	0	0
0700 - 0800	0	8	10	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0
0800 - 0900	0	8	7	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0
0900 - 1000	0	8	6	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0
1000 - 1100	0	7	6	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0
1100 - 1200	0	6	6	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0
1200 - 1300	0	8	6	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0
1300 - 1400	0	8	6	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0
1400 - 1500	0	8	4	4	0	0	1	0	0	0	0	0	0	0	0	0	0	0
1500 - 1600	0	8	3	3	0	0	1	0	0	0	0	0	0	0	0	0	0	0
1600 - 1700	0	8	3	4	0	0	1	0	0	0	0	0	0	0	0	0	0	0
1700 - 1800	0	8	4	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0
1800 - 1900	0	8	6	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0
1900 - 2000	0	8	4	4	0	0	1	0	0	0	0	0	0	0	0	0	0	0
2000 - 2100	0	8	4	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0
2100 - 2200	0	8	3	3	0	0	1	0	0	0	0	0	0	0	0	0	0	0
2200 - 2300	0	6	3	3	0	0	1	0	0	0	0	0	0	0	0	0	0	0
2300 - 2400	0	0	7	4	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.

Total Starting Emission of FBDD (g)				
NO	NO <sub>2</sub>	RSP	FSP	TSP
9	1	0	0	
0	0	0	0	
3	0	0	0	
2	0	0	0	
0	0	0	0	
8	1	0	0	
19	3	0	0	
25	4	0	0	
20	3	0	0	
19	3	0	0	
18	3	0	0	
17	3	0	0	
19	3	0	0	
19	3	0	0	
22	3	0	0	
19	3	0	0	
21	3	0	0	
19	3	0	0	
21	3	0	0	
22	3	0	0	
19	3	0	0	
19	3	0	0	
17	3	0	0	
14	2	0	0	





**Allway Garden Bus Terminus (ID: PT12) (Bus)**

**Total Hourly Emission**

Hour	Emission Within PTI									
	Total Emission (g)					Total Emission Rate (g/s)				
	NO	NO <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	RSP	FSP	TSP
0000 - 0100	5.618E+00	6.418E-01	1.467E-01	1.364E-01		1.580E-03	1.783E-04	4.075E-05	3.790E-05	
0100 - 0200	8.679E-01	9.649E-02	2.782E-02	2.577E-02		2.411E-04	2.680E-05	7.728E-06	7.158E-06	
0200 - 0300	1.259E+00	1.459E-01	2.999E-02	2.794E-02		3.487E-04	4.054E-05	8.331E-06	7.761E-06	
0300 - 0400	6.295E-01	7.297E-02	1.500E-02	1.397E-02		1.749E-04	2.027E-05	4.166E-06	3.890E-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	9.584E+00	1.080E+00	5.999E-02	5.588E-02		2.662E-03	3.000E-04	1.666E-05	1.552E-05	
0600 - 0700	1.641E+01	1.861E+00	2.367E-01	2.203E-01		4.569E-03	5.169E-04	6.579E-05	6.118E-05	
0700 - 0800	1.510E+01	1.725E+00	3.898E-01	3.589E-01		4.184E-03	4.793E-04	1.071E-04	9.969E-05	
0800 - 0900	1.866E+01	2.110E+00	2.967E-01	2.761E-01		5.183E-03	5.887E-04	8.241E-05	7.670E-05	
0900 - 1000	1.805E+01	2.043E+00	2.817E-01	2.622E-01		5.015E-03	5.674E-04	7.824E-05	7.282E-05	
1000 - 1100	1.746E+01	1.976E+00	2.667E-01	2.482E-01		4.850E-03	5.486E-04	7.408E-05	6.894E-05	
1100 - 1200	1.687E+01	1.908E+00	2.517E-01	2.342E-01		4.686E-03	5.299E-04	6.991E-05	6.506E-05	
1200 - 1300	1.805E+01	2.043E+00	2.817E-01	2.622E-01		5.015E-03	5.674E-04	7.824E-05	7.282E-05	
1300 - 1400	1.805E+01	2.043E+00	2.817E-01	2.622E-01		5.015E-03	5.674E-04	7.824E-05	7.282E-05	
1400 - 1500	1.873E+01	2.122E+00	2.967E-01	2.761E-01		5.203E-03	5.896E-04	8.241E-05	7.670E-05	
1500 - 1600	1.749E+01	1.980E+00	2.667E-01	2.482E-01		4.859E-03	5.500E-04	7.408E-05	6.894E-05	
1600 - 1700	1.812E+01	2.053E+00	2.817E-01	2.622E-01		5.034E-03	5.703E-04	7.824E-05	7.282E-05	
1700 - 1800	1.704E+01	1.928E+00	2.528E-01	2.353E-01		4.732E-03	5.356E-04	7.021E-05	6.536E-05	
1800 - 1900	1.868E+01	2.116E+00	2.967E-01	2.761E-01		5.190E-03	5.877E-04	8.241E-05	7.670E-05	
1900 - 2000	1.873E+01	2.122E+00	2.967E-01	2.761E-01		5.203E-03	5.896E-04	8.241E-05	7.670E-05	
2000 - 2100	1.747E+01	1.976E+00	2.667E-01	2.482E-01		4.833E-03	5.490E-04	7.408E-05	6.894E-05	
2100 - 2200	1.749E+01	1.980E+00	2.667E-01	2.482E-01		4.859E-03	5.500E-04	7.408E-05	6.894E-05	
2200 - 2300	1.631E+01	1.845E+00	2.367E-01	2.203E-01		4.530E-03	5.125E-04	6.579E-05	6.118E-05	
2300 - 2400	7.197E+00	8.269E-01	1.789E-01	1.666E-01		1.999E-03	2.297E-04	4.969E-05	4.626E-05	

**Allway Garden Bus Terminus (ID: PT12) (Minibus)**

**Starting Emission**

No. of PLB (Diesel) to No. of PLB (LPG) Ratio <sup>[1]</sup> =	6.5
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	Starting Emission Factor (g/trip)																	
<b>NO</b>	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
<b>NO<sub>2</sub></b>	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
<b>RSP</b>	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
<b>FSP</b>	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
<b>TSP</b>	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	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 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
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

Total Starting Emission of PLB (Diesel) (g)					
NO	NO <sub>2</sub>	RSP	FSP	TSP	
0	0	0	0	0	
0	0	0	0	0	
0	0	0	0	0	
0	0	0	0	0	
0	0	0	0	0	
0	0	0	0	0	
0	0	0	0	0	
0	0	0	0	0	
0	0	0	0	0	
0	0	0	0	0	
0	0	0	0	0	
0	0	0	0	0	
0	0	0	0	0	
0	0	0	0	0	
0	0	0	0	0	
0	0	0	0	0	
0	0	0	0	0	
0	0	0	0	0	
0	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.











**Allway Garden Bus Terminus (ID: PT12) (Minibus)**

**Total Hourly Emission**

Hour	Emission Within PT1									
	Total Emission (g) (Running + Idling + Starting)					Total Emission Rate (g/s)				
	NO	NO <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	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	1.051E+00	2.065E-01	4.393E-02	4.060E-02		2.920E-04	5.737E-05	1.220E-05	1.128E-05	
0700 - 0800	1.051E+00	2.065E-01	4.393E-02	4.060E-02		2.920E-04	5.737E-05	1.220E-05	1.128E-05	
0800 - 0900	9.012E-01	1.770E-01	3.766E-02	3.480E-02		2.503E-04	4.918E-05	1.046E-05	9.667E-06	
0900 - 1000	9.762E-01	1.918E-01	4.079E-02	3.770E-02		2.712E-04	5.327E-05	1.133E-05	1.047E-05	
1000 - 1100	6.008E-01	1.180E-01	2.510E-02	2.320E-02		1.669E-04	3.278E-05	6.973E-06	6.445E-06	
1100 - 1200	6.759E-01	1.328E-01	2.824E-02	2.610E-02		1.877E-04	3.688E-05	7.845E-06	7.250E-06	
1200 - 1300	6.759E-01	1.328E-01	2.824E-02	2.610E-02		1.877E-04	3.688E-05	7.845E-06	7.250E-06	
1300 - 1400	1.051E+00	2.065E-01	4.393E-02	4.060E-02		2.920E-04	5.737E-05	1.220E-05	1.128E-05	
1400 - 1500	6.008E-01	1.180E-01	2.510E-02	2.320E-02		1.669E-04	3.278E-05	6.973E-06	6.445E-06	
1500 - 1600	7.510E-01	1.475E-01	3.138E-02	2.900E-02		2.086E-04	4.098E-05	8.717E-06	8.056E-06	
1600 - 1700	8.261E-01	1.623E-01	3.452E-02	3.190E-02		2.295E-04	4.508E-05	9.599E-06	8.861E-06	
1700 - 1800	6.008E-01	1.180E-01	2.510E-02	2.320E-02		1.669E-04	3.278E-05	6.973E-06	6.445E-06	
1800 - 1900	6.008E-01	1.180E-01	2.510E-02	2.320E-02		1.669E-04	3.278E-05	6.973E-06	6.445E-06	
1900 - 2000	7.510E-01	1.475E-01	3.138E-02	2.900E-02		2.086E-04	4.098E-05	8.717E-06	8.056E-06	
2000 - 2100	6.759E-01	1.328E-01	2.824E-02	2.610E-02		1.877E-04	3.688E-05	7.845E-06	7.250E-06	
2100 - 2200	6.008E-01	1.180E-01	2.510E-02	2.320E-02		1.669E-04	3.278E-05	6.973E-06	6.445E-06	
2200 - 2300	6.759E-01	1.328E-01	2.824E-02	2.610E-02		1.877E-04	3.688E-05	7.845E-06	7.250E-06	
2300 - 2400	7.510E-02	1.475E-02	3.138E-03	2.900E-03		2.086E-05	4.098E-06	8.717E-07	8.056E-07	

**Allway Garden Bus Terminus (ID: PT12) (Minibus) & Allway Garden Bus Terminus (ID: PT12) (Bus)**

**Total Hourly Emission**

Hour	Emission Within PTI (PLB + Bus)									
	Total Emission (g) (Running + Idling + Starting)					Total Emission Rate (g/s)				
	NO	NO <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	RSP	FSP	TSP
0000 - 0100	5.616E+00	6.418E-01	1.467E-01	1.364E-01		1.560E-03	1.783E-04	4.075E-05	3.790E-05	
0100 - 0200	8.679E-01	9.649E-02	2.782E-02	2.577E-02		2.411E-04	2.680E-05	7.728E-06	7.158E-06	
0200 - 0300	1.259E+00	1.459E-01	2.999E-02	2.794E-02		3.497E-04	4.054E-05	8.331E-06	7.761E-06	
0300 - 0400	6.295E-01	7.297E-02	1.500E-02	1.397E-02		1.749E-04	2.027E-05	4.166E-06	3.880E-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	9.584E+00	1.080E+00	5.999E-02	5.588E-02		2.662E-03	3.000E-04	1.666E-05	1.552E-05	
0600 - 0700	1.747E+01	2.067E+00	2.806E-01	2.609E-01		4.851E-03	5.743E-04	7.795E-05	7.246E-05	
0700 - 0800	1.615E+01	1.932E+00	4.295E-01	3.995E-01		4.486E-03	5.367E-04	1.193E-04	1.110E-04	
0800 - 0900	1.956E+01	2.289E+00	3.343E-01	3.109E-01		5.434E-03	6.359E-04	9.287E-05	8.637E-05	
0900 - 1000	1.903E+01	2.234E+00	3.225E-01	2.999E-01		5.286E-03	6.207E-04	8.957E-05	8.330E-05	
1000 - 1100	1.806E+01	2.093E+00	2.918E-01	2.714E-01		5.017E-03	5.814E-04	8.105E-05	7.539E-05	
1100 - 1200	1.754E+01	2.040E+00	2.799E-01	2.603E-01		4.873E-03	5.668E-04	7.776E-05	7.231E-05	
1200 - 1300	1.873E+01	2.175E+00	3.099E-01	2.883E-01		5.203E-03	6.043E-04	8.609E-05	8.007E-05	
1300 - 1400	1.910E+01	2.249E+00	3.256E-01	3.028E-01		5.307E-03	6.248E-04	9.045E-05	8.410E-05	
1400 - 1500	1.933E+01	2.240E+00	3.218E-01	2.993E-01		5.369E-03	6.224E-04	8.938E-05	8.315E-05	
1500 - 1600	1.824E+01	2.127E+00	2.981E-01	2.772E-01		5.068E-03	5.910E-04	8.279E-05	7.700E-05	
1600 - 1700	1.895E+01	2.215E+00	3.162E-01	2.941E-01		5.264E-03	6.153E-04	8.783E-05	8.168E-05	
1700 - 1800	1.764E+01	2.046E+00	2.779E-01	2.585E-01		4.899E-03	5.684E-04	7.719E-05	7.181E-05	
1800 - 1900	1.928E+01	2.234E+00	3.218E-01	2.993E-01		5.357E-03	6.204E-04	8.938E-05	8.315E-05	
1900 - 2000	1.948E+01	2.270E+00	3.281E-01	3.051E-01		5.411E-03	6.305E-04	9.113E-05	8.476E-05	
2000 - 2100	1.815E+01	2.109E+00	2.949E-01	2.743E-01		5.041E-03	5.859E-04	8.192E-05	7.619E-05	
2100 - 2200	1.809E+01	2.098E+00	2.918E-01	2.714E-01		5.026E-03	5.828E-04	8.105E-05	7.539E-05	
2200 - 2300	1.698E+01	1.978E+00	2.649E-01	2.464E-01		4.718E-03	5.494E-04	7.359E-05	6.843E-05	
2300 - 2400	7.273E+00	8.416E-01	1.820E-01	1.694E-01		2.020E-03	2.338E-04	5.056E-05	4.707E-05	







**Container Port Road South (ID: 2)**

**Total Hourly Emission**

Hour	Emission Within Parking Site									
	Total Emission (g) (Running + Idling + Starting)					Total Emission Rate (g/s)				
	NO	NO <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	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
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
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
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
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
0500 - 0600	1.530E+01	7.041E+00	2.108E-01	1.940E-01		4.251E-03	1.956E-03	5.857E-05	5.388E-05	
0600 - 0700	2.249E+01	1.044E+01	3.126E-01	2.874E-01		6.248E-03	2.899E-03	8.682E-05	7.984E-05	
0700 - 0800	4.330E+01	2.002E+01	6.378E-01	5.865E-01		1.203E-02	5.560E-03	1.772E-04	1.629E-04	
0800 - 0900	3.798E+01	1.778E+01	5.963E-01	5.484E-01		1.055E-02	4.934E-03	1.656E-04	1.523E-04	
0900 - 1000	2.857E+01	1.352E+01	4.295E-01	3.949E-01		7.936E-03	3.756E-03	1.193E-04	1.097E-04	
1000 - 1100	6.109E+00	2.978E+00	1.457E-01	1.340E-01		1.697E-03	8.271E-04	4.048E-05	3.722E-05	
1100 - 1200	2.274E+01	1.057E+01	5.477E-01	5.037E-01		6.316E-03	2.935E-03	1.521E-04	1.399E-04	
1200 - 1300	1.271E+01	5.905E+00	2.981E-01	2.742E-01		3.531E-03	1.640E-03	8.281E-05	7.616E-05	
1300 - 1400	2.045E+01	9.615E+00	4.826E-01	4.437E-01		5.681E-03	2.671E-03	1.341E-04	1.233E-04	
1400 - 1500	1.238E+01	6.001E+00	3.059E-01	2.812E-01		3.439E-03	1.667E-03	8.497E-05	7.811E-05	
1500 - 1600	1.731E+01	8.181E+00	4.682E-01	4.305E-01		4.808E-03	2.273E-03	1.300E-04	1.196E-04	
1600 - 1700	1.416E+01	6.773E+00	3.735E-01	3.432E-01		3.935E-03	1.881E-03	1.037E-04	9.534E-05	
1700 - 1800	9.785E+00	4.741E+00	2.816E-01	2.589E-01		2.718E-03	1.317E-03	7.823E-05	7.191E-05	
1800 - 1900	1.886E+01	8.935E+00	4.537E-01	4.173E-01		5.239E-03	2.482E-03	1.260E-04	1.159E-04	
1900 - 2000	1.055E+01	5.142E+00	2.429E-01	2.233E-01		2.930E-03	1.428E-03	6.747E-05	6.203E-05	
2000 - 2100	3.443E+00	1.676E+00	9.716E-02	8.932E-02		9.565E-04	4.657E-04	2.699E-05	2.481E-05	
2100 - 2200	1.756E+00	8.551E-01	4.858E-02	4.466E-02		4.878E-04	2.375E-04	1.349E-05	1.241E-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	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	

























**Container Port Road (ID: 15)**

**Total Hourly Emission**

Hour	Emission Within Parking Site									
	Total Emission (g) (Running + Idling + Starting)					Total Emission Rate (g/s)				
	NO	NO <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	RSP	FSP	TSP
0000 - 0100	7.808E-01	3.732E-01	2.915E-02	2.680E-02		2.169E-04	1.053E-04	8.097E-06	7.443E-06	
0100 - 0200	3.904E-01	1.896E-01	1.457E-02	1.340E-02		1.084E-04	5.267E-05	4.048E-06	3.722E-06	
0200 - 0300	4.294E+00	2.086E+00	1.603E-01	1.474E-01		1.193E-03	5.794E-04	4.453E-05	4.094E-05	
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	6.665E+00	3.222E+00	9.610E-02	8.833E-02		1.852E-03	8.950E-04	2.669E-05	2.454E-05	
0600 - 0700	2.457E+01	1.159E+01	3.538E-01	3.251E-01		6.826E-03	3.221E-03	9.828E-05	9.030E-05	
0700 - 0800	2.227E+01	1.060E+01	3.743E-01	3.439E-01		6.187E-03	2.944E-03	1.040E-04	9.554E-05	
0800 - 0900	3.300E+01	1.578E+01	5.283E-01	4.856E-01		9.168E-03	4.382E-03	1.467E-04	1.349E-04	
0900 - 1000	2.695E+01	1.298E+01	5.287E-01	4.860E-01		7.486E-03	3.607E-03	1.469E-04	1.360E-04	
1000 - 1100	1.730E+01	8.310E+00	3.871E-01	3.558E-01		4.805E-03	2.308E-03	1.075E-04	9.883E-05	
1100 - 1200	1.508E+01	7.226E+00	3.656E-01	3.360E-01		4.190E-03	2.007E-03	1.015E-04	9.333E-05	
1200 - 1300	1.521E+01	7.181E+00	3.738E-01	3.436E-01		4.225E-03	1.995E-03	1.038E-04	9.546E-05	
1300 - 1400	1.895E+01	9.024E+00	4.817E-01	4.429E-01		5.264E-03	2.507E-03	1.338E-04	1.230E-04	
1400 - 1500	2.227E+01	1.063E+01	5.508E-01	5.063E-01		6.187E-03	2.952E-03	1.530E-04	1.406E-04	
1500 - 1600	1.847E+01	8.826E+00	4.752E-01	4.368E-01		5.129E-03	2.452E-03	1.320E-04	1.219E-04	
1600 - 1700	2.232E+01	1.061E+01	5.292E-01	4.865E-01		6.209E-03	2.948E-03	1.470E-04	1.351E-04	
1700 - 1800	1.087E+01	5.283E+00	2.856E-01	2.625E-01		3.020E-03	1.468E-03	7.932E-05	7.292E-05	
1800 - 1900	1.779E+01	8.492E+00	4.258E-01	3.915E-01		4.942E-03	2.359E-03	1.183E-04	1.087E-04	
1900 - 2000	1.682E+01	8.103E+00	4.009E-01	3.686E-01		4.671E-03	2.251E-03	1.114E-04	1.024E-04	
2000 - 2100	6.779E+00	3.301E+00	1.895E-01	1.742E-01		1.883E-03	9.169E-04	5.263E-05	4.838E-05	
2100 - 2200	3.434E+00	1.673E+00	8.744E-02	8.039E-02		9.538E-04	4.647E-04	2.429E-05	2.233E-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	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	















**Kwai Wo Street (ID: 21)**

**Total Hourly Emission**

Hour	Emission Within Parking Site									
	Total Emission (g) (Running + Idling + Starting)					Total Emission Rate (g/s)				
	NO	NO <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	RSP	FSP	TSP
0000 - 0100	4.053E-01	1.968E-01	1.513E-02	1.391E-02		1.126E-04	5.468E-05	4.203E-06	3.863E-06	
0100 - 0200	4.053E-01	1.968E-01	1.513E-02	1.391E-02		1.126E-04	5.468E-05	4.203E-06	3.863E-06	
0200 - 0300	3.647E+00	1.772E+00	1.362E-01	1.252E-01		1.013E-03	4.921E-04	3.782E-05	3.477E-05	
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	2.366E+00	1.156E+00	3.026E-02	2.782E-02		6.571E-04	3.212E-04	8.405E-06	7.727E-06	
0500 - 0600	1.221E+01	5.759E+00	1.800E-01	1.654E-01		3.390E-03	1.600E-03	4.999E-05	4.595E-05	
0600 - 0700	3.265E+01	1.577E+01	4.267E-01	3.922E-01		9.070E-03	4.380E-03	1.185E-04	1.090E-04	
0700 - 0800	1.901E+01	9.062E+00	2.715E-01	2.496E-01		5.281E-03	2.517E-03	7.543E-05	6.934E-05	
0800 - 0900	3.658E+01	1.724E+01	6.284E-01	5.777E-01		1.016E-02	4.790E-03	1.746E-04	1.605E-04	
0900 - 1000	2.901E+01	1.385E+01	6.348E-01	5.837E-01		8.058E-03	3.846E-03	1.763E-04	1.621E-04	
1000 - 1100	1.308E+01	6.201E+00	3.017E-01	2.773E-01		3.634E-03	1.723E-03	8.380E-05	7.704E-05	
1100 - 1200	1.781E+01	8.419E+00	4.111E-01	3.779E-01		4.946E-03	2.339E-03	1.142E-04	1.050E-04	
1200 - 1300	3.605E+01	1.689E+01	7.918E-01	7.278E-01		1.001E-02	4.690E-03	2.199E-04	2.022E-04	
1300 - 1400	3.122E+01	1.464E+01	6.932E-01	6.373E-01		8.673E-03	4.067E-03	1.926E-04	1.770E-04	
1400 - 1500	2.963E+01	1.393E+01	7.044E-01	6.477E-01		8.229E-03	3.869E-03	1.957E-04	1.799E-04	
1500 - 1600	3.069E+01	1.442E+01	6.612E-01	6.079E-01		8.524E-03	4.004E-03	1.837E-04	1.689E-04	
1600 - 1700	2.284E+01	1.074E+01	4.974E-01	4.573E-01		6.345E-03	2.984E-03	1.382E-04	1.270E-04	
1700 - 1800	3.429E+01	1.607E+01	7.454E-01	6.853E-01		9.525E-03	4.463E-03	2.071E-04	1.904E-04	
1800 - 1900	1.455E+01	6.893E+00	3.451E-01	3.173E-01		4.042E-03	1.915E-03	9.587E-05	8.813E-05	
1900 - 2000	3.853E+00	1.856E+00	8.777E-02	8.070E-02		1.070E-03	5.155E-04	2.438E-05	2.242E-05	
2000 - 2100	8.115E+00	3.951E+00	2.269E-01	2.086E-01		2.254E-03	1.098E-03	6.304E-05	5.795E-05	
2100 - 2200	4.215E+00	2.054E+00	1.059E-01	9.736E-02		1.171E-03	5.706E-04	2.942E-05	2.704E-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	0.000E+00	0.000E+00	0.000E+00	0.000E+00		0.000E+00	0.000E+00	0.000E+00	0.000E+00	







**Container Port Road South (ID: 248)**

**Total Hourly Emission**

Hour	Emission Within Parking Site									
	Total Emission (g) (Running + Idling + Starting)					Total Emission Rate (g/s)				
	NO	NO <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	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	2.048E+00	9.746E-01	2.808E-02	2.580E-02		5.689E-04	2.707E-04	7.800E-06	7.167E-06	
0700 - 0800	2.931E+00	1.406E+00	3.891E-02	3.576E-02		8.140E-04	3.906E-04	1.081E-05	9.932E-06	
0800 - 0900	4.555E+00	2.185E+00	6.699E-02	6.156E-02		1.265E-03	6.068E-04	1.861E-05	1.710E-05	
0900 - 1000	2.648E+00	1.295E+00	3.248E-02	2.986E-02		7.356E-04	3.596E-04	9.022E-06	8.294E-06	
1000 - 1100	6.871E-01	3.342E-01	2.165E-02	1.991E-02		1.909E-04	9.284E-05	6.015E-06	5.529E-06	
1100 - 1200	1.624E+00	7.784E-01	2.808E-02	2.580E-02		4.512E-04	2.162E-04	7.800E-06	7.167E-06	
1200 - 1300	1.543E+00	7.373E-01	3.891E-02	3.576E-02		4.287E-04	2.048E-04	1.081E-05	9.932E-06	
1300 - 1400	1.310E+00	6.383E-01	3.248E-02	2.986E-02		3.638E-04	1.773E-04	9.022E-06	8.294E-06	
1400 - 1500	2.936E+00	1.431E+00	7.578E-02	6.967E-02		8.156E-04	3.974E-04	2.105E-05	1.935E-05	
1500 - 1600	2.454E+00	1.182E+00	7.139E-02	6.561E-02		6.817E-04	3.284E-04	1.983E-05	1.823E-05	
1600 - 1700	2.379E+00	1.158E+00	6.496E-02	5.972E-02		6.607E-04	3.218E-04	1.804E-05	1.659E-05	
1700 - 1800	2.363E+00	1.151E+00	6.496E-02	5.972E-02		6.565E-04	3.197E-04	1.804E-05	1.659E-05	
1800 - 1900	2.983E+00	1.438E+00	8.221E-02	7.557E-02		8.285E-04	3.994E-04	2.284E-05	2.099E-05	
1900 - 2000	1.149E+00	5.595E-01	3.248E-02	2.986E-02		3.192E-04	1.554E-04	9.022E-06	8.294E-06	
2000 - 2100	7.712E-01	3.755E-01	2.165E-02	1.991E-02		2.142E-04	1.043E-04	6.015E-06	5.529E-06	
2100 - 2200	4.659E-01	2.271E-01	1.083E-02	9.953E-03		1.294E-04	6.309E-05	3.007E-06	2.765E-06	
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	















**Tsuen Tsing Interchange (ID: 7)**

**Total Hourly Emission**

Hour	Emission Within Parking Site									
	Total Emission (g) (Running + Idling + Starting)					Total Emission Rate (g/s)				
	NO	NO <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	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	1.341E+01	6.561E+00	1.818E-01	1.672E-01		3.725E-03	1.822E-03	5.050E-05	4.645E-05	
0700 - 0800	1.455E+01	7.120E+00	1.958E-01	1.801E-01		4.042E-03	1.978E-03	5.439E-05	5.003E-05	
0800 - 0900	2.256E+01	1.028E+01	5.263E-01	4.841E-01		6.266E-03	2.854E-03	1.462E-04	1.345E-04	
0900 - 1000	1.008E+01	4.959E+00	2.102E-01	1.934E-01		2.801E-03	1.377E-03	5.840E-05	5.373E-05	
1000 - 1100	8.897E-01	4.328E-01	2.804E-02	2.578E-02		2.471E-04	1.202E-04	7.788E-06	7.160E-06	
1100 - 1200	2.103E+00	1.008E+00	3.636E-02	3.341E-02		5.842E-04	2.800E-04	1.010E-05	9.281E-06	
1200 - 1300	1.999E+00	9.548E-01	5.038E-02	4.630E-02		5.551E-04	2.652E-04	1.399E-05	1.286E-05	
1300 - 1400	1.696E+00	8.265E-01	4.206E-02	3.866E-02		4.711E-04	2.296E-04	1.168E-05	1.074E-05	
1400 - 1500	3.802E+00	1.852E+00	9.813E-02	9.021E-02		1.056E-03	5.145E-04	2.726E-05	2.506E-05	
1500 - 1600	3.178E+00	1.531E+00	9.244E-02	8.496E-02		8.827E-04	4.252E-04	2.568E-05	2.360E-05	
1600 - 1700	3.080E+00	1.500E+00	8.411E-02	7.733E-02		8.555E-04	4.166E-04	2.336E-05	2.148E-05	
1700 - 1800	2.457E+00	1.196E+00	7.009E-02	6.444E-02		6.825E-04	3.322E-04	1.947E-05	1.790E-05	
1800 - 1900	8.302E+00	4.008E+00	2.612E-01	2.403E-01		2.306E-03	1.113E-03	7.255E-05	6.674E-05	
1900 - 2000	5.805E+00	2.812E+00	1.968E-01	1.811E-01		1.613E-03	7.810E-04	5.466E-05	5.030E-05	
2000 - 2100	9.986E-01	4.862E-01	2.804E-02	2.578E-02		2.774E-04	1.351E-04	7.788E-06	7.160E-06	
2100 - 2200	6.033E-01	2.941E-01	1.402E-02	1.289E-02		1.676E-04	8.169E-05	3.894E-06	3.580E-06	
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	











**Kerry Cargo Centre (ID: 66)**

**Total Hourly Emission**

Hour	Emission Within Parking Site									
	Total Emission (g) (Running + Idling + Starting)					Total Emission Rate (g/s)				
	NO	NO <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	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	1.679E+00	8.156E-01	5.733E-02	5.285E-02		4.665E-04	2.266E-04	1.592E-05	1.468E-05	
0700 - 0800	1.686E+01	7.978E+00	4.614E-01	4.243E-01		4.683E-03	2.216E-03	1.282E-04	1.179E-04	
0800 - 0900	3.776E+01	1.790E+01	9.790E-01	9.003E-01		1.049E-02	4.973E-03	2.720E-04	2.501E-04	
0900 - 1000	8.241E+01	3.900E+01	2.054E+00	1.889E+00		2.289E-02	1.083E-02	5.706E-04	5.247E-04	
1000 - 1100	1.324E+02	6.258E+01	3.269E+00	3.006E+00		3.678E-02	1.738E-02	9.080E-04	8.349E-04	
1100 - 1200	1.605E+02	7.589E+01	3.885E+00	3.573E+00		4.458E-02	2.108E-02	1.079E-03	9.925E-04	
1200 - 1300	1.818E+02	8.598E+01	4.291E+00	3.946E+00		5.051E-02	2.388E-02	1.192E-03	1.096E-03	
1300 - 1400	1.357E+02	6.424E+01	3.279E+00	3.015E+00		3.769E-02	1.785E-02	9.107E-04	8.375E-04	
1400 - 1500	1.975E+02	9.335E+01	4.852E+00	4.462E+00		5.485E-02	2.593E-02	1.348E-03	1.240E-03	
1500 - 1600	1.670E+02	7.904E+01	3.347E+00	3.630E+00		4.638E-02	2.196E-02	1.095E-03	1.008E-03	
1600 - 1700	2.129E+02	1.007E+02	4.909E+00	4.514E+00		5.915E-02	2.799E-02	1.384E-03	1.254E-03	
1700 - 1800	1.407E+02	6.663E+01	3.277E+00	3.014E+00		3.908E-02	1.851E-02	9.104E-04	8.372E-04	
1800 - 1900	1.725E+02	8.165E+01	3.847E+00	3.538E+00		4.791E-02	2.268E-02	1.069E-03	9.826E-04	
1900 - 2000	8.888E+01	4.217E+01	1.906E+00	1.753E+00		2.469E-02	1.172E-02	5.295E-04	4.870E-04	
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	5.589E+00	2.661E+00	1.553E-01	1.428E-01		1.552E-03	7.390E-04	4.313E-05	3.967E-05	











**Lai Shun Road (Minibus, ID4)**

**Total Hourly Emission**

Hour	Emission Within PTI									
	Total Emission (g) (Running + Idling + All Starting)					Total Emission Rate (g/s)				
	NO	NO <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	RSP	FSP	TSP
0000 - 0100	1.115E+00	1.904E-01	3.271E-02	3.045E-02		3.096E-04	5.288E-05	9.085E-06	8.459E-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	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	5.564E+00	9.967E-01	4.683E-02	4.370E-02		1.546E-03	2.769E-04	1.301E-05	1.214E-05	
0700 - 0800	1.454E+00	2.483E-01	4.266E-02	3.972E-02		4.038E-04	6.897E-05	1.185E-05	1.103E-05	
0800 - 0900	1.454E+00	2.483E-01	4.266E-02	3.972E-02		4.038E-04	6.897E-05	1.185E-05	1.103E-05	
0900 - 1000	1.454E+00	2.483E-01	4.266E-02	3.972E-02		4.038E-04	6.897E-05	1.185E-05	1.103E-05	
1000 - 1100	1.454E+00	2.483E-01	4.266E-02	3.972E-02		4.038E-04	6.897E-05	1.185E-05	1.103E-05	
1100 - 1200	1.454E+00	2.483E-01	4.266E-02	3.972E-02		4.038E-04	6.897E-05	1.185E-05	1.103E-05	
1200 - 1300	1.454E+00	2.483E-01	4.266E-02	3.972E-02		4.038E-04	6.897E-05	1.185E-05	1.103E-05	
1300 - 1400	1.454E+00	2.483E-01	4.266E-02	3.972E-02		4.038E-04	6.897E-05	1.185E-05	1.103E-05	
1400 - 1500	1.454E+00	2.483E-01	4.266E-02	3.972E-02		4.038E-04	6.897E-05	1.185E-05	1.103E-05	
1500 - 1600	1.454E+00	2.483E-01	4.266E-02	3.972E-02		4.038E-04	6.897E-05	1.185E-05	1.103E-05	
1600 - 1700	1.454E+00	2.483E-01	4.266E-02	3.972E-02		4.038E-04	6.897E-05	1.185E-05	1.103E-05	
1700 - 1800	1.454E+00	2.483E-01	4.266E-02	3.972E-02		4.038E-04	6.897E-05	1.185E-05	1.103E-05	
1800 - 1900	1.454E+00	2.483E-01	4.266E-02	3.972E-02		4.038E-04	6.897E-05	1.185E-05	1.103E-05	
1900 - 2000	1.454E+00	2.483E-01	4.266E-02	3.972E-02		4.038E-04	6.897E-05	1.185E-05	1.103E-05	
2000 - 2100	1.454E+00	2.483E-01	4.266E-02	3.972E-02		4.038E-04	6.897E-05	1.185E-05	1.103E-05	
2100 - 2200	1.454E+00	2.483E-01	4.266E-02	3.972E-02		4.038E-04	6.897E-05	1.185E-05	1.103E-05	
2200 - 2300	1.454E+00	2.483E-01	4.266E-02	3.972E-02		4.038E-04	6.897E-05	1.185E-05	1.103E-05	
2300 - 2400	1.454E+00	2.483E-01	4.266E-02	3.972E-02		4.038E-04	6.897E-05	1.185E-05	1.103E-05	













**Tso Kung Sreet (Minibus, ID5)**

**Total Hourly Emission**

Hour	Emission Within PTI									
	Total Emission (g) (Running + Idling + All Starting)					Total Emission Rate (g/s)				
	NO	NO <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	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	8.952E+00	1.773E+00	1.256E-02	1.186E-02		2.487E-03	4.924E-04	3.488E-06	3.293E-06	
0600 - 0700	8.627E-01	1.396E-01	2.158E-02	2.018E-02		2.396E-04	3.879E-05	5.994E-06	5.605E-06	
0700 - 0800	8.627E-01	1.396E-01	2.158E-02	2.018E-02		2.396E-04	3.879E-05	5.994E-06	5.605E-06	
0800 - 0900	8.627E-01	1.396E-01	2.158E-02	2.018E-02		2.396E-04	3.879E-05	5.994E-06	5.605E-06	
0900 - 1000	8.627E-01	1.396E-01	2.158E-02	2.018E-02		2.396E-04	3.879E-05	5.994E-06	5.605E-06	
1000 - 1100	8.627E-01	1.396E-01	2.158E-02	2.018E-02		2.396E-04	3.879E-05	5.994E-06	5.605E-06	
1100 - 1200	8.627E-01	1.396E-01	2.158E-02	2.018E-02		2.396E-04	3.879E-05	5.994E-06	5.605E-06	
1200 - 1300	8.627E-01	1.396E-01	2.158E-02	2.018E-02		2.396E-04	3.879E-05	5.994E-06	5.605E-06	
1300 - 1400	8.627E-01	1.396E-01	2.158E-02	2.018E-02		2.396E-04	3.879E-05	5.994E-06	5.605E-06	
1400 - 1500	8.627E-01	1.396E-01	2.158E-02	2.018E-02		2.396E-04	3.879E-05	5.994E-06	5.605E-06	
1500 - 1600	8.627E-01	1.396E-01	2.158E-02	2.018E-02		2.396E-04	3.879E-05	5.994E-06	5.605E-06	
1600 - 1700	8.627E-01	1.396E-01	2.158E-02	2.018E-02		2.396E-04	3.879E-05	5.994E-06	5.605E-06	
1700 - 1800	8.627E-01	1.396E-01	2.158E-02	2.018E-02		2.396E-04	3.879E-05	5.994E-06	5.605E-06	
1800 - 1900	8.627E-01	1.396E-01	2.158E-02	2.018E-02		2.396E-04	3.879E-05	5.994E-06	5.605E-06	
1900 - 2000	8.627E-01	1.396E-01	2.158E-02	2.018E-02		2.396E-04	3.879E-05	5.994E-06	5.605E-06	
2000 - 2100	8.627E-01	1.396E-01	2.158E-02	2.018E-02		2.396E-04	3.879E-05	5.994E-06	5.605E-06	
2100 - 2200	8.627E-01	1.396E-01	2.158E-02	2.018E-02		2.396E-04	3.879E-05	5.994E-06	5.605E-06	
2200 - 2300	8.627E-01	1.396E-01	2.158E-02	2.018E-02		2.396E-04	3.879E-05	5.994E-06	5.605E-06	
2300 - 2400	1.725E-01	2.793E-02	4.315E-03	4.035E-03		4.793E-05	7.757E-06	1.199E-06	1.121E-06	













**Hoi Shing Road (Minibus, ID6)**

**Total Hourly Emission**

Hour	Emission Within PTI									
	Total Emission (g) (Running + Idling + All Starting)					Total Emission Rate (g/s)				
	NO	NO <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	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	2.487E+00	5.099E-01	7.172E-03	6.731E-03		6.907E-04	1.416E-04	1.992E-06	1.870E-06	
0700 - 0800	3.504E-01	5.715E-02	8.974E-03	8.386E-03		9.733E-05	1.587E-05	2.493E-06	2.329E-06	
0800 - 0900	3.504E-01	5.715E-02	8.974E-03	8.386E-03		9.733E-05	1.587E-05	2.493E-06	2.329E-06	
0900 - 1000	3.504E-01	5.715E-02	8.974E-03	8.386E-03		9.733E-05	1.587E-05	2.493E-06	2.329E-06	
1000 - 1100	3.504E-01	5.715E-02	8.974E-03	8.386E-03		9.733E-05	1.587E-05	2.493E-06	2.329E-06	
1100 - 1200	3.504E-01	5.715E-02	8.974E-03	8.386E-03		9.733E-05	1.587E-05	2.493E-06	2.329E-06	
1200 - 1300	3.504E-01	5.715E-02	8.974E-03	8.386E-03		9.733E-05	1.587E-05	2.493E-06	2.329E-06	
1300 - 1400	3.504E-01	5.715E-02	8.974E-03	8.386E-03		9.733E-05	1.587E-05	2.493E-06	2.329E-06	
1400 - 1500	3.504E-01	5.715E-02	8.974E-03	8.386E-03		9.733E-05	1.587E-05	2.493E-06	2.329E-06	
1500 - 1600	3.504E-01	5.715E-02	8.974E-03	8.386E-03		9.733E-05	1.587E-05	2.493E-06	2.329E-06	
1600 - 1700	3.504E-01	5.715E-02	8.974E-03	8.386E-03		9.733E-05	1.587E-05	2.493E-06	2.329E-06	
1700 - 1800	3.504E-01	5.715E-02	8.974E-03	8.386E-03		9.733E-05	1.587E-05	2.493E-06	2.329E-06	
1800 - 1900	3.504E-01	5.715E-02	8.974E-03	8.386E-03		9.733E-05	1.587E-05	2.493E-06	2.329E-06	
1900 - 2000	3.504E-01	5.715E-02	8.974E-03	8.386E-03		9.733E-05	1.587E-05	2.493E-06	2.329E-06	
2000 - 2100	3.504E-01	5.715E-02	8.974E-03	8.386E-03		9.733E-05	1.587E-05	2.493E-06	2.329E-06	
2100 - 2200	3.504E-01	5.715E-02	8.974E-03	8.386E-03		9.733E-05	1.587E-05	2.493E-06	2.329E-06	
2200 - 2300	3.504E-01	5.715E-02	8.974E-03	8.386E-03		9.733E-05	1.587E-05	2.493E-06	2.329E-06	
2300 - 2400	8.760E-02	1.429E-02	2.244E-03	2.097E-03		2.433E-05	3.969E-06	6.232E-07	5.824E-07	

**Shek Tau Street (Minibus, ID11)**

**Starting Emission**

No. of PLB (Diesel) to No. of PLB (LPG) Ratio <sup>[1]</sup> =	6.5
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		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 <sub>2</sub>	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																		

		No. of Cold Starts of Public Light Bus (Diesel)																	
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	0
0100 - 0200	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
0300 - 0400	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
0500 - 0600	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	3	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
0800 - 0900	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
1000 - 1100	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
1200 - 1300	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
1400 - 1500	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
1600 - 1700	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
1800 - 1900	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
2000 - 2100	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
2200 - 2300	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

Total Starting Emission of PLB (Diesel) (g)				
NO	NO <sub>2</sub>	RSP	FSP	TSP
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
5	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	
0	0	0	0	
0	0	0	0	
0	0	0	0	
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.











**Shek Tau Street (Minibus, ID11)**

**Total Hourly Emission**

Hour	Emission Within PTI									
	Total Emission (g) (Running + Idling + All Starting)					Total Emission Rate (g/s)				
	NO	NO <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	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	9.755E+00	1.993E+00	1.633E-02	1.558E-02		2.710E-03	5.536E-04	4.537E-06	4.327E-06	
0700 - 0800	1.146E+00	1.664E-01	1.942E-02	1.841E-02		3.183E-04	4.623E-05	5.395E-06	5.115E-06	
0800 - 0900	1.146E+00	1.664E-01	1.942E-02	1.841E-02		3.183E-04	4.623E-05	5.395E-06	5.115E-06	
0900 - 1000	1.146E+00	1.664E-01	1.942E-02	1.841E-02		3.183E-04	4.623E-05	5.395E-06	5.115E-06	
1000 - 1100	1.146E+00	1.664E-01	1.942E-02	1.841E-02		3.183E-04	4.623E-05	5.395E-06	5.115E-06	
1100 - 1200	1.146E+00	1.664E-01	1.942E-02	1.841E-02		3.183E-04	4.623E-05	5.395E-06	5.115E-06	
1200 - 1300	1.146E+00	1.664E-01	1.942E-02	1.841E-02		3.183E-04	4.623E-05	5.395E-06	5.115E-06	
1300 - 1400	1.146E+00	1.664E-01	1.942E-02	1.841E-02		3.183E-04	4.623E-05	5.395E-06	5.115E-06	
1400 - 1500	1.146E+00	1.664E-01	1.942E-02	1.841E-02		3.183E-04	4.623E-05	5.395E-06	5.115E-06	
1500 - 1600	1.146E+00	1.664E-01	1.942E-02	1.841E-02		3.183E-04	4.623E-05	5.395E-06	5.115E-06	
1600 - 1700	1.146E+00	1.664E-01	1.942E-02	1.841E-02		3.183E-04	4.623E-05	5.395E-06	5.115E-06	
1700 - 1800	1.146E+00	1.664E-01	1.942E-02	1.841E-02		3.183E-04	4.623E-05	5.395E-06	5.115E-06	
1800 - 1900	1.146E+00	1.664E-01	1.942E-02	1.841E-02		3.183E-04	4.623E-05	5.395E-06	5.115E-06	
1900 - 2000	1.146E+00	1.664E-01	1.942E-02	1.841E-02		3.183E-04	4.623E-05	5.395E-06	5.115E-06	
2000 - 2100	1.146E+00	1.664E-01	1.942E-02	1.841E-02		3.183E-04	4.623E-05	5.395E-06	5.115E-06	
2100 - 2200	1.146E+00	1.664E-01	1.942E-02	1.841E-02		3.183E-04	4.623E-05	5.395E-06	5.115E-06	
2200 - 2300	1.146E+00	1.664E-01	1.942E-02	1.841E-02		3.183E-04	4.623E-05	5.395E-06	5.115E-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	











**Kwai Foo Road (Minibus, ID13)**

**Total Hourly Emission**

Hour	Emission Within PTI									
	Total Emission (g) (Running + Idling + All Starting)					Total Emission Rate (g/s)				
	NO	NO <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	RSP	FSP	TSP
0000 - 0100	7.162E-01	1.040E-01	1.214E-02	1.151E-02		1.989E-04	2.889E-05	3.372E-06	3.197E-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	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	8.694E+00	1.463E+00	2.119E-02	2.018E-02		2.415E-03	4.064E-04	5.886E-06	5.606E-06	
0600 - 0700	1.719E+00	2.496E-01	2.913E-02	2.762E-02		4.774E-04	6.934E-05	8.093E-06	7.673E-06	
0700 - 0800	1.719E+00	2.496E-01	2.913E-02	2.762E-02		4.774E-04	6.934E-05	8.093E-06	7.673E-06	
0800 - 0900	1.719E+00	2.496E-01	2.913E-02	2.762E-02		4.774E-04	6.934E-05	8.093E-06	7.673E-06	
0900 - 1000	1.719E+00	2.496E-01	2.913E-02	2.762E-02		4.774E-04	6.934E-05	8.093E-06	7.673E-06	
1000 - 1100	1.719E+00	2.496E-01	2.913E-02	2.762E-02		4.774E-04	6.934E-05	8.093E-06	7.673E-06	
1100 - 1200	1.719E+00	2.496E-01	2.913E-02	2.762E-02		4.774E-04	6.934E-05	8.093E-06	7.673E-06	
1200 - 1300	1.719E+00	2.496E-01	2.913E-02	2.762E-02		4.774E-04	6.934E-05	8.093E-06	7.673E-06	
1300 - 1400	1.719E+00	2.496E-01	2.913E-02	2.762E-02		4.774E-04	6.934E-05	8.093E-06	7.673E-06	
1400 - 1500	1.719E+00	2.496E-01	2.913E-02	2.762E-02		4.774E-04	6.934E-05	8.093E-06	7.673E-06	
1500 - 1600	1.719E+00	2.496E-01	2.913E-02	2.762E-02		4.774E-04	6.934E-05	8.093E-06	7.673E-06	
1600 - 1700	1.719E+00	2.496E-01	2.913E-02	2.762E-02		4.774E-04	6.934E-05	8.093E-06	7.673E-06	
1700 - 1800	1.719E+00	2.496E-01	2.913E-02	2.762E-02		4.774E-04	6.934E-05	8.093E-06	7.673E-06	
1800 - 1900	1.719E+00	2.496E-01	2.913E-02	2.762E-02		4.774E-04	6.934E-05	8.093E-06	7.673E-06	
1900 - 2000	1.719E+00	2.496E-01	2.913E-02	2.762E-02		4.774E-04	6.934E-05	8.093E-06	7.673E-06	
2000 - 2100	1.719E+00	2.496E-01	2.913E-02	2.762E-02		4.774E-04	6.934E-05	8.093E-06	7.673E-06	
2100 - 2200	1.719E+00	2.496E-01	2.913E-02	2.762E-02		4.774E-04	6.934E-05	8.093E-06	7.673E-06	
2200 - 2300	1.719E+00	2.496E-01	2.913E-02	2.762E-02		4.774E-04	6.934E-05	8.093E-06	7.673E-06	
2300 - 2400	1.719E+00	2.496E-01	2.913E-02	2.762E-02		4.774E-04	6.934E-05	8.093E-06	7.673E-06	







**Kwai Yan Road (Minibus, ID14)**

**Starting Emission**

No. of PLB (Diesel) to No. of PLB (LPG) Ratio <sup>[1]</sup> =	6.5
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	Starting Emission Factor (g/trip)																	
NO	1.850E+00	2.788E+00	4.434E+00	5.775E+00	6.812E+00	7.544E+00	7.971E+00	8.197E+00	8.167E+00	8.121E+00	8.059E+00	7.981E+00	7.887E+00	7.778E+00	7.652E+00	7.511E+00	7.353E+00	7.180E+00
NO <sub>2</sub>	9.300E-03	1.400E-02	2.230E-02	2.900E-02	3.420E-02	3.790E-02	4.010E-02	4.120E-02	4.100E-02	4.080E-02	4.050E-02	4.010E-02	3.960E-02	3.910E-02	3.850E-02	3.770E-02	3.700E-02	3.610E-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	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	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 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	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	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	0	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	1	0	0	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	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600 - 1700	1	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	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000 - 2100	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100 - 2200	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200 - 2300	1	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 of PLB (LPG) (g)				
NO	NO <sub>2</sub>	RSP	FSP	TSP
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
21	0	0	0	
2	0	0	0	
2	0	0	0	
2	0	0	0	
2	0	0	0	
2	0	0	0	
2	0	0	0	
2	0	0	0	
2	0	0	0	
2	0	0	0	
2	0	0	0	
2	0	0	0	
2	0	0	0	
2	0	0	0	
2	0	0	0	
2	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.





**Kwai Yan Road (Minibus, ID14)**

**Total Hourly Emission**

Hour	Emission Within PTI									
	Total Emission (g) (Running + Idling + All Starting)					Total Emission Rate (g/s)				
	NO	NO <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	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	4.633E+01	9.586E+00	7.038E-02	6.666E-02		1.287E-02	2.663E-03	1.955E-05	1.852E-05	
0900 - 1000	3.711E+00	3.075E-01	2.514E-02	2.381E-02		1.031E-03	8.541E-05	6.982E-06	6.613E-06	
1000 - 1100	3.711E+00	3.075E-01	2.514E-02	2.381E-02		1.031E-03	8.541E-05	6.982E-06	6.613E-06	
1100 - 1200	3.711E+00	3.075E-01	2.514E-02	2.381E-02		1.031E-03	8.541E-05	6.982E-06	6.613E-06	
1200 - 1300	3.711E+00	3.075E-01	2.514E-02	2.381E-02		1.031E-03	8.541E-05	6.982E-06	6.613E-06	
1300 - 1400	3.711E+00	3.075E-01	2.514E-02	2.381E-02		1.031E-03	8.541E-05	6.982E-06	6.613E-06	
1400 - 1500	3.711E+00	3.075E-01	2.514E-02	2.381E-02		1.031E-03	8.541E-05	6.982E-06	6.613E-06	
1500 - 1600	3.711E+00	3.075E-01	2.514E-02	2.381E-02		1.031E-03	8.541E-05	6.982E-06	6.613E-06	
1600 - 1700	3.711E+00	3.075E-01	2.514E-02	2.381E-02		1.031E-03	8.541E-05	6.982E-06	6.613E-06	
1700 - 1800	3.711E+00	3.075E-01	2.514E-02	2.381E-02		1.031E-03	8.541E-05	6.982E-06	6.613E-06	
1800 - 1900	3.711E+00	3.075E-01	2.514E-02	2.381E-02		1.031E-03	8.541E-05	6.982E-06	6.613E-06	
1900 - 2000	3.711E+00	3.075E-01	2.514E-02	2.381E-02		1.031E-03	8.541E-05	6.982E-06	6.613E-06	
2000 - 2100	3.711E+00	3.075E-01	2.514E-02	2.381E-02		1.031E-03	8.541E-05	6.982E-06	6.613E-06	
2100 - 2200	3.711E+00	3.075E-01	2.514E-02	2.381E-02		1.031E-03	8.541E-05	6.982E-06	6.613E-06	
2200 - 2300	3.711E+00	3.075E-01	2.514E-02	2.381E-02		1.031E-03	8.541E-05	6.982E-06	6.613E-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	

**Kwai Tsui Estate (Minibus, ID15)**

**Starting Emission**

No. of PLB (Diesel) to No. of PLB (LPG) Ratio <sup>[1]</sup> = 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 <sub>2</sub>	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	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	

		No. of Cold Starts of Public Light Bus (Diesel)																	
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	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 of PLB (Diesel) (g)					
NO	NO <sub>2</sub>	RSP	FSP	TSP	
0	0	0	0		
0	0	0	0		
0	0	0	0		
0	0	0	0		
0	0	0	0		
0	0	0	0		
0	0	0	0		
0	0	0	0		
0	0	0	0		
0	0	0	0		
0	0	0	0		
0	0	0	0		
0	0	0	0		
0	0	0	0		
0	0	0	0		
0	0	0	0		
0	0	0	0		
0	0	0	0		
0	0	0	0		
0	0	0	0		
0	0	0	0		
0	0	0	0		
0	0	0	0		
0	0	0	0		
0	0	0	0		
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.











**Kwai Tsui Estate (Minibus, ID15)**

**Total Hourly Emission**

Hour	Emission Within PTI									
	Total Emission (g) (Running + Idling + All Starting)					Total Emission Rate (g/s)				
	NO	NO <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	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
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
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
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
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
0500 - 0600	4.713E-01	7.953E-02	1.336E-02	1.245E-02	1.309E-04	2.209E-05	3.712E-06	3.459E-06		
0600 - 0700	3.450E+00	6.484E-01	3.786E-02	3.531E-02	9.583E-04	1.801E-04	1.052E-05	9.808E-06		
0700 - 0800	1.225E+00	2.068E-01	3.474E-02	3.238E-02	3.404E-04	5.744E-05	9.651E-06	8.994E-06		
0800 - 0900	1.320E+00	2.227E-01	3.742E-02	3.487E-02	3.666E-04	6.186E-05	1.039E-05	9.685E-06		
0900 - 1000	6.598E-01	1.113E-01	1.871E-02	1.743E-02	1.833E-04	3.093E-05	5.197E-06	4.843E-06		
1000 - 1100	6.598E-01	1.113E-01	1.871E-02	1.743E-02	1.833E-04	3.093E-05	5.197E-06	4.843E-06		
1100 - 1200	4.713E-01	7.953E-02	1.336E-02	1.245E-02	1.309E-04	2.209E-05	3.712E-06	3.459E-06		
1200 - 1300	6.598E-01	1.113E-01	1.871E-02	1.743E-02	1.833E-04	3.093E-05	5.197E-06	4.843E-06		
1300 - 1400	3.770E-01	6.363E-02	1.069E-02	9.962E-03	1.047E-04	1.767E-05	2.969E-06	2.767E-06		
1400 - 1500	6.598E-01	1.113E-01	1.871E-02	1.743E-02	1.833E-04	3.093E-05	5.197E-06	4.843E-06		
1500 - 1600	4.713E-01	7.953E-02	1.336E-02	1.245E-02	1.309E-04	2.209E-05	3.712E-06	3.459E-06		
1600 - 1700	1.037E+00	1.750E-01	2.940E-02	2.740E-02	2.880E-04	4.860E-05	8.166E-06	7.610E-06		
1700 - 1800	1.037E+00	1.750E-01	2.940E-02	2.740E-02	2.880E-04	4.860E-05	8.166E-06	7.610E-06		
1800 - 1900	1.037E+00	1.750E-01	2.940E-02	2.740E-02	2.880E-04	4.860E-05	8.166E-06	7.610E-06		
1900 - 2000	8.483E-01	1.432E-01	2.405E-02	2.241E-02	2.356E-04	3.977E-05	6.681E-06	6.226E-06		
2000 - 2100	6.598E-01	1.113E-01	1.871E-02	1.743E-02	1.833E-04	3.093E-05	5.197E-06	4.843E-06		
2100 - 2200	6.598E-01	1.113E-01	1.871E-02	1.743E-02	1.833E-04	3.093E-05	5.197E-06	4.843E-06		
2200 - 2300	2.828E-01	4.772E-02	8.018E-03	7.472E-03	7.855E-05	1.326E-05	2.227E-06	2.075E-06		
2300 - 2400	1.885E-01	3.181E-02	5.345E-03	4.981E-03	5.236E-05	8.837E-06	1.485E-06	1.384E-06		

**Hing Ning Road (Minibus, ID16)**

**Starting Emission**

No. of PLB (Diesel) to No. of PLB (LPG) Ratio <sup>[1]</sup> =	6.5
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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 <sub>2</sub>	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	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	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 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
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	7	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 of PLB (Diesel) (g)				
NO	NO <sub>2</sub>	RSP	FSP	TSP
0	0	0	0	
0	0	0	0	
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	

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.











**Hing Ning Road (Minibus, ID16)**

**Total Hourly Emission**

Hour	Emission Within PTI									
	Total Emission (g) (Running + Idling + All Starting)					Total Emission Rate (g/s)				
	NO	NO <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	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	1.805E+01	3.243E+00	5.194E-02	4.900E-02		5.013E-03	9.008E-04	1.443E-05	1.361E-05	
0700 - 0800	1.990E+00	3.086E-01	4.322E-02	4.059E-02		5.528E-04	8.573E-05	1.200E-05	1.128E-05	
0800 - 0900	1.990E+00	3.086E-01	4.322E-02	4.059E-02		5.528E-04	8.573E-05	1.200E-05	1.128E-05	
0900 - 1000	1.990E+00	3.086E-01	4.322E-02	4.059E-02		5.528E-04	8.573E-05	1.200E-05	1.128E-05	
1000 - 1100	1.990E+00	3.086E-01	4.322E-02	4.059E-02		5.528E-04	8.573E-05	1.200E-05	1.128E-05	
1100 - 1200	1.990E+00	3.086E-01	4.322E-02	4.059E-02		5.528E-04	8.573E-05	1.200E-05	1.128E-05	
1200 - 1300	1.990E+00	3.086E-01	4.322E-02	4.059E-02		5.528E-04	8.573E-05	1.200E-05	1.128E-05	
1300 - 1400	1.990E+00	3.086E-01	4.322E-02	4.059E-02		5.528E-04	8.573E-05	1.200E-05	1.128E-05	
1400 - 1500	1.990E+00	3.086E-01	4.322E-02	4.059E-02		5.528E-04	8.573E-05	1.200E-05	1.128E-05	
1500 - 1600	1.990E+00	3.086E-01	4.322E-02	4.059E-02		5.528E-04	8.573E-05	1.200E-05	1.128E-05	
1600 - 1700	1.990E+00	3.086E-01	4.322E-02	4.059E-02		5.528E-04	8.573E-05	1.200E-05	1.128E-05	
1700 - 1800	1.990E+00	3.086E-01	4.322E-02	4.059E-02		5.528E-04	8.573E-05	1.200E-05	1.128E-05	
1800 - 1900	1.990E+00	3.086E-01	4.322E-02	4.059E-02		5.528E-04	8.573E-05	1.200E-05	1.128E-05	
1900 - 2000	1.990E+00	3.086E-01	4.322E-02	4.059E-02		5.528E-04	8.573E-05	1.200E-05	1.128E-05	
2000 - 2100	1.990E+00	3.086E-01	4.322E-02	4.059E-02		5.528E-04	8.573E-05	1.200E-05	1.128E-05	
2100 - 2200	1.990E+00	3.086E-01	4.322E-02	4.059E-02		5.528E-04	8.573E-05	1.200E-05	1.128E-05	
2200 - 2300	1.990E+00	3.086E-01	4.322E-02	4.059E-02		5.528E-04	8.573E-05	1.200E-05	1.128E-05	
2300 - 2400	9.553E-01	1.481E-01	2.074E-02	1.948E-02		2.654E-04	4.115E-05	5.762E-06	5.412E-06	











**Kwai Yan Road (Minibus, ID20)**

**Total Hourly Emission**

Hour	Emission Within PTI									
	Total Emission (g) (Running + Idling + All Starting)					Total Emission Rate (g/s)				
	NO	NO <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	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	1.190E+01	2.321E+00	2.850E-02	2.693E-02		3.306E-03	6.447E-04	7.915E-06	7.480E-06	
0700 - 0800	1.174E+00	1.803E-01	2.464E-02	2.317E-02		3.261E-04	5.009E-05	6.845E-06	6.437E-06	
0800 - 0900	1.174E+00	1.803E-01	2.464E-02	2.317E-02		3.261E-04	5.009E-05	6.845E-06	6.437E-06	
0900 - 1000	1.174E+00	1.803E-01	2.464E-02	2.317E-02		3.261E-04	5.009E-05	6.845E-06	6.437E-06	
1000 - 1100	1.174E+00	1.803E-01	2.464E-02	2.317E-02		3.261E-04	5.009E-05	6.845E-06	6.437E-06	
1100 - 1200	1.174E+00	1.803E-01	2.464E-02	2.317E-02		3.261E-04	5.009E-05	6.845E-06	6.437E-06	
1200 - 1300	1.174E+00	1.803E-01	2.464E-02	2.317E-02		3.261E-04	5.009E-05	6.845E-06	6.437E-06	
1300 - 1400	1.174E+00	1.803E-01	2.464E-02	2.317E-02		3.261E-04	5.009E-05	6.845E-06	6.437E-06	
1400 - 1500	1.174E+00	1.803E-01	2.464E-02	2.317E-02		3.261E-04	5.009E-05	6.845E-06	6.437E-06	
1500 - 1600	1.174E+00	1.803E-01	2.464E-02	2.317E-02		3.261E-04	5.009E-05	6.845E-06	6.437E-06	
1600 - 1700	1.174E+00	1.803E-01	2.464E-02	2.317E-02		3.261E-04	5.009E-05	6.845E-06	6.437E-06	
1700 - 1800	1.174E+00	1.803E-01	2.464E-02	2.317E-02		3.261E-04	5.009E-05	6.845E-06	6.437E-06	
1800 - 1900	1.174E+00	1.803E-01	2.464E-02	2.317E-02		3.261E-04	5.009E-05	6.845E-06	6.437E-06	
1900 - 2000	1.174E+00	1.803E-01	2.464E-02	2.317E-02		3.261E-04	5.009E-05	6.845E-06	6.437E-06	
2000 - 2100	1.174E+00	1.803E-01	2.464E-02	2.317E-02		3.261E-04	5.009E-05	6.845E-06	6.437E-06	
2100 - 2200	1.174E+00	1.803E-01	2.464E-02	2.317E-02		3.261E-04	5.009E-05	6.845E-06	6.437E-06	
2200 - 2300	1.174E+00	1.803E-01	2.464E-02	2.317E-02		3.261E-04	5.009E-05	6.845E-06	6.437E-06	
2300 - 2400	1.174E+00	1.803E-01	2.464E-02	2.317E-02		3.261E-04	5.009E-05	6.845E-06	6.437E-06	







**Kwai Fong South (Minibus, ID21)**

**Starting Emission**

No. of PLB (Diesel) to No. of PLB (LPG) Ratio <sup>[1]</sup> =	6.5
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Starting Emission Factor (g/trip)																		
NO	1.850E+00	2.788E+00	4.434E+00	5.775E+00	6.812E+00	7.544E+00	7.971E+00	8.197E+00	8.167E+00	8.121E+00	8.059E+00	7.981E+00	7.887E+00	7.778E+00	7.652E+00	7.511E+00	7.353E+00	7.180E+00
NO <sub>2</sub>	9.300E-03	1.400E-02	2.230E-02	2.900E-02	3.420E-02	3.790E-02	4.010E-02	4.120E-02	4.100E-02	4.080E-02	4.050E-02	4.010E-02	3.960E-02	3.910E-02	3.850E-02	3.770E-02	3.700E-02	3.610E-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	0
0100 - 0200	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
0300 - 0400	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
0500 - 0600	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	1	0	0	0	0	0
0700 - 0800	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0800 - 0900	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0900 - 1000	0	0	1	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
1100 - 1200	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
1300 - 1400	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
1500 - 1600	0	1	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
1700 - 1800	0	0	1	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
1900 - 2000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000 - 2100	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100 - 2200	0	1	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
2300 - 2400	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.

Total Starting Emission of PLB (LPG) (g)				
NO	NO <sub>2</sub>	RSP	FSP	TSP
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
9	0	0	0	
4	0	0	0	
2	0	0	0	
3	0	0	0	
1	0	0	0	
2	0	0	0	
3	0	0	0	
3	0	0	0	
3	0	0	0	
2	0	0	0	
2	0	0	0	
4	0	0	0	
4	0	0	0	
3	0	0	0	
0	0	0	0	
0	0	0	0	





**Kwai Fong South (Minibus, ID21)**

**Total Hourly Emission**

Hour	Emission Within PTI									
	Total Emission (g) (Running + Idling + All Starting)					Total Emission Rate (g/s)				
	NO	NO <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	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	1.814E+01	3.345E+00	2.859E-02	2.705E-02		5.040E-03	9.291E-04	7.943E-06	7.515E-06	
0700 - 0800	6.038E+00	4.575E-01	2.599E-02	2.459E-02		1.677E-03	1.271E-04	7.221E-06	6.832E-06	
0800 - 0900	3.020E+00	2.533E-01	1.560E-02	1.476E-02		8.388E-04	7.036E-05	4.332E-06	4.099E-06	
0900 - 1000	4.391E+00	3.199E-01	1.560E-02	1.476E-02		1.220E-03	8.885E-05	4.332E-06	4.099E-06	
1000 - 1100	1.544E+00	1.102E-01	5.199E-03	4.919E-03		4.290E-04	3.060E-05	1.444E-06	1.366E-06	
1100 - 1200	2.976E+00	2.301E-01	1.300E-02	1.230E-02		8.266E-04	6.392E-05	3.610E-06	3.416E-06	
1200 - 1300	3.376E+00	2.541E-01	1.300E-02	1.230E-02		9.377E-04	7.060E-05	3.610E-06	3.416E-06	
1300 - 1400	3.308E+00	2.371E-01	1.040E-02	9.838E-03		9.188E-04	6.586E-05	2.888E-06	2.733E-06	
1400 - 1500	3.894E+00	3.047E-01	1.560E-02	1.476E-02		1.082E-03	8.464E-05	4.332E-06	4.099E-06	
1500 - 1600	4.338E+00	3.519E-01	1.820E-02	1.722E-02		1.205E-03	9.774E-05	5.054E-06	4.782E-06	
1600 - 1700	2.063E+00	1.607E-01	7.798E-03	7.378E-03		5.731E-04	4.464E-05	2.166E-06	2.050E-06	
1700 - 1800	3.089E+00	2.203E-01	1.040E-02	9.838E-03		8.580E-04	6.121E-05	2.888E-06	2.733E-06	
1800 - 1900	3.249E+00	2.483E-01	7.798E-03	7.378E-03		9.025E-04	6.896E-05	2.166E-06	2.050E-06	
1900 - 2000	5.564E+00	6.099E-01	1.820E-02	1.722E-02		1.546E-03	1.694E-04	5.054E-06	4.782E-06	
2000 - 2100	5.170E+00	3.925E-01	2.339E-02	2.213E-02		1.436E-03	1.090E-04	6.499E-06	6.149E-06	
2100 - 2200	4.011E+00	3.251E-01	1.820E-02	1.722E-02		1.114E-03	9.032E-05	5.054E-06	4.782E-06	
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	

**Kwai Fong MTR (Minibus, ID17)**

**Starting Emission**

No. of PLB (Diesel) to No. of PLB (LPG) Ratio <sup>[1]</sup> =	6.5
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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 <sub>2</sub>	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	
0000 - 0100	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
0200 - 0300	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
0400 - 0500	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	10	0	0	0	0	0	0	0
0600 - 0700	2	1	0	1	3	2	1	0	0	0	2	0	0	0	0	0	0	0	0
0700 - 0800	14	5	2	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
0800 - 0900	9	8	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0900 - 1000	3	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000 - 1100	0	3	3	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100 - 1200	2	2	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200 - 1300	1	3	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300 - 1400	0	7	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400 - 1500	0	1	6	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500 - 1600	1	1	9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600 - 1700	2	2	9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700 - 1800	3	2	8	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800 - 1900	10	2	3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900 - 2000	11	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000 - 2100	3	1	5	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0
2100 - 2200	5	3	3	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0
2200 - 2300	0	1	6	3	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0
2300 - 2400	0	0	1	0	1	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.

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

Total Starting Emission of PLB (Diesel) (g)				
NO	NO <sub>2</sub>	RSP	FSP	TSP
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
12	5	0	0	
3	1	0	0	
2	1	0	0	
1	1	0	0	
1	0	0	0	
1	0	0	0	
1	0	0	0	
1	1	0	0	
1	0	0	0	
1	0	0	0	
1	0	0	0	
1	1	0	0	
2	1	0	0	
0	0	0	0	



**Kwai Fong MTR (Minibus, ID17)**

**Starting Emission**

No. of PLB (Diesel) to No. of PLB (LPG) Ratio <sup>[1]</sup> =	6.5
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	Starting Emission Factor (g/trip)																	
NO	1.850E+00	2.788E+00	4.434E+00	5.775E+00	6.812E+00	7.544E+00	7.971E+00	8.197E+00	8.167E+00	8.121E+00	8.059E+00	7.981E+00	7.887E+00	7.778E+00	7.652E+00	7.511E+00	7.353E+00	7.180E+00
NO <sub>2</sub>	9.300E-03	1.400E-02	2.230E-02	2.900E-02	3.420E-02	3.790E-02	4.010E-02	4.120E-02	4.100E-02	4.080E-02	4.050E-02	4.010E-02	3.960E-02	3.910E-02	3.850E-02	3.770E-02	3.700E-02	3.610E-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	1	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	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0800 - 0900	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0900 - 1000	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000 - 1100	0	1	1	0	0	0	0	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	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300 - 1400	0	1	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
1500 - 1600	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600 - 1700	0	0	1	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	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900 - 2000	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000 - 2100	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100 - 2200	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200 - 2300	0	0	1	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 2033 data of EMFAC-HK.

Total Starting Emission of PLB (LPG) (g)				
NO	NO <sub>2</sub>	RSP	FSP	TSP
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
12	0	0	0	
10	0	0	0	
12	0	0	0	
8	0	0	0	
6	0	0	0	
5	0	0	0	
5	0	0	0	
6	0	0	0	
7	0	0	0	
7	0	0	0	
7	0	0	0	
8	0	0	0	
8	0	0	0	
6	0	0	0	
6	0	0	0	
8	0	0	0	
7	0	0	0	
10	0	0	0	
2	0	0	0	







**Kwai Fong MTR (Minibus, ID17)**

**Total Hourly Emission**

Hour	Emission Within PTI									
	Total Emission (g) (Running + Idling + Starting)					Total Emission Rate (g/s)				
	NO	NO <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	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	2.504E+01	4.997E+00	7.106E-02	6.606E-02		6.955E-03	1.388E-03	1.974E-05	1.835E-05	
0600 - 0700	1.472E+01	1.734E+00	7.753E-02	7.207E-02		4.090E-03	4.817E-04	2.153E-05	2.002E-05	
0700 - 0800	1.837E+01	1.790E+00	1.874E-01	1.742E-01		5.104E-03	4.973E-04	5.204E-05	4.838E-05	
0800 - 0900	1.296E+01	1.266E+00	1.486E-01	1.381E-01		3.599E-03	3.517E-04	4.127E-05	3.837E-05	
0900 - 1000	8.595E+00	8.153E-01	9.045E-02	8.408E-02		2.387E-03	2.265E-04	2.512E-05	2.335E-05	
1000 - 1100	7.959E+00	7.009E-01	6.460E-02	6.005E-02		2.211E-03	1.947E-04	1.795E-05	1.668E-05	
1100 - 1200	7.869E+00	6.969E-01	7.106E-02	6.606E-02		2.186E-03	1.936E-04	1.974E-05	1.835E-05	
1200 - 1300	9.053E+00	8.028E-01	7.753E-02	7.207E-02		2.515E-03	2.230E-04	2.153E-05	2.002E-05	
1300 - 1400	1.036E+01	9.403E-01	9.045E-02	8.408E-02		2.879E-03	2.612E-04	2.512E-05	2.335E-05	
1400 - 1500	9.568E+00	8.059E-01	7.106E-02	6.606E-02		2.658E-03	2.239E-04	1.974E-05	1.835E-05	
1500 - 1600	1.039E+01	8.876E-01	8.399E-02	7.807E-02		2.887E-03	2.466E-04	2.333E-05	2.169E-05	
1600 - 1700	1.142E+01	9.923E-01	9.691E-02	9.008E-02		3.171E-03	2.756E-04	2.692E-05	2.502E-05	
1700 - 1800	1.102E+01	9.683E-01	9.691E-02	9.008E-02		3.060E-03	2.690E-04	2.692E-05	2.502E-05	
1800 - 1900	1.009E+01	9.745E-01	1.163E-01	1.081E-01		2.801E-03	2.707E-04	3.230E-05	3.003E-05	
1900 - 2000	9.515E+00	9.371E-01	1.163E-01	1.081E-01		2.643E-03	2.603E-04	3.230E-05	3.003E-05	
2000 - 2100	1.128E+01	1.004E+00	9.045E-02	8.408E-02		3.134E-03	2.790E-04	2.512E-05	2.335E-05	
2100 - 2200	1.034E+01	1.022E+00	9.691E-02	9.008E-02		2.872E-03	2.839E-04	2.692E-05	2.502E-05	
2200 - 2300	1.368E+01	1.209E+00	9.045E-02	8.408E-02		3.800E-03	3.358E-04	2.512E-05	2.335E-05	
2300 - 2400	3.429E+00	2.920E-01	1.938E-02	1.802E-02		9.524E-04	8.111E-05	5.384E-06	5.005E-06	

**Chuen Lung Street (Minibus, ID7)**

**Starting Emission**

No. of PLB (Diesel) to No. of PLB (LPG) Ratio <sup>[1]</sup> =	6.5
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		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 <sub>2</sub>	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	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	

		No. of Cold Starts of Public Light Bus (Diesel)																	
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	0
0100 - 0200	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
0300 - 0400	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
0500 - 0600	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	10	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
0800 - 0900	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
1000 - 1100	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
1200 - 1300	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
1400 - 1500	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
1600 - 1700	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
1800 - 1900	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
2000 - 2100	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
2200 - 2300	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

Total Starting Emission of PLB (Diesel) (g)				
NO	NO <sub>2</sub>	RSP	FSP	TSP
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
13	5	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	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.











**Chuen Lung Street (Minibus, ID7)**

**Total Hourly Emission**

Hour	Emission Within PTI									
	Total Emission (g) (Running + Idling + Starting)					Total Emission Rate (g/s)				
	NO	NO <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	RSP	FSP	TSP
0000 - 0100	1.022E+00	1.434E-01	1.486E-02	1.419E-02		2.840E-04	3.983E-05	4.128E-06	3.942E-06	
0100 - 0200	1.022E+00	1.434E-01	1.486E-02	1.419E-02		2.840E-04	3.983E-05	4.128E-06	3.942E-06	
0200 - 0300	1.022E+00	1.434E-01	1.486E-02	1.419E-02		2.840E-04	3.983E-05	4.128E-06	3.942E-06	
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	2.991E+01	6.106E+00	8.422E-02	8.041E-02		8.307E-03	1.696E-03	2.339E-05	2.234E-05	
0700 - 0800	2.385E+00	3.346E-01	3.468E-02	3.311E-02		6.626E-04	9.294E-05	9.633E-06	9.198E-06	
0800 - 0900	2.385E+00	3.346E-01	3.468E-02	3.311E-02		6.626E-04	9.294E-05	9.633E-06	9.198E-06	
0900 - 1000	2.385E+00	3.346E-01	3.468E-02	3.311E-02		6.626E-04	9.294E-05	9.633E-06	9.198E-06	
1000 - 1100	2.385E+00	3.346E-01	3.468E-02	3.311E-02		6.626E-04	9.294E-05	9.633E-06	9.198E-06	
1100 - 1200	2.385E+00	3.346E-01	3.468E-02	3.311E-02		6.626E-04	9.294E-05	9.633E-06	9.198E-06	
1200 - 1300	2.385E+00	3.346E-01	3.468E-02	3.311E-02		6.626E-04	9.294E-05	9.633E-06	9.198E-06	
1300 - 1400	2.385E+00	3.346E-01	3.468E-02	3.311E-02		6.626E-04	9.294E-05	9.633E-06	9.198E-06	
1400 - 1500	2.385E+00	3.346E-01	3.468E-02	3.311E-02		6.626E-04	9.294E-05	9.633E-06	9.198E-06	
1500 - 1600	2.385E+00	3.346E-01	3.468E-02	3.311E-02		6.626E-04	9.294E-05	9.633E-06	9.198E-06	
1600 - 1700	2.385E+00	3.346E-01	3.468E-02	3.311E-02		6.626E-04	9.294E-05	9.633E-06	9.198E-06	
1700 - 1800	2.385E+00	3.346E-01	3.468E-02	3.311E-02		6.626E-04	9.294E-05	9.633E-06	9.198E-06	
1800 - 1900	2.385E+00	3.346E-01	3.468E-02	3.311E-02		6.626E-04	9.294E-05	9.633E-06	9.198E-06	
1900 - 2000	2.385E+00	3.346E-01	3.468E-02	3.311E-02		6.626E-04	9.294E-05	9.633E-06	9.198E-06	
2000 - 2100	2.385E+00	3.346E-01	3.468E-02	3.311E-02		6.626E-04	9.294E-05	9.633E-06	9.198E-06	
2100 - 2200	2.385E+00	3.346E-01	3.468E-02	3.311E-02		6.626E-04	9.294E-05	9.633E-06	9.198E-06	
2200 - 2300	2.385E+00	3.346E-01	3.468E-02	3.311E-02		6.626E-04	9.294E-05	9.633E-06	9.198E-06	
2300 - 2400	1.363E+00	1.912E-01	1.982E-02	1.892E-02		3.786E-04	5.311E-05	5.505E-06	5.256E-06	

### Ho Pui Street (Minibus, ID8)

Starting Emission	
No. of PLB (Diesel) to No. of PLB (LPG) Ratio <sup>[1]</sup> =	6.5

NO	Starting Emission Factor (g/trip)																	
	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 <sub>2</sub>	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	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	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 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	
0000 - 0100	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
0200 - 0300	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
0400 - 0500	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
0600 - 0700	0	0	0	0	0	0	0	0	0	0	0	0	7	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
0800 - 0900	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
1000 - 1100	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
1200 - 1300	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
1400 - 1500	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
1600 - 1700	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
1800 - 1900	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
2000 - 2100	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
2200 - 2300	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

Total Starting Emission of PLB (Diesel) (g)				
NO	NO <sub>2</sub>	RSP	FSP	TSP
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
9	4	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
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.







### Ho Pui Street (Minibus, ID8)

#### Running Emission

Average Travelling Distance within PTI =	62	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 <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	RSP	FSP	TSP
0000 - 0100	0	6.659E-01	1.619E-01	4.290E-02	3.940E-02		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0100 - 0200	0	6.659E-01	1.619E-01	4.290E-02	3.940E-02		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0200 - 0300	0	6.659E-01	1.619E-01	4.290E-02	3.940E-02		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0300 - 0400	0	6.659E-01	1.619E-01	4.290E-02	3.940E-02		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0400 - 0500	0	6.659E-01	1.619E-01	4.290E-02	3.940E-02		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0500 - 0600	0	6.659E-01	1.619E-01	4.290E-02	3.940E-02		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0600 - 0700	19	6.659E-01	1.619E-01	4.290E-02	3.940E-02		7.844E-01	1.907E-01	5.054E-02	4.641E-02	
0700 - 0800	29	6.659E-01	1.619E-01	4.290E-02	3.940E-02		1.197E+00	2.911E-01	7.713E-02	7.084E-02	
0800 - 0900	29	6.659E-01	1.619E-01	4.290E-02	3.940E-02		1.197E+00	2.911E-01	7.713E-02	7.084E-02	
0900 - 1000	29	6.659E-01	1.619E-01	4.290E-02	3.940E-02		1.197E+00	2.911E-01	7.713E-02	7.084E-02	
1000 - 1100	29	6.659E-01	1.619E-01	4.290E-02	3.940E-02		1.197E+00	2.911E-01	7.713E-02	7.084E-02	
1100 - 1200	29	6.659E-01	1.619E-01	4.290E-02	3.940E-02		1.197E+00	2.911E-01	7.713E-02	7.084E-02	
1200 - 1300	29	6.659E-01	1.619E-01	4.290E-02	3.940E-02		1.197E+00	2.911E-01	7.713E-02	7.084E-02	
1300 - 1400	29	6.659E-01	1.619E-01	4.290E-02	3.940E-02		1.197E+00	2.911E-01	7.713E-02	7.084E-02	
1400 - 1500	29	6.659E-01	1.619E-01	4.290E-02	3.940E-02		1.197E+00	2.911E-01	7.713E-02	7.084E-02	
1500 - 1600	29	6.659E-01	1.619E-01	4.290E-02	3.940E-02		1.197E+00	2.911E-01	7.713E-02	7.084E-02	
1600 - 1700	29	6.659E-01	1.619E-01	4.290E-02	3.940E-02		1.197E+00	2.911E-01	7.713E-02	7.084E-02	
1700 - 1800	29	6.659E-01	1.619E-01	4.290E-02	3.940E-02		1.197E+00	2.911E-01	7.713E-02	7.084E-02	
1800 - 1900	29	6.659E-01	1.619E-01	4.290E-02	3.940E-02		1.197E+00	2.911E-01	7.713E-02	7.084E-02	
1900 - 2000	29	6.659E-01	1.619E-01	4.290E-02	3.940E-02		1.197E+00	2.911E-01	7.713E-02	7.084E-02	
2000 - 2100	29	6.659E-01	1.619E-01	4.290E-02	3.940E-02		1.197E+00	2.911E-01	7.713E-02	7.084E-02	
2100 - 2200	29	6.659E-01	1.619E-01	4.290E-02	3.940E-02		1.197E+00	2.911E-01	7.713E-02	7.084E-02	
2200 - 2300	29	6.659E-01	1.619E-01	4.290E-02	3.940E-02		1.197E+00	2.911E-01	7.713E-02	7.084E-02	
2300 - 2400	9	6.659E-01	1.619E-01	4.290E-02	3.940E-02		3.716E-01	9.034E-02	2.394E-02	2.199E-02	

#### Idling Emission

No. of PLB (Diesel) to No. of PLB (LPG) Ratio <sup>(1)</sup> =	6.5	
Idling Time for Non-terminating Public Light Buses =	5	min

Hour	Frequency	Public Light Bus (Diesel)					Public Light Bus (LPG)															
		Hot Idling Emission Factor (g/min)					Hot Idling Emission (g)					Hot Idling Emission Factor (g/min)					Hot Idling Emission (g)					
		NO	NO <sub>2</sub>	RSP	TSP	FSP	NO	NO <sub>2</sub>	RSP	FSP	TSP	Frequency	NO	NO <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	RSP	FSP	TSP
0000 - 0100	0	2.159E-02	8.395E-03	4.333E-04	4.333E-04		0.000E+00	0.000E+00	0.000E+00	0.000E+00		0	3.084E-01	1.552E-03	4.965E-04	4.965E-04		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0100 - 0200	0	2.159E-02	8.395E-03	4.333E-04	4.333E-04		0.000E+00	0.000E+00	0.000E+00	0.000E+00		0	3.084E-01	1.552E-03	4.965E-04	4.965E-04		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0200 - 0300	0	2.159E-02	8.395E-03	4.333E-04	4.333E-04		0.000E+00	0.000E+00	0.000E+00	0.000E+00		0	3.084E-01	1.552E-03	4.965E-04	4.965E-04		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0300 - 0400	0	2.159E-02	8.395E-03	4.333E-04	4.333E-04		0.000E+00	0.000E+00	0.000E+00	0.000E+00		0	3.084E-01	1.552E-03	4.965E-04	4.965E-04		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0400 - 0500	0	2.159E-02	8.395E-03	4.333E-04	4.333E-04		0.000E+00	0.000E+00	0.000E+00	0.000E+00		0	3.084E-01	1.552E-03	4.965E-04	4.965E-04		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0500 - 0600	0	2.159E-02	8.395E-03	4.333E-04	4.333E-04		0.000E+00	0.000E+00	0.000E+00	0.000E+00		0	3.084E-01	1.552E-03	4.965E-04	4.965E-04		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0600 - 0700	10	2.159E-02	8.395E-03	4.333E-04	4.333E-04		1.030E+00	4.005E-01	2.067E-02	2.067E-02		1	3.084E-01	1.552E-03	4.965E-04	4.965E-04		2.250E+00	1.132E-02	3.622E-03	3.622E-03	
0700 - 0800	25	2.159E-02	8.395E-03	4.333E-04	4.333E-04		2.71575663	1.05584237	5.450E-02	5.450E-02		4	3.084E-01	1.552E-03	4.965E-04	4.965E-04		5.931E+00	2.984E-02	9.548E-03	9.548E-03	
0800 - 0900	25	2.159E-02	8.395E-03	4.333E-04	4.333E-04		2.716E+00	1.056E+00	5.450E-02	5.450E-02		4	3.084E-01	1.552E-03	4.965E-04	4.965E-04		5.931E+00	2.984E-02	9.548E-03	9.548E-03	
0900 - 1000	25	2.159E-02	8.395E-03	4.333E-04	4.333E-04		2.716E+00	1.056E+00	5.450E-02	5.450E-02		4	3.084E-01	1.552E-03	4.965E-04	4.965E-04		5.931E+00	2.984E-02	9.548E-03	9.548E-03	
1000 - 1100	25	2.159E-02	8.395E-03	4.333E-04	4.333E-04		2.716E+00	1.056E+00	5.450E-02	5.450E-02		4	3.084E-01	1.552E-03	4.965E-04	4.965E-04		5.931E+00	2.984E-02	9.548E-03	9.548E-03	
1100 - 1200	25	2.159E-02	8.395E-03	4.333E-04	4.333E-04		2.716E+00	1.056E+00	5.450E-02	5.450E-02		4	3.084E-01	1.552E-03	4.965E-04	4.965E-04		5.931E+00	2.984E-02	9.548E-03	9.548E-03	
1200 - 1300	25	2.159E-02	8.395E-03	4.333E-04	4.333E-04		2.716E+00	1.056E+00	5.450E-02	5.450E-02		4	3.084E-01	1.552E-03	4.965E-04	4.965E-04		5.931E+00	2.984E-02	9.548E-03	9.548E-03	
1300 - 1400	25	2.159E-02	8.395E-03	4.333E-04	4.333E-04		2.716E+00	1.056E+00	5.450E-02	5.450E-02		4	3.084E-01	1.552E-03	4.965E-04	4.965E-04		5.931E+00	2.984E-02	9.548E-03	9.548E-03	
1400 - 1500	25	2.159E-02	8.395E-03	4.333E-04	4.333E-04		2.716E+00	1.056E+00	5.450E-02	5.450E-02		4	3.084E-01	1.552E-03	4.965E-04	4.965E-04		5.931E+00	2.984E-02	9.548E-03	9.548E-03	
1500 - 1600	25	2.159E-02	8.395E-03	4.333E-04	4.333E-04		2.716E+00	1.056E+00	5.450E-02	5.450E-02		4	3.084E-01	1.552E-03	4.965E-04	4.965E-04		5.931E+00	2.984E-02	9.548E-03	9.548E-03	
1600 - 1700	25	2.159E-02	8.395E-03	4.333E-04	4.333E-04		2.716E+00	1.056E+00	5.450E-02	5.450E-02		4	3.084E-01	1.552E-03	4.965E-04	4.965E-04		5.931E+00	2.984E-02	9.548E-03	9.548E-03	
1700 - 1800	25	2.159E-02	8.395E-03	4.333E-04	4.333E-04		2.716E+00	1.056E+00	5.450E-02	5.450E-02		4	3.084E-01	1.552E-03	4.965E-04	4.965E-04		5.931E+00	2.984E-02	9.548E-03	9.548E-03	
1800 - 1900	25	2.159E-02	8.395E-03	4.333E-04	4.333E-04		2.716E+00	1.056E+00	5.450E-02	5.450E-02		4	3.084E-01	1.552E-03	4.965E-04	4.965E-04		5.931E+00	2.984E-02	9.548E-03	9.548E-03	
1900 - 2000	25	2.159E-02	8.395E-03	4.333E-04	4.333E-04		2.716E+00	1.056E+00	5.450E-02	5.450E-02		4	3.084E-01	1.552E-03	4.965E-04	4.965E-04		5.931E+00	2.984E-02	9.548E-03	9.548E-03	
2000 - 2100	25	2.159E-02	8.395E-03	4.333E-04	4.333E-04		2.716E+00	1.056E+00	5.450E-02	5.450E-02		4	3.084E-01	1.552E-03	4.965E-04	4.965E-04		5.931E+00	2.984E-02	9.548E-03	9.548E-03	
2100 - 2200	25	2.159E-02	8.395E-03	4.333E-04	4.333E-04		2.716E+00	1.056E+00	5.450E-02	5.450E-02		4	3.084E-01	1.552E-03	4.965E-04	4.965E-04		5.931E+00	2.984E-02	9.548E-03	9.548E-03	
2200 - 2300	25	2.159E-02	8.395E-03	4.333E-04	4.333E-04		2.716E+00	1.056E+00	5.450E-02	5.450E-02		4	3.084E-01	1.552E-03	4.965E-04	4.965E-04		5.931E+00	2.984E-02	9.548E-03	9.548E-03	
2300 - 2400	8	2.159E-02	8.395E-03	4.333E-04	4.333E-04		8.428E-01	3.277E-01	1.691E-02	1.691E-02		1	3.084E-01	1.552E-03	4.965E-04	4.965E-04		1.841E+00	9.261E-03	2.963E-03	2.963E-03	

**Ho Pui Street (Minibus, ID8)**

**Total Hourly Emission**

Hour	Emission Within PTI									
	Total Emission (g) (Running + Idling + Starting)					Total Emission Rate (g/s)				
	NO	NO <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	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	2.399E+01	4.752E+00	9.250E-02	8.838E-02		6.663E-03	1.320E-03	2.569E-05	2.455E-05	
0700 - 0800	9.844E+00	1.377E+00	1.412E-01	1.349E-01		2.734E-03	3.824E-04	3.922E-05	3.747E-05	
0800 - 0900	9.844E+00	1.377E+00	1.412E-01	1.349E-01		2.734E-03	3.824E-04	3.922E-05	3.747E-05	
0900 - 1000	9.844E+00	1.377E+00	1.412E-01	1.349E-01		2.734E-03	3.824E-04	3.922E-05	3.747E-05	
1000 - 1100	9.844E+00	1.377E+00	1.412E-01	1.349E-01		2.734E-03	3.824E-04	3.922E-05	3.747E-05	
1100 - 1200	9.844E+00	1.377E+00	1.412E-01	1.349E-01		2.734E-03	3.824E-04	3.922E-05	3.747E-05	
1200 - 1300	9.844E+00	1.377E+00	1.412E-01	1.349E-01		2.734E-03	3.824E-04	3.922E-05	3.747E-05	
1300 - 1400	9.844E+00	1.377E+00	1.412E-01	1.349E-01		2.734E-03	3.824E-04	3.922E-05	3.747E-05	
1400 - 1500	9.844E+00	1.377E+00	1.412E-01	1.349E-01		2.734E-03	3.824E-04	3.922E-05	3.747E-05	
1500 - 1600	9.844E+00	1.377E+00	1.412E-01	1.349E-01		2.734E-03	3.824E-04	3.922E-05	3.747E-05	
1600 - 1700	9.844E+00	1.377E+00	1.412E-01	1.349E-01		2.734E-03	3.824E-04	3.922E-05	3.747E-05	
1700 - 1800	9.844E+00	1.377E+00	1.412E-01	1.349E-01		2.734E-03	3.824E-04	3.922E-05	3.747E-05	
1800 - 1900	9.844E+00	1.377E+00	1.412E-01	1.349E-01		2.734E-03	3.824E-04	3.922E-05	3.747E-05	
1900 - 2000	9.844E+00	1.377E+00	1.412E-01	1.349E-01		2.734E-03	3.824E-04	3.922E-05	3.747E-05	
2000 - 2100	9.844E+00	1.377E+00	1.412E-01	1.349E-01		2.734E-03	3.824E-04	3.922E-05	3.747E-05	
2100 - 2200	9.844E+00	1.377E+00	1.412E-01	1.349E-01		2.734E-03	3.824E-04	3.922E-05	3.747E-05	
2200 - 2300	9.844E+00	1.377E+00	1.412E-01	1.349E-01		2.734E-03	3.824E-04	3.922E-05	3.747E-05	
2300 - 2400	3.055E+00	4.273E-01	4.382E-02	4.186E-02		8.486E-04	1.187E-04	1.217E-05	1.163E-05	







**Ham Tin Street (Minibus, ID9)**

Starting Emission

No. of PLB (Diesel) to No. of PLB (LPG) Ratio <sup>[1]</sup> =	6.5
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	Starting Emission Factor (g/trip)																	
<b>NO</b>	1.850E+00	2.788E+00	4.434E+00	5.775E+00	6.812E+00	7.544E+00	7.971E+00	8.197E+00	8.167E+00	8.121E+00	8.059E+00	7.981E+00	7.887E+00	7.778E+00	7.652E+00	7.511E+00	7.353E+00	7.180E+00
<b>NO<sub>2</sub></b>	9.300E-03	1.400E-02	2.230E-02	2.900E-02	3.420E-02	3.790E-02	4.010E-02	4.120E-02	4.100E-02	4.080E-02	4.050E-02	4.010E-02	3.960E-02	3.910E-02	3.850E-02	3.770E-02	3.700E-02	3.610E-02
<b>RSP</b>	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
<b>FSP</b>	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
<b>TSP</b>	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	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 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	1	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 of PLB (LPG) (g)				
NO	NO <sub>2</sub>	RSP	FSP	TSP
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
7	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
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.





**Ham Tin Street (Minibus, ID9)**

**Total Hourly Emission**

Hour	Emission Within PTI									
	Total Emission (g) (Running + Idling + Starting)					Total Emission Rate (g/s)				
	NO	NO <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	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	1.948E+01	3.954E+00	6.254E-02	5.960E-02		5.412E-03	1.098E-03	1.737E-05	1.656E-05	
0700 - 0800	2.413E+00	3.414E-01	3.648E-02	3.477E-02		6.704E-04	9.483E-05	1.013E-05	9.657E-06	
0800 - 0900	2.413E+00	3.414E-01	3.648E-02	3.477E-02		6.704E-04	9.483E-05	1.013E-05	9.657E-06	
0900 - 1000	2.413E+00	3.414E-01	3.648E-02	3.477E-02		6.704E-04	9.483E-05	1.013E-05	9.657E-06	
1000 - 1100	2.413E+00	3.414E-01	3.648E-02	3.477E-02		6.704E-04	9.483E-05	1.013E-05	9.657E-06	
1100 - 1200	2.413E+00	3.414E-01	3.648E-02	3.477E-02		6.704E-04	9.483E-05	1.013E-05	9.657E-06	
1200 - 1300	2.413E+00	3.414E-01	3.648E-02	3.477E-02		6.704E-04	9.483E-05	1.013E-05	9.657E-06	
1300 - 1400	2.413E+00	3.414E-01	3.648E-02	3.477E-02		6.704E-04	9.483E-05	1.013E-05	9.657E-06	
1400 - 1500	2.413E+00	3.414E-01	3.648E-02	3.477E-02		6.704E-04	9.483E-05	1.013E-05	9.657E-06	
1500 - 1600	2.413E+00	3.414E-01	3.648E-02	3.477E-02		6.704E-04	9.483E-05	1.013E-05	9.657E-06	
1600 - 1700	2.413E+00	3.414E-01	3.648E-02	3.477E-02		6.704E-04	9.483E-05	1.013E-05	9.657E-06	
1700 - 1800	2.413E+00	3.414E-01	3.648E-02	3.477E-02		6.704E-04	9.483E-05	1.013E-05	9.657E-06	
1800 - 1900	2.413E+00	3.414E-01	3.648E-02	3.477E-02		6.704E-04	9.483E-05	1.013E-05	9.657E-06	
1900 - 2000	2.413E+00	3.414E-01	3.648E-02	3.477E-02		6.704E-04	9.483E-05	1.013E-05	9.657E-06	
2000 - 2100	2.413E+00	3.414E-01	3.648E-02	3.477E-02		6.704E-04	9.483E-05	1.013E-05	9.657E-06	
2100 - 2200	2.413E+00	3.414E-01	3.648E-02	3.477E-02		6.704E-04	9.483E-05	1.013E-05	9.657E-06	
2200 - 2300	2.413E+00	3.414E-01	3.648E-02	3.477E-02		6.704E-04	9.483E-05	1.013E-05	9.657E-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	

**Kwai Hsu Street (Minibus, ID12)**

**Starting Emission**

No. of PLB (Diesel) to No. of PLB (LPG) Ratio <sup>[1]</sup> =	6.5
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	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 <sub>2</sub>	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	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	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	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	0	0	0	0	0	0	
0600 - 0700	0	0	0	0	0	0	0	0	0	0	0	0	23	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 of PLB (Diesel) (g)				
NO	NO <sub>2</sub>	RSP	FSP	TSP
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
30	12	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
0	0	0	0	
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.









**Kwai Hau Street (Minibus, ID12)**

**Running Emission**

Average Travelling Distance within PTI =	56	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 <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	RSP	FSP	TSP
0000 - 0100	3	6.659E-01	1.619E-01	4.290E-02	3.940E-02		1.119E-01	2.720E-02	7.207E-03	6.619E-03	
0100 - 0200	0	6.659E-01	1.619E-01	4.290E-02	3.940E-02		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0200 - 0300	0	6.659E-01	1.619E-01	4.290E-02	3.940E-02		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0300 - 0400	0	6.659E-01	1.619E-01	4.290E-02	3.940E-02		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0400 - 0500	0	6.659E-01	1.619E-01	4.290E-02	3.940E-02		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0500 - 0600	0	6.659E-01	1.619E-01	4.290E-02	3.940E-02		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0600 - 0700	37	6.659E-01	1.619E-01	4.290E-02	3.940E-02		1.380E+00	3.355E-01	8.889E-02	8.164E-02	
0700 - 0800	21	6.659E-01	1.619E-01	4.290E-02	3.940E-02		7.831E-01	1.904E-01	5.045E-02	4.633E-02	
0800 - 0900	21	6.659E-01	1.619E-01	4.290E-02	3.940E-02		7.831E-01	1.904E-01	5.045E-02	4.633E-02	
0900 - 1000	21	6.659E-01	1.619E-01	4.290E-02	3.940E-02		7.831E-01	1.904E-01	5.045E-02	4.633E-02	
1000 - 1100	21	6.659E-01	1.619E-01	4.290E-02	3.940E-02		7.831E-01	1.904E-01	5.045E-02	4.633E-02	
1100 - 1200	21	6.659E-01	1.619E-01	4.290E-02	3.940E-02		7.831E-01	1.904E-01	5.045E-02	4.633E-02	
1200 - 1300	21	6.659E-01	1.619E-01	4.290E-02	3.940E-02		7.831E-01	1.904E-01	5.045E-02	4.633E-02	
1300 - 1400	21	6.659E-01	1.619E-01	4.290E-02	3.940E-02		7.831E-01	1.904E-01	5.045E-02	4.633E-02	
1400 - 1500	21	6.659E-01	1.619E-01	4.290E-02	3.940E-02		7.831E-01	1.904E-01	5.045E-02	4.633E-02	
1500 - 1600	21	6.659E-01	1.619E-01	4.290E-02	3.940E-02		7.831E-01	1.904E-01	5.045E-02	4.633E-02	
1600 - 1700	21	6.659E-01	1.619E-01	4.290E-02	3.940E-02		7.831E-01	1.904E-01	5.045E-02	4.633E-02	
1700 - 1800	21	6.659E-01	1.619E-01	4.290E-02	3.940E-02		7.831E-01	1.904E-01	5.045E-02	4.633E-02	
1800 - 1900	21	6.659E-01	1.619E-01	4.290E-02	3.940E-02		7.831E-01	1.904E-01	5.045E-02	4.633E-02	
1900 - 2000	21	6.659E-01	1.619E-01	4.290E-02	3.940E-02		7.831E-01	1.904E-01	5.045E-02	4.633E-02	
2000 - 2100	21	6.659E-01	1.619E-01	4.290E-02	3.940E-02		7.831E-01	1.904E-01	5.045E-02	4.633E-02	
2100 - 2200	21	6.659E-01	1.619E-01	4.290E-02	3.940E-02		7.831E-01	1.904E-01	5.045E-02	4.633E-02	
2200 - 2300	20	6.659E-01	1.619E-01	4.290E-02	3.940E-02		7.458E-01	1.813E-01	4.805E-02	4.413E-02	
2300 - 2400	9	6.659E-01	1.619E-01	4.290E-02	3.940E-02		3.356E-01	8.160E-02	2.162E-02	1.986E-02	

**Idling Emission**

No. of PLB (Diesel) to No. of PLB (LPG) Ratio <sup>(1)</sup> =	6.5	
Idling Time for Non-terminating Public Light Buses =	5	min

Hour	Frequency	Public Light Bus (Diesel)										Public Light Bus (LPG)										
		Hot Idling Emission Factor (g/min)					Hot Idling Emission (g)					Hot Idling Emission Factor (g/min)					Hot Idling Emission (g)					
		NO	NO <sub>2</sub>	RSP	TSP	FSP	NO	NO <sub>2</sub>	RSP	FSP	TSP	Frequency	NO	NO <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	RSP	FSP	TSP
0000 - 0100	3	2.159E-02	8.395E-03	4.333E-04	4.333E-04		2.809E-01	1.092E-01	5.638E-03	5.638E-03		0	3.084E-01	1.552E-03	4.965E-04	4.965E-04		6.135E-01	3.087E-03	9.877E-04	9.877E-04	
0100 - 0200	0	2.159E-02	8.395E-03	4.333E-04	4.333E-04		0.000E+00	0.000E+00	0.000E+00	0.000E+00		0	3.084E-01	1.552E-03	4.965E-04	4.965E-04		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0200 - 0300	0	2.159E-02	8.395E-03	4.333E-04	4.333E-04		0.000E+00	0.000E+00	0.000E+00	0.000E+00		0	3.084E-01	1.552E-03	4.965E-04	4.965E-04		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0300 - 0400	0	2.159E-02	8.395E-03	4.333E-04	4.333E-04		0.000E+00	0.000E+00	0.000E+00	0.000E+00		0	3.084E-01	1.552E-03	4.965E-04	4.965E-04		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0400 - 0500	0	2.159E-02	8.395E-03	4.333E-04	4.333E-04		0.000E+00	0.000E+00	0.000E+00	0.000E+00		0	3.084E-01	1.552E-03	4.965E-04	4.965E-04		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0500 - 0600	0	2.159E-02	8.395E-03	4.333E-04	4.333E-04		0.000E+00	0.000E+00	0.000E+00	0.000E+00		0	3.084E-01	1.552E-03	4.965E-04	4.965E-04		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0600 - 0700	10	2.159E-02	8.395E-03	4.333E-04	4.333E-04		1.030E+00	4.005E-01	2.067E-02	2.067E-02		1	3.084E-01	1.552E-03	4.965E-04	4.965E-04		2.250E+00	1.132E-02	3.622E-03	3.622E-03	
0700 - 0800	18	2.159E-02	8.395E-03	4.333E-04	4.333E-04		1.967E+00	7.646E-01	3.947E-02	3.947E-02		3	3.084E-01	1.552E-03	4.965E-04	4.965E-04		4.295E+00	2.161E-02	6.914E-03	6.914E-03	
0800 - 0900	18	2.159E-02	8.395E-03	4.333E-04	4.333E-04		1.967E+00	7.646E-01	3.947E-02	3.947E-02		3	3.084E-01	1.552E-03	4.965E-04	4.965E-04		4.295E+00	2.161E-02	6.914E-03	6.914E-03	
0900 - 1000	18	2.159E-02	8.395E-03	4.333E-04	4.333E-04		1.967E+00	7.646E-01	3.947E-02	3.947E-02		3	3.084E-01	1.552E-03	4.965E-04	4.965E-04		4.295E+00	2.161E-02	6.914E-03	6.914E-03	
1000 - 1100	18	2.159E-02	8.395E-03	4.333E-04	4.333E-04		1.967E+00	7.646E-01	3.947E-02	3.947E-02		3	3.084E-01	1.552E-03	4.965E-04	4.965E-04		4.295E+00	2.161E-02	6.914E-03	6.914E-03	
1100 - 1200	18	2.159E-02	8.395E-03	4.333E-04	4.333E-04		1.967E+00	7.646E-01	3.947E-02	3.947E-02		3	3.084E-01	1.552E-03	4.965E-04	4.965E-04		4.295E+00	2.161E-02	6.914E-03	6.914E-03	
1200 - 1300	18	2.159E-02	8.395E-03	4.333E-04	4.333E-04		1.967E+00	7.646E-01	3.947E-02	3.947E-02		3	3.084E-01	1.552E-03	4.965E-04	4.965E-04		4.295E+00	2.161E-02	6.914E-03	6.914E-03	
1300 - 1400	18	2.159E-02	8.395E-03	4.333E-04	4.333E-04		1.967E+00	7.646E-01	3.947E-02	3.947E-02		3	3.084E-01	1.552E-03	4.965E-04	4.965E-04		4.295E+00	2.161E-02	6.914E-03	6.914E-03	
1400 - 1500	18	2.159E-02	8.395E-03	4.333E-04	4.333E-04		1.967E+00	7.646E-01	3.947E-02	3.947E-02		3	3.084E-01	1.552E-03	4.965E-04	4.965E-04		4.295E+00	2.161E-02	6.914E-03	6.914E-03	
1500 - 1600	18	2.159E-02	8.395E-03	4.333E-04	4.333E-04		1.967E+00	7.646E-01	3.947E-02	3.947E-02		3	3.084E-01	1.552E-03	4.965E-04	4.965E-04		4.295E+00	2.161E-02	6.914E-03	6.914E-03	
1600 - 1700	18	2.159E-02	8.395E-03	4.333E-04	4.333E-04		1.967E+00	7.646E-01	3.947E-02	3.947E-02		3	3.084E-01	1.552E-03	4.965E-04	4.965E-04		4.295E+00	2.161E-02	6.914E-03	6.914E-03	
1700 - 1800	18	2.159E-02	8.395E-03	4.333E-04	4.333E-04		1.967E+00	7.646E-01	3.947E-02	3.947E-02		3	3.084E-01	1.552E-03	4.965E-04	4.965E-04		4.295E+00	2.161E-02	6.914E-03	6.914E-03	
1800 - 1900	18	2.159E-02	8.395E-03	4.333E-04	4.333E-04		1.967E+00	7.646E-01	3.947E-02	3.947E-02		3	3.084E-01	1.552E-03	4.965E-04	4.965E-04		4.295E+00	2.161E-02	6.914E-03	6.914E-03	
1900 - 2000	18	2.159E-02	8.395E-03	4.333E-04	4.333E-04		1.967E+00	7.646E-01	3.947E-02	3.947E-02		3	3.084E-01	1.552E-03	4.965E-04	4.965E-04		4.295E+00	2.161E-02	6.914E-03	6.914E-03	
2000 - 2100	18	2.159E-02	8.395E-03	4.333E-04	4.333E-04		1.967E+00	7.646E-01	3.947E-02	3.947E-02		3	3.084E-01	1.552E-03	4.965E-04	4.965E-04		4.295E+00	2.161E-02	6.914E-03	6.914E-03	
2100 - 2200	18	2.159E-02	8.395E-03	4.333E-04	4.333E-04		1.967E+00	7.646E-01	3.947E-02	3.947E-02		3	3.084E-01	1.552E-03	4.965E-04	4.965E-04		4.295E+00	2.161E-02	6.914E-03	6.914E-03	
2200 - 2300	17	2.159E-02	8.395E-03	4.333E-04	4.333E-04		1.873E+00	7.282E-01	3.759E-02	3.759E-02		3	3.084E-01	1.552E-03	4.965E-04	4.965E-04		4.090E+00	2.058E-02	6.585E-03	6.585E-03	
2300 - 2400	8	2.159E-02	8.395E-03	4.333E-04	4.333E-04		8.428E-01	3.277E-01	1.691E-02	1.691E-02		1	3.084E-01	1.552E-03	4.965E-04	4.965E-04		1.841E+00	9.261E-03	2.963E-03	2.963E-03	

**Kwai Hau Street (Minibus, ID12)**

**Total Hourly Emission**

Hour	Emission Within PTI									
	Total Emission (g) (Running + Idling + Starting)					Total Emission Rate (g/s)				
	NO	NO <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	RSP	FSP	TSP
0000 - 0100	1.006E+00	1.395E-01	1.383E-02	1.324E-02		2.795E-04	3.875E-05	3.842E-06	3.679E-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	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	6.941E+01	1.423E+01	1.706E-01	1.634E-01		1.928E-02	3.954E-03	4.739E-05	4.538E-05	
0700 - 0800	7.044E+00	9.766E-01	9.683E-02	9.271E-02		1.957E-03	2.713E-04	2.690E-05	2.575E-05	
0800 - 0900	7.044E+00	9.766E-01	9.683E-02	9.271E-02		1.957E-03	2.713E-04	2.690E-05	2.575E-05	
0900 - 1000	7.044E+00	9.766E-01	9.683E-02	9.271E-02		1.957E-03	2.713E-04	2.690E-05	2.575E-05	
1000 - 1100	7.044E+00	9.766E-01	9.683E-02	9.271E-02		1.957E-03	2.713E-04	2.690E-05	2.575E-05	
1100 - 1200	7.044E+00	9.766E-01	9.683E-02	9.271E-02		1.957E-03	2.713E-04	2.690E-05	2.575E-05	
1200 - 1300	7.044E+00	9.766E-01	9.683E-02	9.271E-02		1.957E-03	2.713E-04	2.690E-05	2.575E-05	
1300 - 1400	7.044E+00	9.766E-01	9.683E-02	9.271E-02		1.957E-03	2.713E-04	2.690E-05	2.575E-05	
1400 - 1500	7.044E+00	9.766E-01	9.683E-02	9.271E-02		1.957E-03	2.713E-04	2.690E-05	2.575E-05	
1500 - 1600	7.044E+00	9.766E-01	9.683E-02	9.271E-02		1.957E-03	2.713E-04	2.690E-05	2.575E-05	
1600 - 1700	7.044E+00	9.766E-01	9.683E-02	9.271E-02		1.957E-03	2.713E-04	2.690E-05	2.575E-05	
1700 - 1800	7.044E+00	9.766E-01	9.683E-02	9.271E-02		1.957E-03	2.713E-04	2.690E-05	2.575E-05	
1800 - 1900	7.044E+00	9.766E-01	9.683E-02	9.271E-02		1.957E-03	2.713E-04	2.690E-05	2.575E-05	
1900 - 2000	7.044E+00	9.766E-01	9.683E-02	9.271E-02		1.957E-03	2.713E-04	2.690E-05	2.575E-05	
2000 - 2100	7.044E+00	9.766E-01	9.683E-02	9.271E-02		1.957E-03	2.713E-04	2.690E-05	2.575E-05	
2100 - 2200	7.044E+00	9.766E-01	9.683E-02	9.271E-02		1.957E-03	2.713E-04	2.690E-05	2.575E-05	
2200 - 2300	6.709E+00	9.301E-01	9.222E-02	8.830E-02		1.864E-03	2.584E-04	2.562E-05	2.453E-05	
2300 - 2400	3.019E+00	4.185E-01	4.150E-02	3.973E-02		8.386E-04	1.163E-04	1.153E-05	1.104E-05	







**Hing Ning Road - Northbound (Minibus, ID19)**

**Cold Idling Emission**

Idling Time for Terminating Public Light Buses =	5	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 <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	RSP	FSP	TSP		NO	NO <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	RSP	FSP	TSP
0000 - 0100	0	2.372E-01	1.194E-03	4.965E-04	4.965E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0	3.084E-01	1.552E-03	4.965E-04	4.965E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00

Average Distance from Starting Place to PTI Egress =	15	m
Average Spread Distance outside PTI =	135	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 <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	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	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00





**Hing Ning Road - Northbound (Minibus, ID19)**

**Total Hourly Emission**

Hour	Emission Within PTI									
	Total Emission (g) (Running + Idling + Starting)					Total Emission Rate (g/s)				
	NO	NO <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	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	1.938E+01	3.519E+00	4.195E-02	4.069E-02		5.383E-03	9.774E-04	1.165E-05	1.130E-05	
0600 - 0700	5.090E+00	6.767E-01	5.593E-02	5.425E-02		1.414E-03	1.880E-04	1.554E-05	1.507E-05	
0700 - 0800	7.317E+00	9.728E-01	8.040E-02	7.798E-02		2.032E-03	2.702E-04	2.233E-05	2.166E-05	
0800 - 0900	6.681E+00	8.882E-01	7.341E-02	7.120E-02		1.856E-03	2.467E-04	2.039E-05	1.978E-05	
0900 - 1000	6.363E+00	8.459E-01	6.991E-02	6.781E-02		1.767E-03	2.350E-04	1.942E-05	1.884E-05	
1000 - 1100	6.363E+00	8.459E-01	6.991E-02	6.781E-02		1.767E-03	2.350E-04	1.942E-05	1.884E-05	
1100 - 1200	6.363E+00	8.459E-01	6.991E-02	6.781E-02		1.767E-03	2.350E-04	1.942E-05	1.884E-05	
1200 - 1300	6.363E+00	8.459E-01	6.991E-02	6.781E-02		1.767E-03	2.350E-04	1.942E-05	1.884E-05	
1300 - 1400	6.363E+00	8.459E-01	6.991E-02	6.781E-02		1.767E-03	2.350E-04	1.942E-05	1.884E-05	
1400 - 1500	6.363E+00	8.459E-01	6.991E-02	6.781E-02		1.767E-03	2.350E-04	1.942E-05	1.884E-05	
1500 - 1600	6.681E+00	8.882E-01	7.341E-02	7.120E-02		1.856E-03	2.467E-04	2.039E-05	1.978E-05	
1600 - 1700	6.681E+00	8.882E-01	7.341E-02	7.120E-02		1.856E-03	2.467E-04	2.039E-05	1.978E-05	
1700 - 1800	6.681E+00	8.882E-01	7.341E-02	7.120E-02		1.856E-03	2.467E-04	2.039E-05	1.978E-05	
1800 - 1900	6.363E+00	8.459E-01	6.991E-02	6.781E-02		1.767E-03	2.350E-04	1.942E-05	1.884E-05	
1900 - 2000	6.363E+00	8.459E-01	6.991E-02	6.781E-02		1.767E-03	2.350E-04	1.942E-05	1.884E-05	
2000 - 2100	6.363E+00	8.459E-01	6.991E-02	6.781E-02		1.767E-03	2.350E-04	1.942E-05	1.884E-05	
2100 - 2200	6.363E+00	8.459E-01	6.991E-02	6.781E-02		1.767E-03	2.350E-04	1.942E-05	1.884E-05	
2200 - 2300	6.363E+00	8.459E-01	6.991E-02	6.781E-02		1.767E-03	2.350E-04	1.942E-05	1.884E-05	
2300 - 2400	5.408E+00	7.190E-01	5.942E-02	5.764E-02		1.502E-03	1.997E-04	1.651E-05	1.601E-05	



**Kwai Hau Street (Minibus, ID12)**

**Cold Idling Emission**

Idling Time for Terminating Public Light Buses =	5	min
Max. Idling Time for Adjusting Starting Emission =	1	min

Hour	Frequency	Public Light Bus (Diesel)										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 <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	RSP	FSP	TSP		NO	NO <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	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	0.000E+00	4	2.159E-02	8.395E-03	4.333E-04	4.333E-04	4.682E-01	1.820E-01	9.397E-03	9.397E-03	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	0.000E+00	0	2.159E-02	8.395E-03	4.333E-04	4.333E-04	0.000E+00	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	0.000E+00	0	2.159E-02	8.395E-03	4.333E-04	4.333E-04	0.000E+00	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	0.000E+00	0	2.159E-02	8.395E-03	4.333E-04	4.333E-04	0.000E+00	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	0.000E+00	0	2.159E-02	8.395E-03	4.333E-04	4.333E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00		
0500 - 0600	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	0.000E+00	0	2.159E-02	8.395E-03	4.333E-04	4.333E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00		
0600 - 0700	16	4.320E-02	1.680E-02	4.333E-04	4.333E-04	3.373E+00	1.311E+00	3.383E-02	3.383E-02	0.000E+00	8	2.159E-02	8.395E-03	4.333E-04	4.333E-04	8.428E-01	3.277E-01	1.691E-02	1.691E-02	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	0.000E+00	16	2.159E-02	8.395E-03	4.333E-04	4.333E-04	1.686E+00	6.554E-01	3.383E-02	3.383E-02	0.000E+00		
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	0.000E+00	20	2.159E-02	8.395E-03	4.333E-04	4.333E-04	2.154E+00	8.374E-01	4.322E-02	4.322E-02	0.000E+00		
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	0.000E+00	22	2.159E-02	8.395E-03	4.333E-04	4.333E-04	2.341E+00	9.102E-01	4.698E-02	4.698E-02	0.000E+00		
1000 - 1100	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	0.000E+00	22	2.159E-02	8.395E-03	4.333E-04	4.333E-04	2.341E+00	9.102E-01	4.698E-02	4.698E-02	0.000E+00		
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	0.000E+00	22	2.159E-02	8.395E-03	4.333E-04	4.333E-04	2.341E+00	9.102E-01	4.698E-02	4.698E-02	0.000E+00		
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	0.000E+00	22	2.159E-02	8.395E-03	4.333E-04	4.333E-04	2.341E+00	9.102E-01	4.698E-02	4.698E-02	0.000E+00		
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	0.000E+00	22	2.159E-02	8.395E-03	4.333E-04	4.333E-04	2.341E+00	9.102E-01	4.698E-02	4.698E-02	0.000E+00		
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	0.000E+00	22	2.159E-02	8.395E-03	4.333E-04	4.333E-04	2.341E+00	9.102E-01	4.698E-02	4.698E-02	0.000E+00		
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	0.000E+00	22	2.159E-02	8.395E-03	4.333E-04	4.333E-04	2.341E+00	9.102E-01	4.698E-02	4.698E-02	0.000E+00		
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	0.000E+00	22	2.159E-02	8.395E-03	4.333E-04	4.333E-04	2.341E+00	9.102E-01	4.698E-02	4.698E-02	0.000E+00		
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	0.000E+00	22	2.159E-02	8.395E-03	4.333E-04	4.333E-04	2.341E+00	9.102E-01	4.698E-02	4.698E-02	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	0.000E+00	21	2.159E-02	8.395E-03	4.333E-04	4.333E-04	2.248E+00	8.738E-01	4.510E-02	4.510E-02	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	0.000E+00	19	2.159E-02	8.395E-03	4.333E-04	4.333E-04	2.060E+00	8.010E-01	4.135E-02	4.135E-02	0.000E+00		
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	0.000E+00	17	2.159E-02	8.395E-03	4.333E-04	4.333E-04	1.873E+00	7.282E-01	3.759E-02	3.759E-02	0.000E+00		
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	0.000E+00	16	2.159E-02	8.395E-03	4.333E-04	4.333E-04	1.686E+00	6.554E-01	3.383E-02	3.383E-02	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	0.000E+00	16	2.159E-02	8.395E-03	4.333E-04	4.333E-04	1.686E+00	6.554E-01	3.383E-02	3.383E-02	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	0.000E+00	12	2.159E-02	8.395E-03	4.333E-04	4.333E-04	1.311E+00	5.097E-01	2.631E-02	2.631E-02	0.000E+00		

Average Distance from Starting Place to PTI Egress =	35	m
Average Spread Distance outside PTI =	665	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 <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	RSP	FSP	TSP	
0000 - 0100	4.682E-01	1.820E-01	9.397E-03	9.397E-03	9.365E-02	3.641E-02	1.879E-03	1.879E-03	5.531E-03	2.148E-03	0.000E+00	0.000E+00	1.051E-01	4.081E-02	0.000E+00	0.000E+00	2.919E-05	1.134E-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
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	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	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	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	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	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0600 - 0700	4.215E+00	1.639E+00	5.074E-02	5.074E-02	8.431E-01	3.278E-01	1.015E-02	0.15E-02	9.324E-01	3.826E-01	0.000E+00	0.000E+00	1.772E+01	6.899E+00	0.000E+00	0.000E+00	4.921E-03	9.14E-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	1.686E+00	6.554E-01	3.383E-02	3.383E-02	3.371E-01	1.311E-01	6.766E-03	6.766E-03	1.991E-02	7.732E-03	0.000E+00	0.000E+00	3.783E-01	1.469E-01	0.000E+00	0.000E+00	1.051E-04	4.081E-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
0800 - 0900	2.154E+00	8.374E-01	4.322E-02	4.322E-02	4.308E-01	1.675E-01	8.645E-03	8.645E-03	2.544E-02	9.890E-03	0.000E+00	0.000E+00	4.834E-01	1.877E-01	0.000E+00	0.000E+00	1.343E-04	5.215E-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
0900 - 1000	2.341E+00	9.102E-01	4.698E-02	4.698E-02	4.682E-01	1.820E-01	9.397E-03	9.397E-03	2.766E-02	1.074E-02	0.000E+00	0.000E+00	5.255E-01	2.040E-01	0.000E+00	0.000E+00	1.460E-04	5.668E-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
1000 - 1100	2.341E+00	9.102E-01	4.698E-02	4.698E-02	4.682E-01	1.820E-01	9.397E-03	9.397E-03	2.766E-02	1.074E-02	0.000E+00	0.000E+00	5.255E-01	2.040E-01	0.000E+00	0.000E+00	1.460E-04	5.668E-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
1100 - 1200	2.341E+00	9.102E-01	4.698E-02	4.698E-02	4.682E-01	1.820E-01	9.397E-03	9.397E-03	2.766E-02	1.074E-02	0.000E+00	0.000E+00	5.255E-01	2.040E-01	0.000E+00	0.000E+00	1.460E-04	5.668E-05	0.000E+00	0.000E+00	0.0					

**Kwai Hau Street (Minibus, ID12)**

**Starting Emission**

No. of PLB (Diesel) to No. of PLB (LPG) Ratio <sup>[1]</sup> =	6.5
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	Starting Emission Factor (g/trip)																	
<b>NO</b>	1.850E+00	2.788E+00	4.434E+00	5.775E+00	6.812E+00	7.544E+00	7.971E+00	8.197E+00	8.167E+00	8.121E+00	8.059E+00	7.981E+00	7.887E+00	7.778E+00	7.652E+00	7.511E+00	7.353E+00	7.180E+00
<b>NO<sub>2</sub></b>	9.300E-03	1.400E-02	2.230E-02	2.900E-02	3.420E-02	3.790E-02	4.010E-02	4.120E-02	4.100E-02	4.080E-02	4.050E-02	4.010E-02	3.960E-02	3.910E-02	3.850E-02	3.770E-02	3.700E-02	3.610E-02
<b>RSP</b>	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
<b>FSP</b>	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
<b>TSP</b>	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	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 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	1	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	1	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0
0700 - 0800	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0800 - 0900	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0900 - 1000	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1000 - 1100	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1100 - 1200	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1200 - 1300	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1300 - 1400	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1400 - 1500	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1500 - 1600	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1600 - 1700	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1700 - 1800	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1800 - 1900	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1900 - 2000	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2000 - 2100	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2100 - 2200	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2200 - 2300	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2300 - 2400	2	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.

Total Starting Emission of PLB (LPG) (g)				
NO	NO <sub>2</sub>	RSP	FSP	TSP
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	
21	0	0	0	
4	0	0	0	
6	0	0	0	
6	0	0	0	
6	0	0	0	
6	0	0	0	
6	0	0	0	
6	0	0	0	
6	0	0	0	
6	0	0	0	
6	0	0	0	
6	0	0	0	
6	0	0	0	
6	0	0	0	
6	0	0	0	
6	0	0	0	
6	0	0	0	
6	0	0	0	
6	0	0	0	
6	0	0	0	
5	0	0	0	
4	0	0	0	
4	0	0	0	
3	0	0	0	

### Kwai Hau Street (Minibus, ID12)

#### Cold Idling Emission

Idling Time for Terminating Public Light Buses =	5	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 <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	RSP	FSP	TSP		NO	NO <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	RSP	FSP	TSP
0000 - 0100	0	2.372E-01	1.194E-03	4.965E-04	4.965E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	1	3.084E-01	1.552E-03	4.965E-04	4.965E-04	1.023E+00	5.145E-03	1.646E-03	1.646E-03	0.000E+00	0.000E+00	0.000E+00
0100 - 0200	0	2.372E-01	1.194E-03	4.965E-04	4.965E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0	3.084E-01	1.552E-03	4.965E-04	4.965E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0200 - 0300	0	2.372E-01	1.194E-03	4.965E-04	4.965E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0	3.084E-01	1.552E-03	4.965E-04	4.965E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0300 - 0400	0	2.372E-01	1.194E-03	4.965E-04	4.965E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0	3.084E-01	1.552E-03	4.965E-04	4.965E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0400 - 0500	0	2.372E-01	1.194E-03	4.965E-04	4.965E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0	3.084E-01	1.552E-03	4.965E-04	4.965E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0500 - 0600	0	2.372E-01	1.194E-03	4.965E-04	4.965E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0	3.084E-01	1.552E-03	4.965E-04	4.965E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0600 - 0700	2	2.372E-01	1.194E-03	4.965E-04	4.965E-04	2.832E+00	1.425E-02	5.926E-03	5.926E-03	5.926E-03	1	3.084E-01	1.552E-03	4.965E-04	4.965E-04	1.841E+00	9.261E-03	2.963E-03	2.963E-03	0.000E+00	0.000E+00	0.000E+00
0700 - 0800	0	2.372E-01	1.194E-03	4.965E-04	4.965E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2	3.084E-01	1.552E-03	4.965E-04	4.965E-04	3.681E+00	1.852E-02	5.926E-03	5.926E-03	0.000E+00	0.000E+00	0.000E+00
0800 - 0900	0	2.372E-01	1.194E-03	4.965E-04	4.965E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3	3.084E-01	1.552E-03	4.965E-04	4.965E-04	4.704E+00	2.367E-02	7.572E-03	7.572E-03	0.000E+00	0.000E+00	0.000E+00
0900 - 1000	0	2.372E-01	1.194E-03	4.965E-04	4.965E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3	3.084E-01	1.552E-03	4.965E-04	4.965E-04	5.113E+00	2.572E-02	8.231E-03	8.231E-03	0.000E+00	0.000E+00	0.000E+00
1000 - 1100	0	2.372E-01	1.194E-03	4.965E-04	4.965E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3	3.084E-01	1.552E-03	4.965E-04	4.965E-04	5.113E+00	2.572E-02	8.231E-03	8.231E-03	0.000E+00	0.000E+00	0.000E+00
1100 - 1200	0	2.372E-01	1.194E-03	4.965E-04	4.965E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3	3.084E-01	1.552E-03	4.965E-04	4.965E-04	5.113E+00	2.572E-02	8.231E-03	8.231E-03	0.000E+00	0.000E+00	0.000E+00
1200 - 1300	0	2.372E-01	1.194E-03	4.965E-04	4.965E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3	3.084E-01	1.552E-03	4.965E-04	4.965E-04	5.113E+00	2.572E-02	8.231E-03	8.231E-03	0.000E+00	0.000E+00	0.000E+00
1300 - 1400	0	2.372E-01	1.194E-03	4.965E-04	4.965E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3	3.084E-01	1.552E-03	4.965E-04	4.965E-04	5.113E+00	2.572E-02	8.231E-03	8.231E-03	0.000E+00	0.000E+00	0.000E+00
1400 - 1500	0	2.372E-01	1.194E-03	4.965E-04	4.965E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3	3.084E-01	1.552E-03	4.965E-04	4.965E-04	5.113E+00	2.572E-02	8.231E-03	8.231E-03	0.000E+00	0.000E+00	0.000E+00
1500 - 1600	0	2.372E-01	1.194E-03	4.965E-04	4.965E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3	3.084E-01	1.552E-03	4.965E-04	4.965E-04	5.113E+00	2.572E-02	8.231E-03	8.231E-03	0.000E+00	0.000E+00	0.000E+00
1600 - 1700	0	2.372E-01	1.194E-03	4.965E-04	4.965E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3	3.084E-01	1.552E-03	4.965E-04	4.965E-04	5.113E+00	2.572E-02	8.231E-03	8.231E-03	0.000E+00	0.000E+00	0.000E+00
1700 - 1800	0	2.372E-01	1.194E-03	4.965E-04	4.965E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3	3.084E-01	1.552E-03	4.965E-04	4.965E-04	5.113E+00	2.572E-02	8.231E-03	8.231E-03	0.000E+00	0.000E+00	0.000E+00
1800 - 1900	0	2.372E-01	1.194E-03	4.965E-04	4.965E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3	3.084E-01	1.552E-03	4.965E-04	4.965E-04	4.908E+00	2.470E-02	7.902E-03	7.902E-03	0.000E+00	0.000E+00	0.000E+00
1900 - 2000	0	2.372E-01	1.194E-03	4.965E-04	4.965E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3	3.084E-01	1.552E-03	4.965E-04	4.965E-04	4.499E+00	2.264E-02	7.243E-03	7.243E-03	0.000E+00	0.000E+00	0.000E+00
2000 - 2100	0	2.372E-01	1.194E-03	4.965E-04	4.965E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	3	3.084E-01	1.552E-03	4.965E-04	4.965E-04	4.090E+00	2.058E-02	6.585E-03	6.585E-03	0.000E+00	0.000E+00	0.000E+00
2100 - 2200	0	2.372E-01	1.194E-03	4.965E-04	4.965E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2	3.084E-01	1.552E-03	4.965E-04	4.965E-04	3.681E+00	1.852E-02	5.926E-03	5.926E-03	0.000E+00	0.000E+00	0.000E+00
2200 - 2300	0	2.372E-01	1.194E-03	4.965E-04	4.965E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2	3.084E-01	1.552E-03	4.965E-04	4.965E-04	3.681E+00	1.852E-02	5.926E-03	5.926E-03	0.000E+00	0.000E+00	0.000E+00
2300 - 2400	0	2.372E-01	1.194E-03	4.965E-04	4.965E-04	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00	2	3.084E-01	1.552E-03	4.965E-04	4.965E-04	2.863E+00	1.441E-02	4.609E-03	4.609E-03	0.000E+00	0.000E+00	0.000E+00

Average Distance from Starting Place to PTI Egress =	35	m
Average Spread Distance outside PTI =	115	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 <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	RSP	FSP	TSP
0000 - 0100	1.023E+00	5.145E-03	1.646E-03	1.646E-03	0.000E+00	2.045E-01	1.023E-03	3.292E-04	3.292E-04	3.292E-04	2.385E-01	1.199E-03	0.000E+00	0.000E+00	0.000E+00	7.837E-01	3.939E-03	0.000E+00	0.000E+00	0.000E+00	2.177E-04	1.094E-06	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	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	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	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	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	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
0600 - 0700	4.672E+00	2.351E-02	8.899E-03	8.899E-03	9.344E-01	4.702E-03	1.778E-03	1.778E-03	1.778E-03	1.778E-03	4.742E+00	2.383E-02	0.000E+00	0.000E+00	0.000E+00	1.558E+01	7.829E-02	0.000E+00	0.000E+00	0.000E+00	4.328E-03	2.175E-05	0.000E+00	0.000E+00	0.000E+00
0700 - 0800	3.681E+00	1.852E-02	5.926E-03	5.926E-03	7.362E-01	3.704E-03	1.185E-03	1.185E-03	1.185E-03	1.185E-03	8.586E-01	4.315E-03	0.000E+00	0.000E+00	0.000E+00	2.821E+00	1.418E-02	0.000E+00	0.000E+00	0.000E+00	7.837E-04	3.939E-06	0.000E+00	0.000E+00	0.000E+00
0800 - 0900	4.704E+00	2.367E-02	7.572E-03	7.572E-03	9.407E-01	4.733E-03	1.514E-03	1.514E-03	1.514E-03	1.514E-03	1.097E+00	5.514E-03	0.000E+00	0.000E+00	0.000E+00	3.605E+00	1.812E-02	0.000E+00	0.000E+00	0.000E+00	1.001E-03	5.033E-06	0.000E+00	0.000E+00	0.000E+00
0900 - 1000	5.113E+00	2.572E-02	8.231E-03	8.231E-03	1.023E+00	5.145E-03	1.646E-03	1.646E-03	1.646E-03	1.646E-03	1.193E+00	5.994E-03	0.000E+00	0.000E+00	0.000E+00	3.918E+00	1.969E-02	0.000E+00	0.000E+00	0.000E+00	1.088E-03	5.470E-06	0.000E+00	0.000E+00	0.000E+00
1000 - 1100	5.113E+00	2.572E-02	8.231E-03	8.231E-03	1.023E+00	5.145E-03	1.646E-03	1.646E-03	1.646E-																

**Kwai Hau Street (Minibus, ID12)**

**Running Emission**

Average Travelling Distance within PTI =	70	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 <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	RSP	FSP	TSP
0000 - 0100	6	6.659E-01	1.619E-01	4.290E-02	3.940E-02		2.797E-01	6.800E-02	1.802E-02	1.655E-02	
0100 - 0200	0	6.659E-01	1.619E-01	4.290E-02	3.940E-02		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0200 - 0300	0	6.659E-01	1.619E-01	4.290E-02	3.940E-02		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0300 - 0400	0	6.659E-01	1.619E-01	4.290E-02	3.940E-02		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0400 - 0500	0	6.659E-01	1.619E-01	4.290E-02	3.940E-02		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0500 - 0600	0	6.659E-01	1.619E-01	4.290E-02	3.940E-02		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0600 - 0700	30	6.659E-01	1.619E-01	4.290E-02	3.940E-02		1.398E+00	3.400E-01	9.009E-02	8.274E-02	
0700 - 0800	23	6.659E-01	1.619E-01	4.290E-02	3.940E-02		1.072E+00	2.607E-01	6.907E-02	6.343E-02	
0800 - 0900	30	6.659E-01	1.619E-01	4.290E-02	3.940E-02		1.398E+00	3.400E-01	9.009E-02	8.274E-02	
0900 - 1000	33	6.659E-01	1.619E-01	4.290E-02	3.940E-02		1.538E+00	3.740E-01	9.910E-02	9.101E-02	
1000 - 1100	33	6.659E-01	1.619E-01	4.290E-02	3.940E-02		1.538E+00	3.740E-01	9.910E-02	9.101E-02	
1100 - 1200	33	6.659E-01	1.619E-01	4.290E-02	3.940E-02		1.538E+00	3.740E-01	9.910E-02	9.101E-02	
1200 - 1300	33	6.659E-01	1.619E-01	4.290E-02	3.940E-02		1.538E+00	3.740E-01	9.910E-02	9.101E-02	
1300 - 1400	33	6.659E-01	1.619E-01	4.290E-02	3.940E-02		1.538E+00	3.740E-01	9.910E-02	9.101E-02	
1400 - 1500	33	6.659E-01	1.619E-01	4.290E-02	3.940E-02		1.538E+00	3.740E-01	9.910E-02	9.101E-02	
1500 - 1600	33	6.659E-01	1.619E-01	4.290E-02	3.940E-02		1.538E+00	3.740E-01	9.910E-02	9.101E-02	
1600 - 1700	33	6.659E-01	1.619E-01	4.290E-02	3.940E-02		1.538E+00	3.740E-01	9.910E-02	9.101E-02	
1700 - 1800	33	6.659E-01	1.619E-01	4.290E-02	3.940E-02		1.538E+00	3.740E-01	9.910E-02	9.101E-02	
1800 - 1900	31	6.659E-01	1.619E-01	4.290E-02	3.940E-02		1.445E+00	3.513E-01	9.309E-02	8.550E-02	
1900 - 2000	29	6.659E-01	1.619E-01	4.290E-02	3.940E-02		1.352E+00	3.287E-01	8.709E-02	7.998E-02	
2000 - 2100	26	6.659E-01	1.619E-01	4.290E-02	3.940E-02		1.212E+00	2.947E-01	7.808E-02	7.171E-02	
2100 - 2200	23	6.659E-01	1.619E-01	4.290E-02	3.940E-02		1.072E+00	2.607E-01	6.907E-02	6.343E-02	
2200 - 2300	23	6.659E-01	1.619E-01	4.290E-02	3.940E-02		1.072E+00	2.607E-01	6.907E-02	6.343E-02	
2300 - 2400	18	6.659E-01	1.619E-01	4.290E-02	3.940E-02		8.390E-01	2.040E-01	5.405E-02	4.964E-02	

**Idling Emission**

No. of PLB (Diesel) to No. of PLB (LPG) Ratio <sup>(1)</sup> =	6.5	
Idling Time for Non-terminating Public Light Buses =	5	min

Hour	Frequency	Public Light Bus (Diesel)										Public Light Bus (LPG)										
		Hot Idling Emission Factor (g/min)					Hot Idling Emission (g)					Hot Idling Emission Factor (g/min)					Hot Idling Emission (g)					
		NO	NO <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	RSP	FSP	TSP	
0000 - 0100	1	2.159E-02	8.395E-03	4.333E-04	4.333E-04		9.365E-02	3.641E-02	1.879E-03	1.879E-03		0	3.084E-01	1.552E-03	4.965E-04	4.965E-04		2.045E-01	1.029E-03	3.292E-04	3.292E-04	
0100 - 0200	0	2.159E-02	8.395E-03	4.333E-04	4.333E-04		0.000E+00	0.000E+00	0.000E+00	0.000E+00		0	3.084E-01	1.552E-03	4.965E-04	4.965E-04		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0200 - 0300	0	2.159E-02	8.395E-03	4.333E-04	4.333E-04		0.000E+00	0.000E+00	0.000E+00	0.000E+00		0	3.084E-01	1.552E-03	4.965E-04	4.965E-04		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0300 - 0400	0	2.159E-02	8.395E-03	4.333E-04	4.333E-04		0.000E+00	0.000E+00	0.000E+00	0.000E+00		0	3.084E-01	1.552E-03	4.965E-04	4.965E-04		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0400 - 0500	0	2.159E-02	8.395E-03	4.333E-04	4.333E-04		0.000E+00	0.000E+00	0.000E+00	0.000E+00		0	3.084E-01	1.552E-03	4.965E-04	4.965E-04		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0500 - 0600	0	2.159E-02	8.395E-03	4.333E-04	4.333E-04		0.000E+00	0.000E+00	0.000E+00	0.000E+00		0	3.084E-01	1.552E-03	4.965E-04	4.965E-04		0.000E+00	0.000E+00	0.000E+00	0.000E+00	
0600 - 0700	3	2.159E-02	8.395E-03	4.333E-04	4.333E-04		2.809E-01	1.092E-01	5.639E-03	5.639E-03		0	3.084E-01	1.552E-03	4.965E-04	4.965E-04		6.135E-01	3.087E-03	9.877E-04	9.877E-04	
0700 - 0800	4	2.159E-02	8.395E-03	4.333E-04	4.333E-04		4.682E-01	1.820E-01	9.397E-03	9.397E-03		1	3.084E-01	1.552E-03	4.965E-04	4.965E-04		1.023E+00	5.145E-03	1.646E-03	1.646E-03	
0800 - 0900	6	2.159E-02	8.395E-03	4.333E-04	4.333E-04		6.555E-01	2.549E-01	1.316E-02	1.316E-02		1	3.084E-01	1.552E-03	4.965E-04	4.965E-04		1.432E+00	7.203E-03	2.305E-03	2.305E-03	
0900 - 1000	7	2.159E-02	8.395E-03	4.333E-04	4.333E-04		7.492E-01	2.913E-01	1.503E-02	1.503E-02		1	3.084E-01	1.552E-03	4.965E-04	4.965E-04		1.636E+00	8.232E-03	2.634E-03	2.634E-03	
1000 - 1100	7	2.159E-02	8.395E-03	4.333E-04	4.333E-04		7.492E-01	2.913E-01	1.503E-02	1.503E-02		1	3.084E-01	1.552E-03	4.965E-04	4.965E-04		1.636E+00	8.232E-03	2.634E-03	2.634E-03	
1100 - 1200	7	2.159E-02	8.395E-03	4.333E-04	4.333E-04		7.492E-01	2.913E-01	1.503E-02	1.503E-02		1	3.084E-01	1.552E-03	4.965E-04	4.965E-04		1.636E+00	8.232E-03	2.634E-03	2.634E-03	
1200 - 1300	7	2.159E-02	8.395E-03	4.333E-04	4.333E-04		7.492E-01	2.913E-01	1.503E-02	1.503E-02		1	3.084E-01	1.552E-03	4.965E-04	4.965E-04		1.636E+00	8.232E-03	2.634E-03	2.634E-03	
1300 - 1400	7	2.159E-02	8.395E-03	4.333E-04	4.333E-04		7.492E-01	2.913E-01	1.503E-02	1.503E-02		1	3.084E-01	1.552E-03	4.965E-04	4.965E-04		1.636E+00	8.232E-03	2.634E-03	2.634E-03	
1400 - 1500	7	2.159E-02	8.395E-03	4.333E-04	4.333E-04		7.492E-01	2.913E-01	1.503E-02	1.503E-02		1	3.084E-01	1.552E-03	4.965E-04	4.965E-04		1.636E+00	8.232E-03	2.634E-03	2.634E-03	
1500 - 1600	7	2.159E-02	8.395E-03	4.333E-04	4.333E-04		7.492E-01	2.913E-01	1.503E-02	1.503E-02		1	3.084E-01	1.552E-03	4.965E-04	4.965E-04		1.636E+00	8.232E-03	2.634E-03	2.634E-03	
1600 - 1700	7	2.159E-02	8.395E-03	4.333E-04	4.333E-04		7.492E-01	2.913E-01	1.503E-02	1.503E-02		1	3.084E-01	1.552E-03	4.965E-04	4.965E-04		1.636E+00	8.232E-03	2.634E-03	2.634E-03	
1700 - 1800	7	2.159E-02	8.395E-03	4.333E-04	4.333E-04		7.492E-01	2.913E-01	1.503E-02	1.503E-02		1	3.084E-01	1.552E-03	4.965E-04	4.965E-04		1.636E+00	8.232E-03	2.634E-03	2.634E-03	
1800 - 1900	6	2.159E-02	8.395E-03	4.333E-04	4.333E-04		6.555E-01	2.549E-01	1.316E-02	1.316E-02		1	3.084E-01	1.552E-03	4.965E-04	4.965E-04		1.432E+00	7.203E-03	2.305E-03	2.305E-03	
1900 - 2000	6	2.159E-02	8.395E-03	4.333E-04	4.333E-04		6.555E-01	2.549E-01	1.316E-02	1.316E-02		1	3.084E-01	1.552E-03	4.965E-04	4.965E-04		1.432E+00	7.203E-03	2.305E-03	2.305E-03	
2000 - 2100	5	2.159E-02	8.395E-03	4.333E-04	4.333E-04		5.619E-01	2.185E-01	1.128E-02	1.128E-02		1	3.084E-01	1.552E-03	4.965E-04	4.965E-04		1.227E+00	6.174E-03	1.975E-03	1.975E-03	
2100 - 2200	4	2.159E-02	8.395E-03	4.333E-04	4.333E-04		4.682E-01	1.820E-01	9.397E-03	9.397E-03		1	3.084E-01	1.552E-03	4.965E-04	4.965E-04		1.023E+00	5.145E-03	1.646E-03	1.646E-03	
2200 - 2300	4	2.159E-02	8.395E-03	4.333E-04	4.333E-04		4.682E-01	1.820E-01	9.397E-03	9.397E-03		1	3.084E-01	1.552E-03	4.965E-04	4.965E-04		1.023E+00	5.145E-03	1.646E-03	1.646E-03	
2300 - 2400	3	2.159E-02	8.395E-03	4.333E-04	4.333E-04		3.746E-01	1.466E-01	7.517E-03	7.517E-03		1	3.084E-01	1.552E-03	4.965E-04	4.965E-04		8.180E-01	4.116E-03	1.317E-03	1.317E-03	

**Kwai Hau Street (Minibus, ID12)**

**Total Hourly Emission**

Hour	Emission Within PTI									
	Total Emission (g) (Running + Idling + Starting)					Total Emission Rate (g/s)				
	NO	NO <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	RSP	FSP	TSP
0000 - 0100	3.201E+00	3.407E-01	3.127E-02	2.980E-02		8.893E-04	9.464E-05	8.686E-06	8.278E-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	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	5.015E+01	9.468E+00	1.563E-01	1.490E-01		1.393E-02	2.630E-03	4.343E-05	4.139E-05	
0700 - 0800	1.201E+01	1.295E+00	1.199E-01	1.142E-01		3.335E-03	3.597E-04	3.330E-05	3.173E-05	
0800 - 0900	1.555E+01	1.684E+00	1.563E-01	1.490E-01		4.320E-03	4.679E-04	4.343E-05	4.139E-05	
0900 - 1000	1.704E+01	1.850E+00	1.720E-01	1.639E-01		4.734E-03	5.139E-04	4.777E-05	4.553E-05	
1000 - 1100	1.704E+01	1.850E+00	1.720E-01	1.639E-01		4.734E-03	5.139E-04	4.777E-05	4.553E-05	
1100 - 1200	1.704E+01	1.850E+00	1.720E-01	1.639E-01		4.734E-03	5.139E-04	4.777E-05	4.553E-05	
1200 - 1300	1.704E+01	1.850E+00	1.720E-01	1.639E-01		4.734E-03	5.139E-04	4.777E-05	4.553E-05	
1300 - 1400	1.704E+01	1.850E+00	1.720E-01	1.639E-01		4.734E-03	5.139E-04	4.777E-05	4.553E-05	
1400 - 1500	1.704E+01	1.850E+00	1.720E-01	1.639E-01		4.734E-03	5.139E-04	4.777E-05	4.553E-05	
1500 - 1600	1.704E+01	1.850E+00	1.720E-01	1.639E-01		4.734E-03	5.139E-04	4.777E-05	4.553E-05	
1600 - 1700	1.704E+01	1.850E+00	1.720E-01	1.639E-01		4.734E-03	5.139E-04	4.777E-05	4.553E-05	
1700 - 1800	1.704E+01	1.850E+00	1.720E-01	1.639E-01		4.734E-03	5.139E-04	4.777E-05	4.553E-05	
1800 - 1900	1.612E+01	1.743E+00	1.616E-01	1.540E-01		4.479E-03	4.841E-04	4.488E-05	4.277E-05	
1900 - 2000	1.498E+01	1.626E+00	1.511E-01	1.440E-01		4.162E-03	4.517E-04	4.198E-05	4.001E-05	
2000 - 2100	1.349E+01	1.460E+00	1.355E-01	1.291E-01		3.749E-03	4.057E-04	3.764E-05	3.587E-05	
2100 - 2200	1.201E+01	1.295E+00	1.199E-01	1.142E-01		3.335E-03	3.597E-04	3.330E-05	3.173E-05	
2200 - 2300	1.201E+01	1.295E+00	1.199E-01	1.142E-01		3.335E-03	3.597E-04	3.330E-05	3.173E-05	
2300 - 2400	9.377E+00	1.013E+00	9.381E-02	8.940E-02		2.605E-03	2.813E-04	2.606E-05	2.483E-05	

Emission Inventory of AERMOD Model – Starting Emission from Tsuen Wan Plaza Carpark

Activity	Source	Type	X	Y	Release Height	Syinit	Szinit	Max. Hourly Emission Rate			
	ID		(m)	(m)	(mAG)	(m)	(m)	NO	NO <sub>2</sub>	RSP	FSP
	(g/s) or (g/m <sup>2</sup> /s)										
Tsuen Wan Plaza Carpark	TP01	VOLUME	829536.4	825779.4	5.00	0.47	0.47	5.151E-04	2.711E-05	6.893E-05	6.387E-05
	TP02	VOLUME	829535.5	825779.9	5.00	0.47	0.47	5.151E-04	2.711E-05	6.893E-05	6.387E-05
	TP03	VOLUME	829534.6	825780.4	5.00	0.47	0.47	5.151E-04	2.711E-05	6.893E-05	6.387E-05
	TP04	VOLUME	829533.8	825780.9	5.00	0.47	0.47	5.151E-04	2.711E-05	6.893E-05	6.387E-05





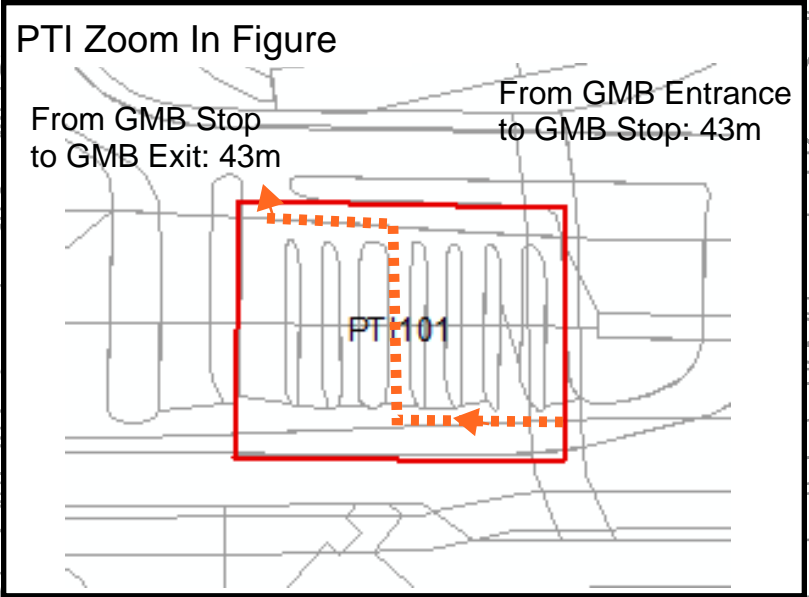
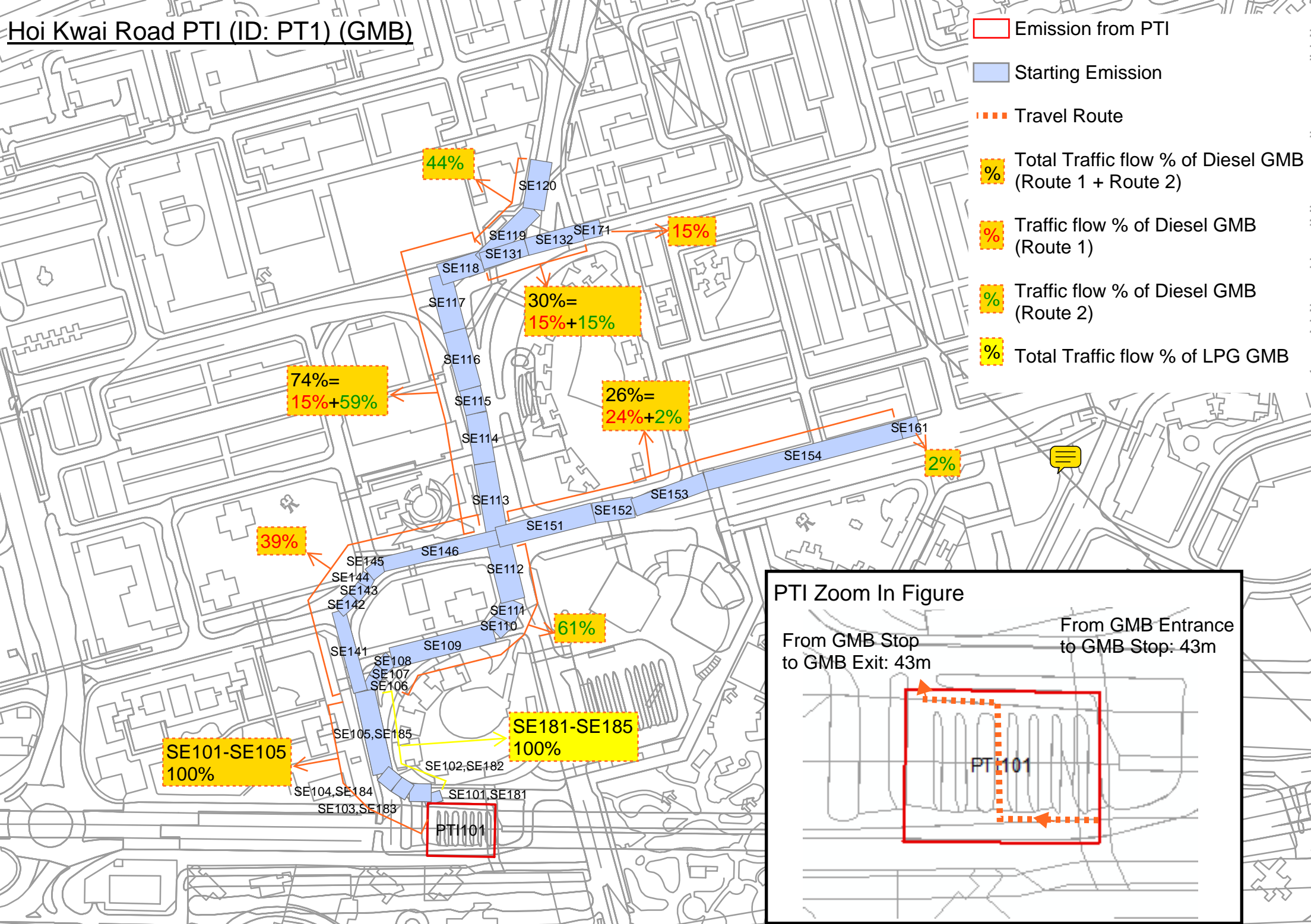
**Tsuen Wan Plaza Carpark**

**Total Hourly Emission**

Hour	Emission Within Parking Site									
	Total Emission (g) (Running + Starting)					Total Emission Rate (g/s)				
	NO	NO <sub>2</sub>	RSP	FSP	TSP	NO	NO <sub>2</sub>	RSP	FSP	TSP
0000 - 0100	1.167E-01	6.174E-03	2.655E-02	2.463E-02		3.241E-05	1.715E-06	7.376E-06	6.842E-06	
0100 - 0200	1.779E-01	9.362E-03	3.978E-02	3.689E-02		4.943E-05	2.600E-06	1.105E-05	1.025E-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	1.718E-01	9.062E-03	3.988E-02	3.699E-02		4.773E-05	2.517E-06	1.108E-05	1.028E-05	
0400 - 0500	5.515E-02	2.887E-03	1.333E-02	1.236E-02		1.532E-05	8.020E-07	3.702E-06	3.435E-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	5.515E-02	2.887E-03	1.333E-02	1.236E-02		1.532E-05	8.020E-07	3.702E-06	3.435E-06	
0700 - 0800	1.167E-01	6.174E-03	2.655E-02	2.463E-02		3.241E-05	1.715E-06	7.376E-06	6.842E-06	
0800 - 0900	1.654E-01	8.662E-03	3.998E-02	3.709E-02		4.596E-05	2.406E-06	1.111E-05	1.030E-05	
0900 - 1000	2.206E-01	1.155E-02	5.331E-02	4.946E-02		6.127E-05	3.208E-06	1.481E-05	1.374E-05	
1000 - 1100	2.629E-01	1.385E-02	5.131E-02	4.756E-02		7.302E-05	3.847E-06	1.425E-05	1.321E-05	
1100 - 1200	1.416E+00	7.453E-02	1.909E-01	1.770E-01		3.934E-04	2.070E-05	5.302E-05	4.916E-05	
1200 - 1300	3.599E+00	1.898E-01	4.821E-01	4.467E-01		9.998E-04	5.272E-05	1.339E-04	1.241E-04	
1300 - 1400	5.415E+00	2.851E-01	6.975E-01	6.465E-01		1.504E-03	7.918E-05	1.938E-04	1.796E-04	
1400 - 1500	3.450E-01	1.832E-02	4.486E-02	4.169E-02		9.583E-05	5.090E-06	1.246E-05	1.158E-05	
1500 - 1600	2.220E+00	1.168E-01	3.140E-01	2.913E-01		6.166E-04	3.243E-05	8.723E-05	8.092E-05	
1600 - 1700	7.015E-02	3.687E-03	1.193E-02	1.106E-02		1.949E-05	1.024E-06	3.313E-06	3.074E-06	
1700 - 1800	2.697E+00	1.421E-01	3.646E-01	3.382E-01		7.492E-04	3.947E-05	1.013E-04	9.393E-05	
1800 - 1900	6.025E+00	3.178E-01	8.082E-01	7.488E-01		1.674E-03	8.827E-05	2.245E-04	2.080E-04	
1900 - 2000	7.418E+00	3.904E-01	9.926E-01	9.197E-01		2.060E-03	1.084E-04	2.757E-04	2.555E-04	
2000 - 2100	2.039E+00	1.068E-01	2.579E-01	2.394E-01		5.663E-04	2.966E-05	7.163E-05	6.649E-05	
2100 - 2200	1.774E-01	9.362E-03	3.298E-02	3.059E-02		4.929E-05	2.600E-06	9.162E-06	8.498E-06	
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	

# Hoi Kwai Road PTI (ID: PT1) (GMB)


- Emission from PTI
- Starting Emission
- Travel Route
- % Total Traffic flow % of Diesel GMB (Route 1 + Route 2)
- % Traffic flow % of Diesel GMB (Route 1)
- % Traffic flow % of Diesel GMB (Route 2)
- % Total Traffic flow % of LPG GMB





# Tsuen Wan West Station PTI (ID: PT2) (Bus + GMB)


 Traffic flow % of GMB

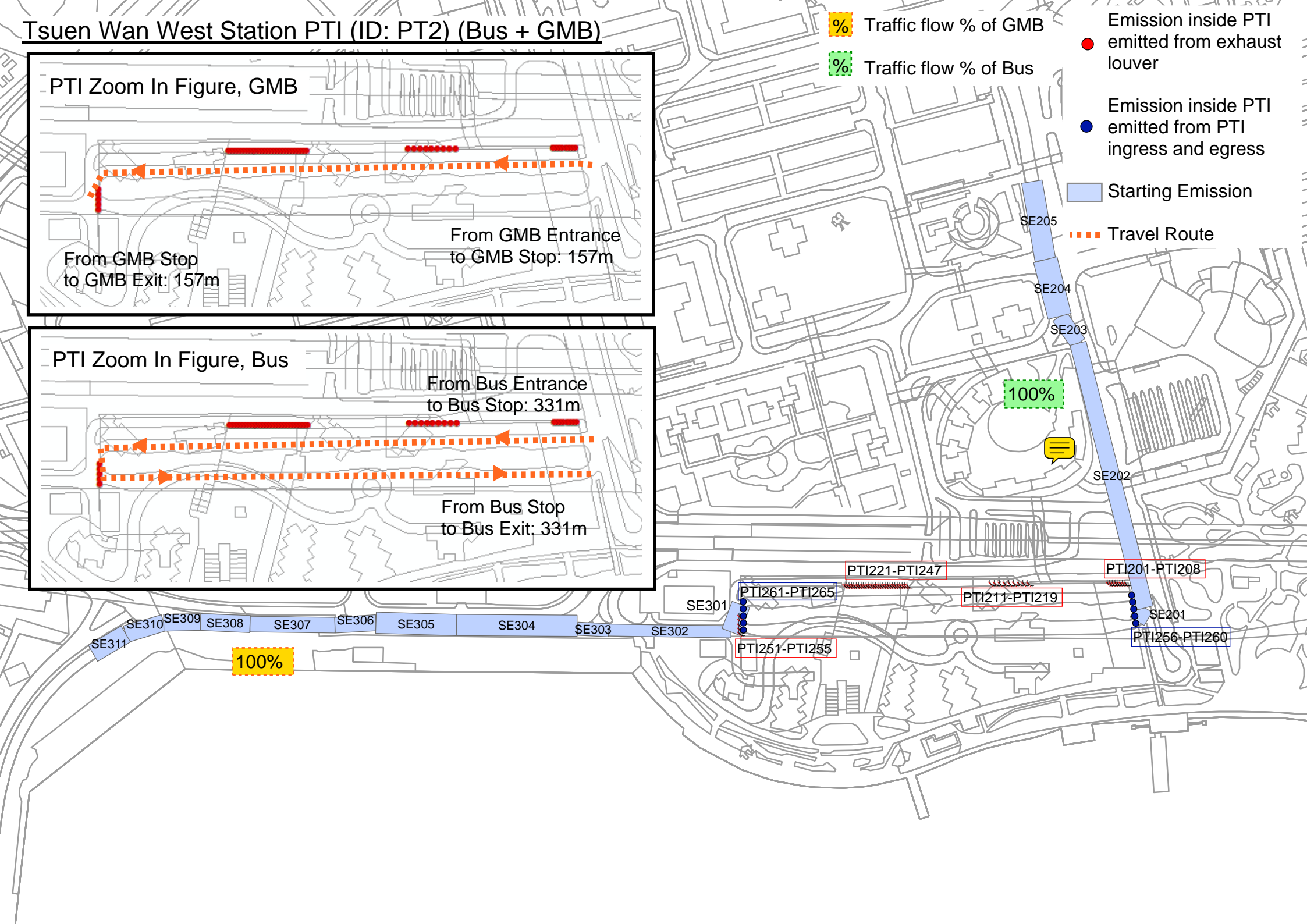
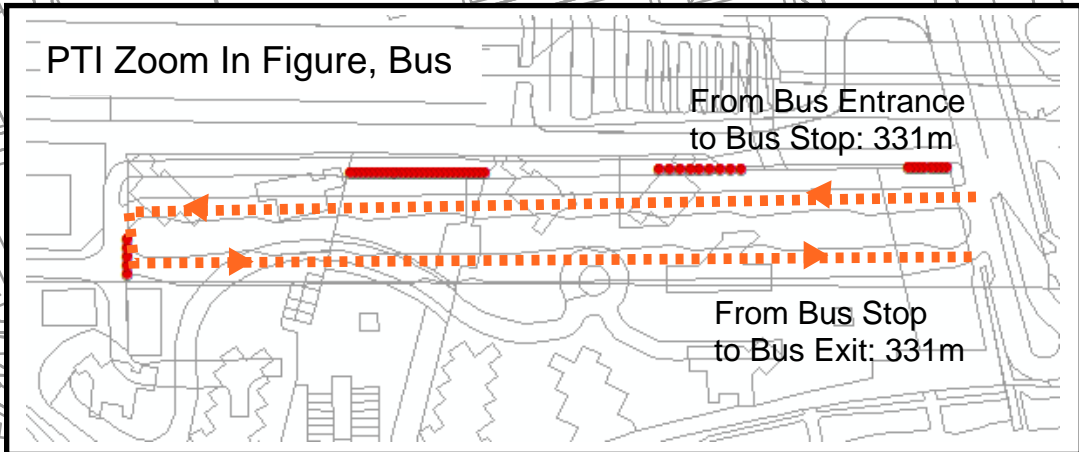
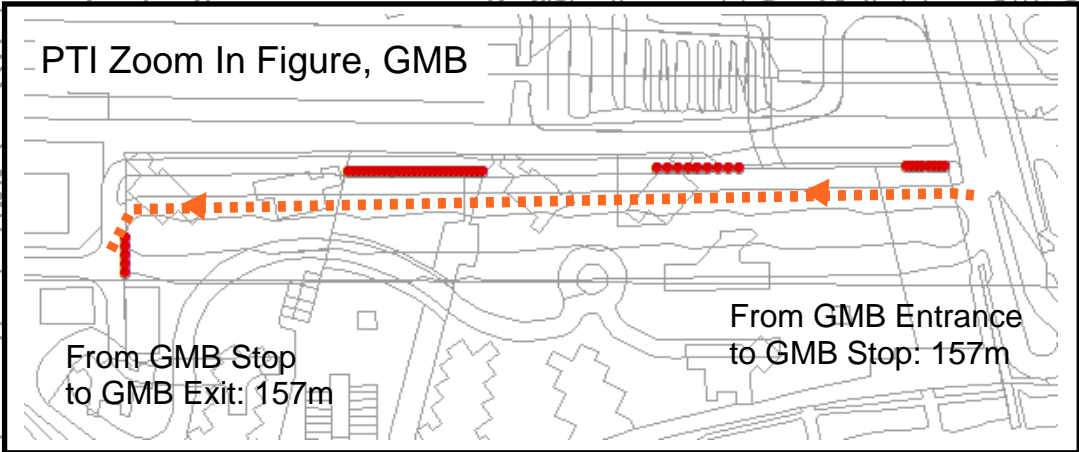
 Traffic flow % of Bus

Emission inside PTI  
 emitted from exhaust louver





Emission inside PTI  
 emitted from PTI ingress and egress

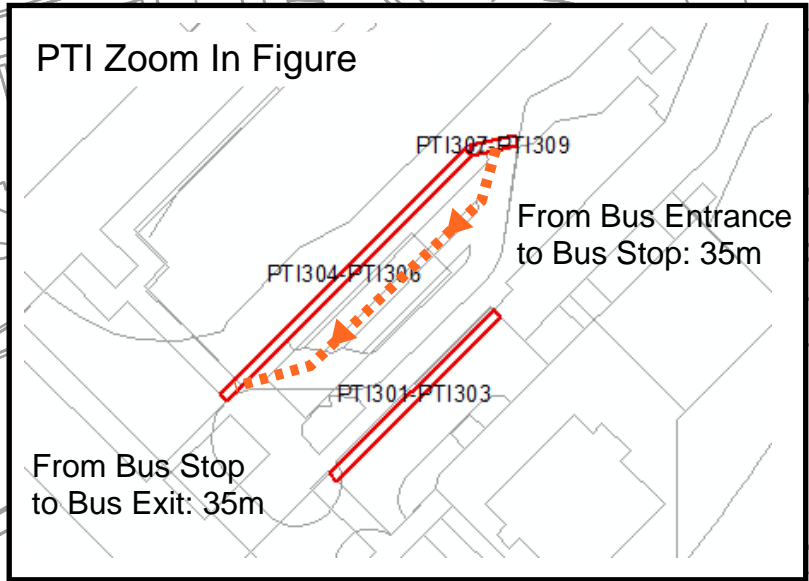
 Starting Emission

 Travel Route



# Kwai Shing Central Bus Terminus (ID: PT3) (Bus)

-  Emission from PTI
-  Starting Emission
-  Travel Route
-  Traffic flow % of Bus

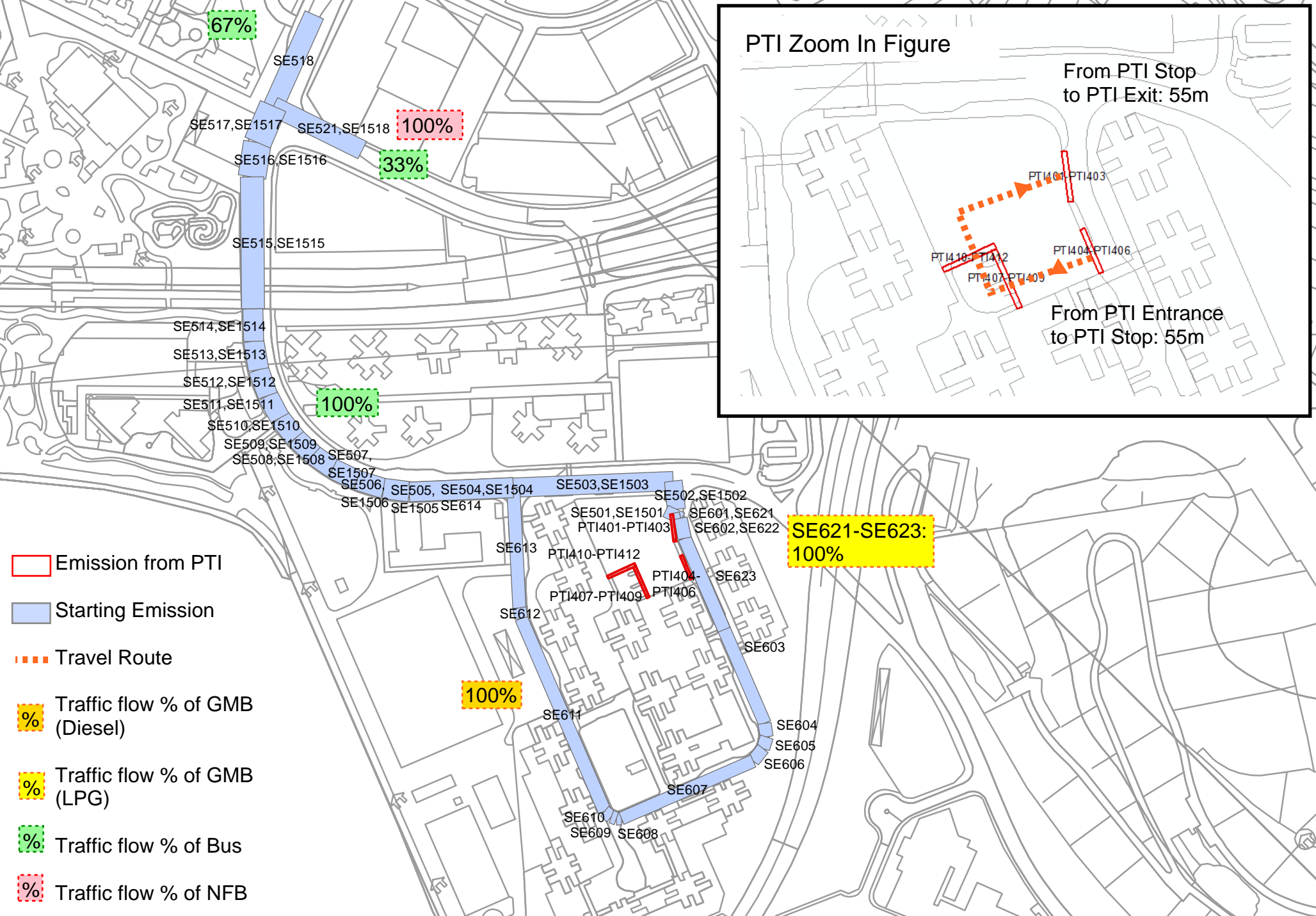


50%

50%

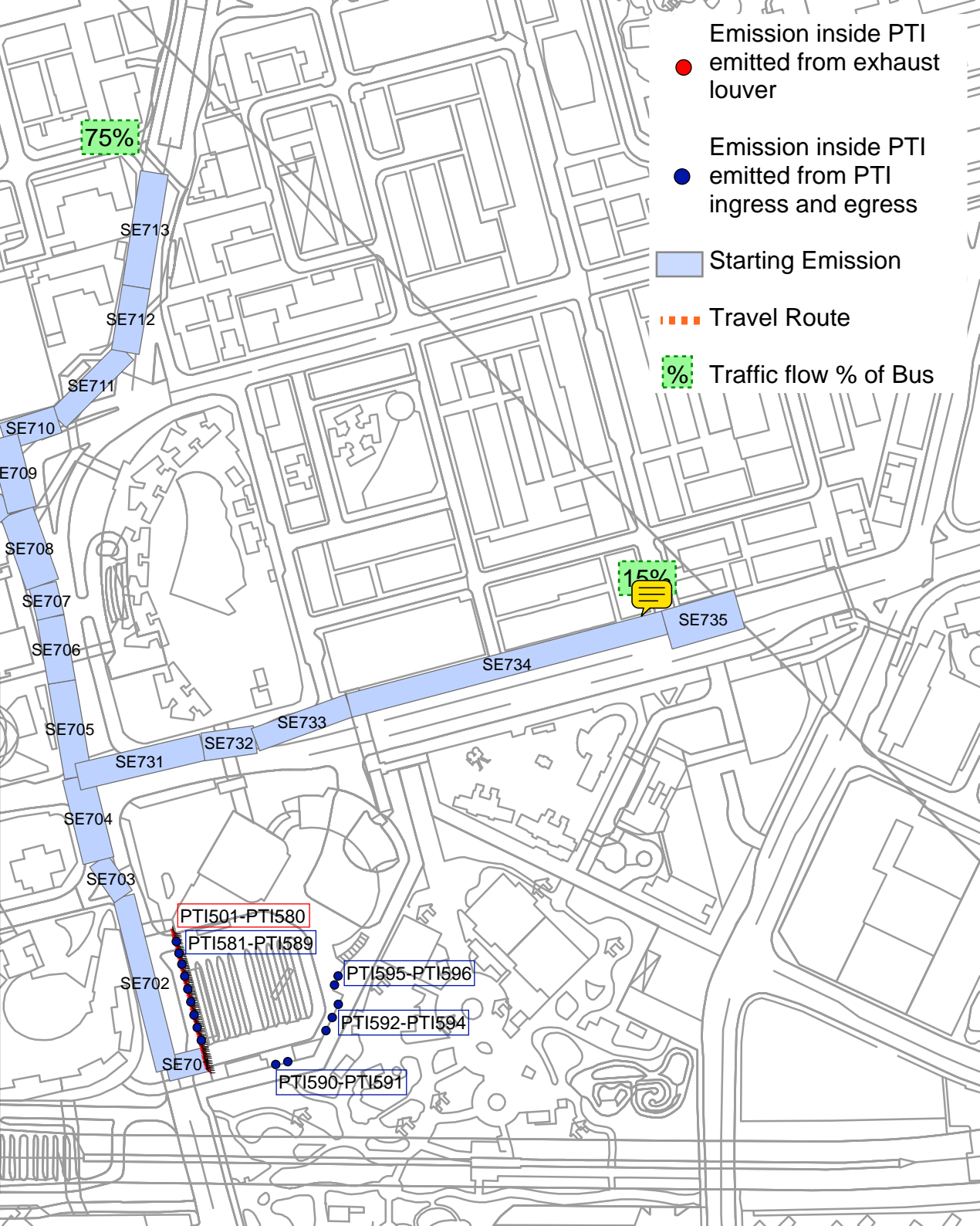
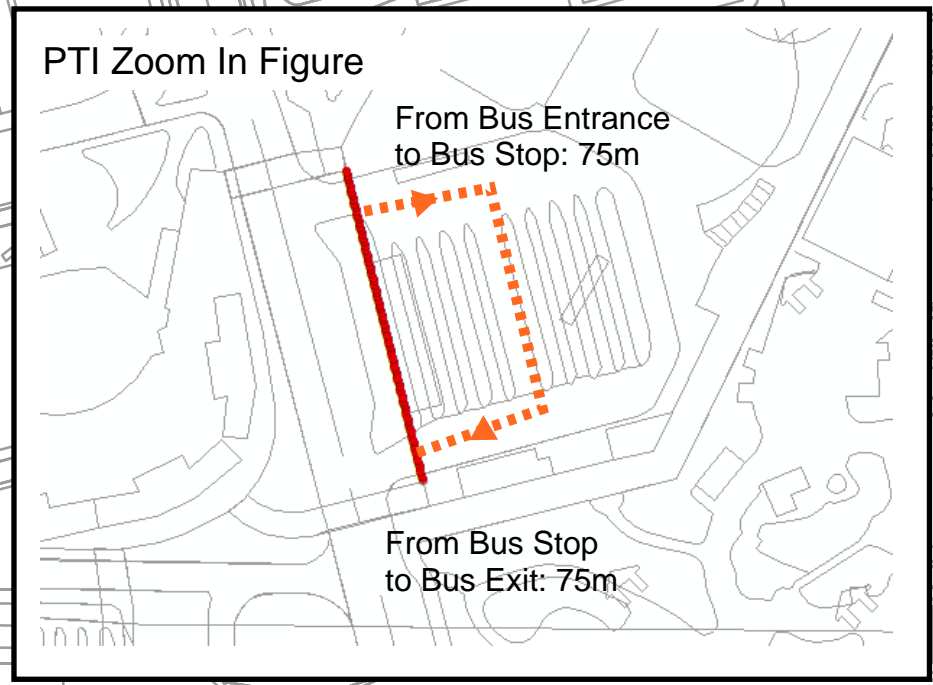


# Riviera Gardens PTI (ID: PT4) (Bus+GMB+NFB)





# Nina Tower Bus Terminus (ID: PT5) (Bus)


- Emission inside PTI  
● emitted from exhaust louver
- Emission inside PTI  
● emitted from PTI ingress and egress
- Starting Emission
- Travel Route
- Traffic flow % of Bus




# Kwai Fong Station Terminus (ID: PT6) (Bus)

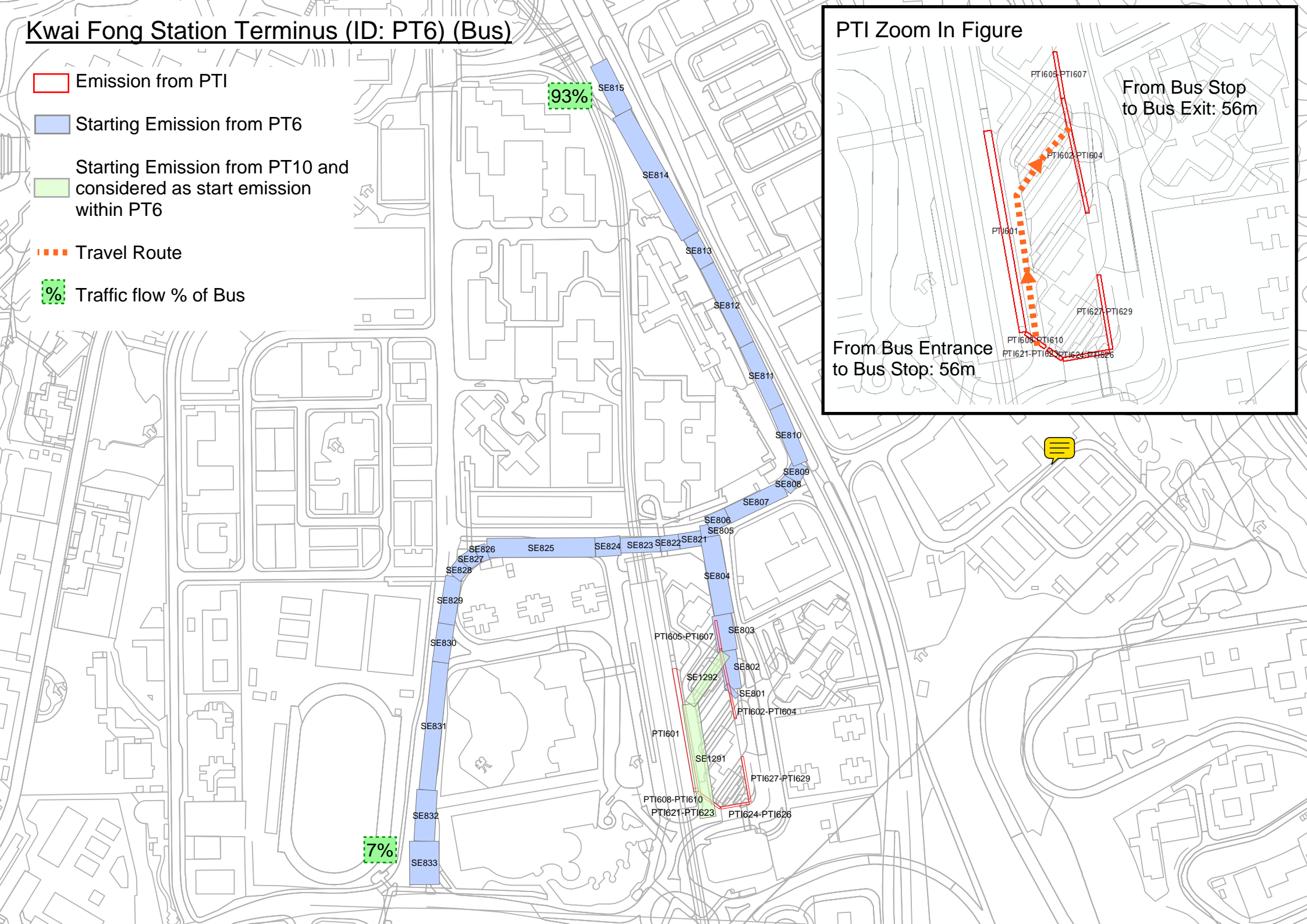
 Emission from PTI

 Starting Emission from PT6

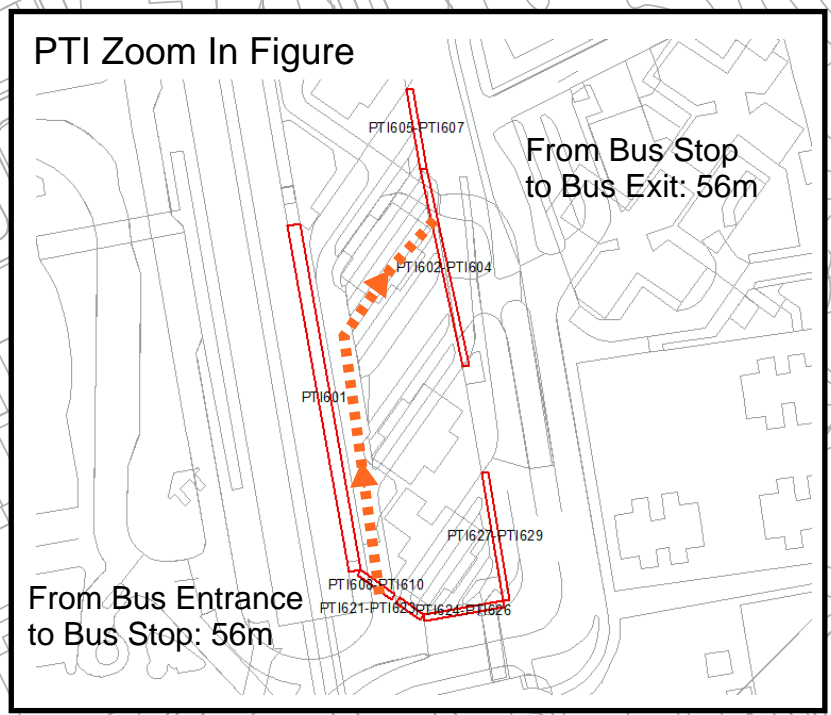
 Starting Emission from PT10 and considered as start emission within PT6

 Travel Route

 Traffic flow % of Bus







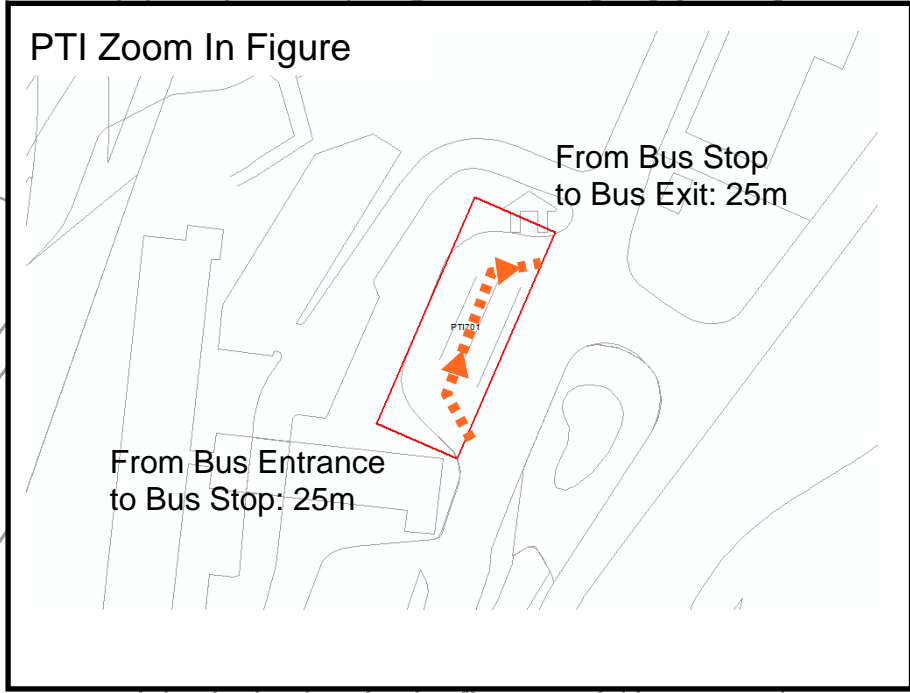
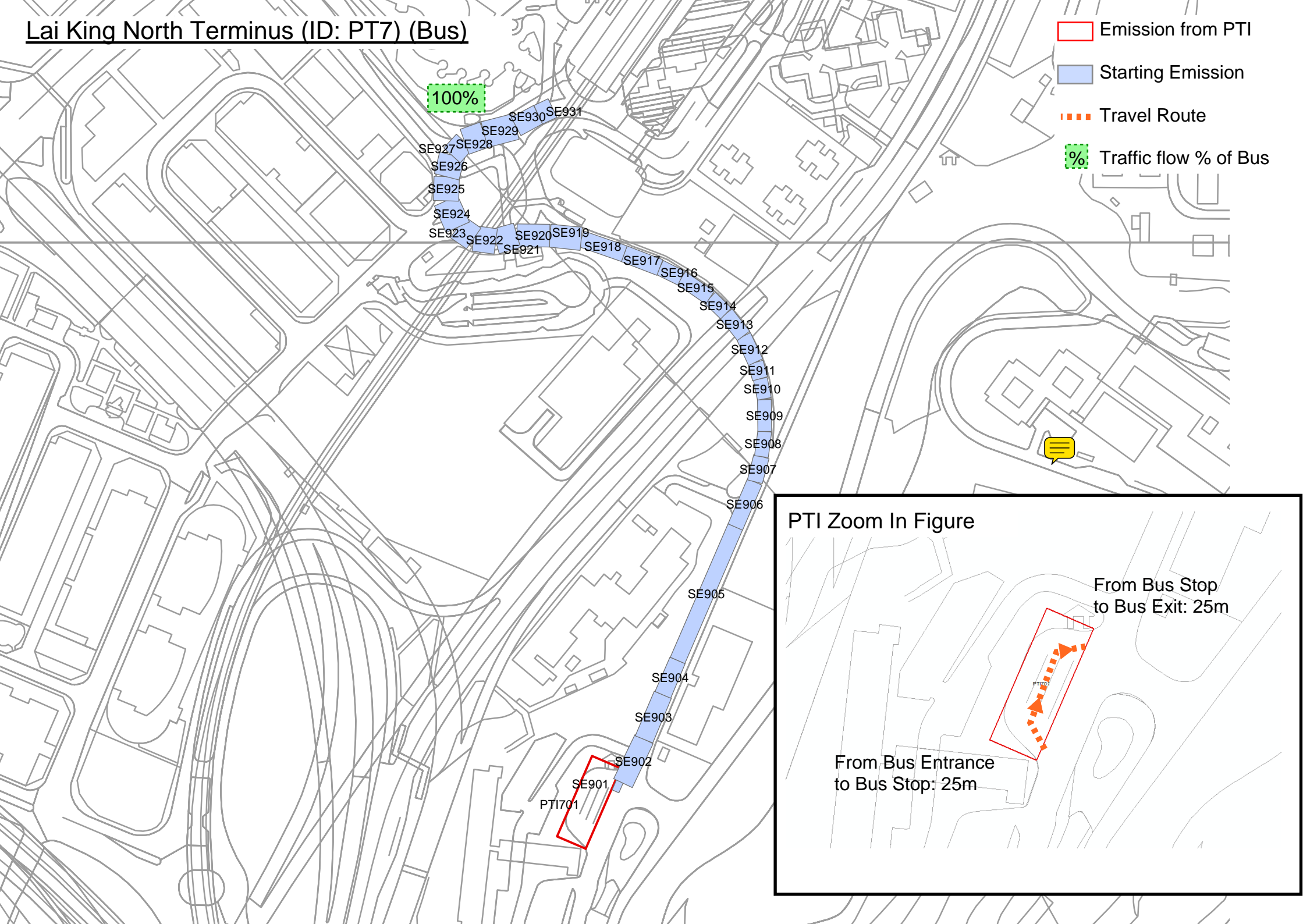
## PTI Zoom In Figure





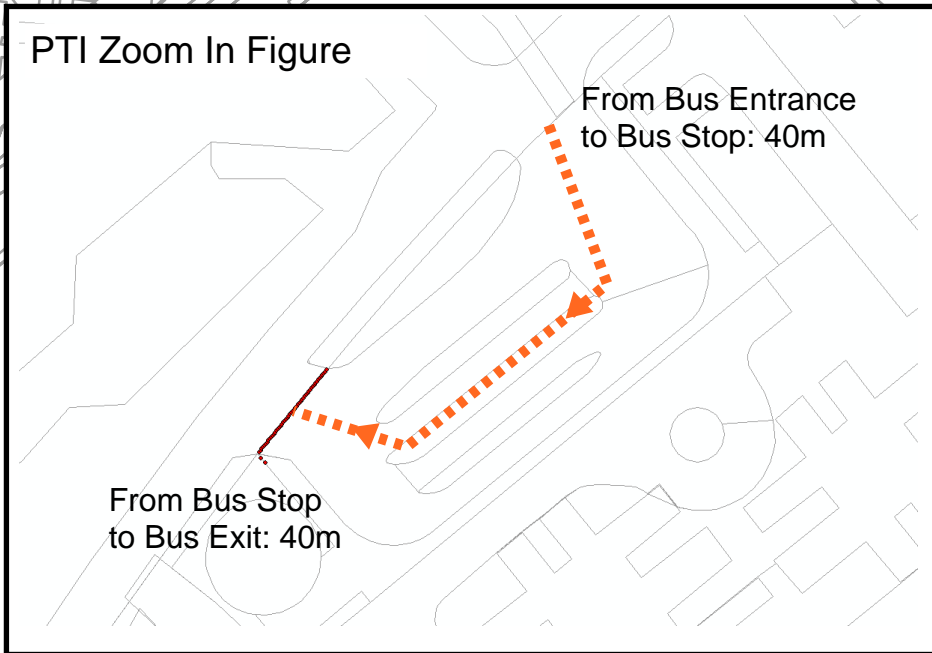
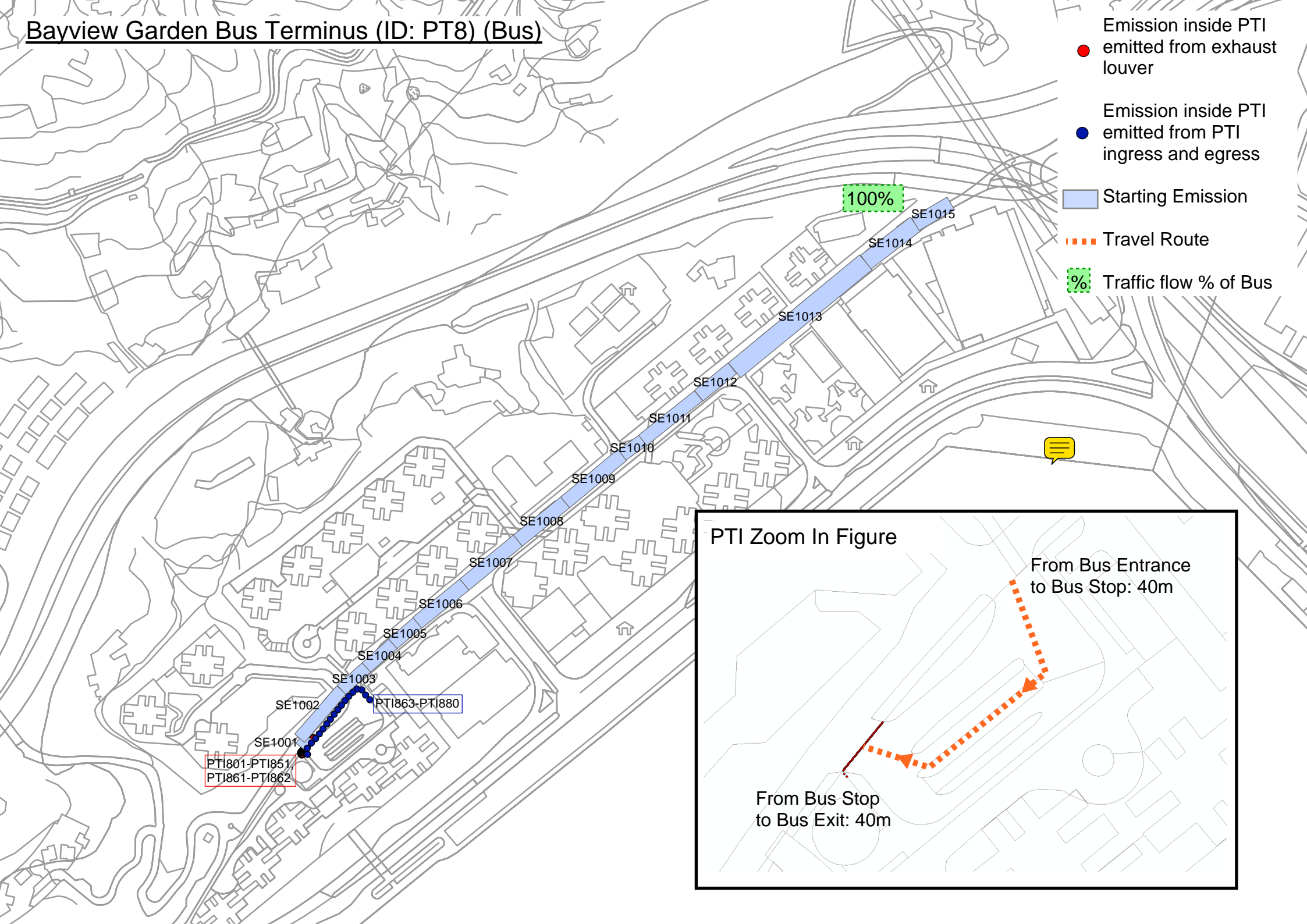
# Lai King North Terminus (ID: PT7) (Bus)

-  Emission from PTI
-  Starting Emission
-  Travel Route
-  Traffic flow % of Bus



# Bayview Garden Bus Terminus (ID: PT8) (Bus)

- Emission inside PTI emitted from exhaust louver
- Emission inside PTI emitted from PTI ingress and egress
- Starting Emission
- Travel Route
- Traffic flow % of Bus

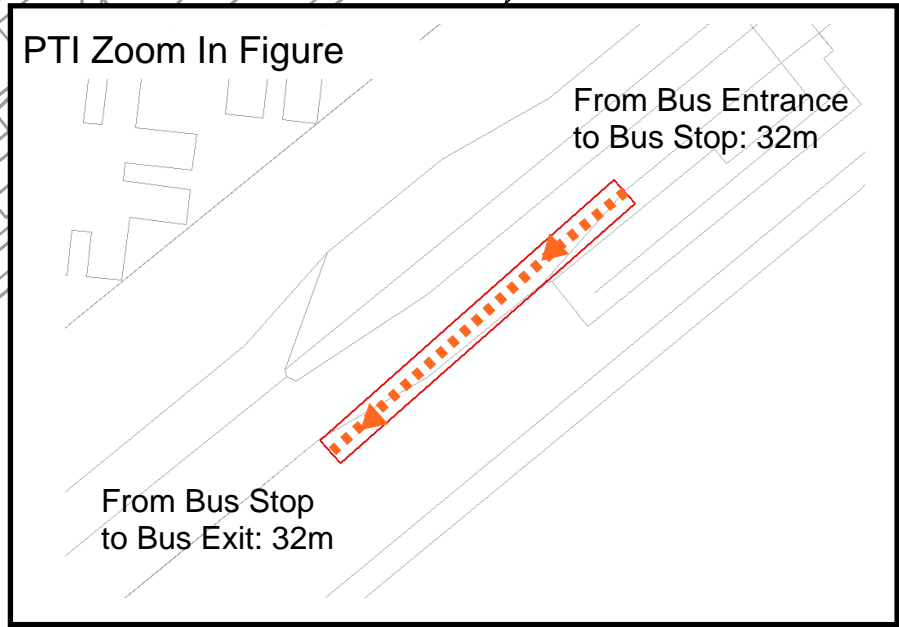
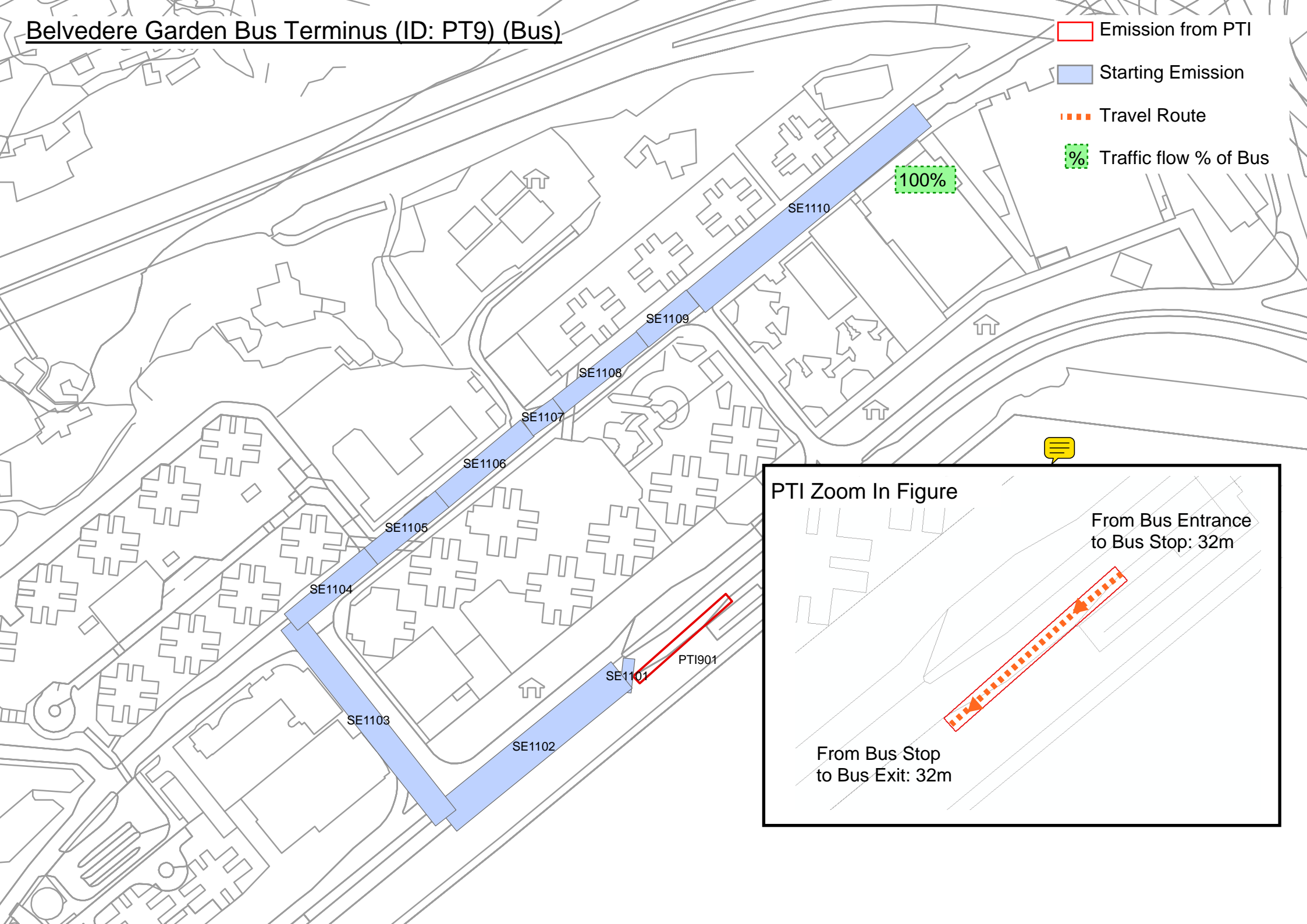


PTI801-PTI851  
PTI861-PTI862






PTI863-PTI880

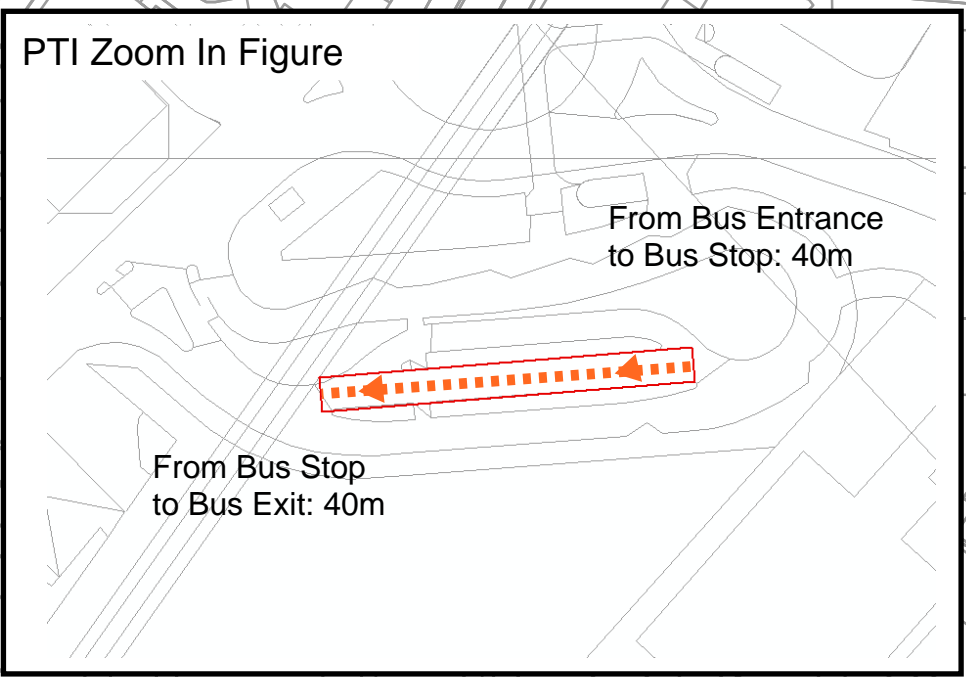
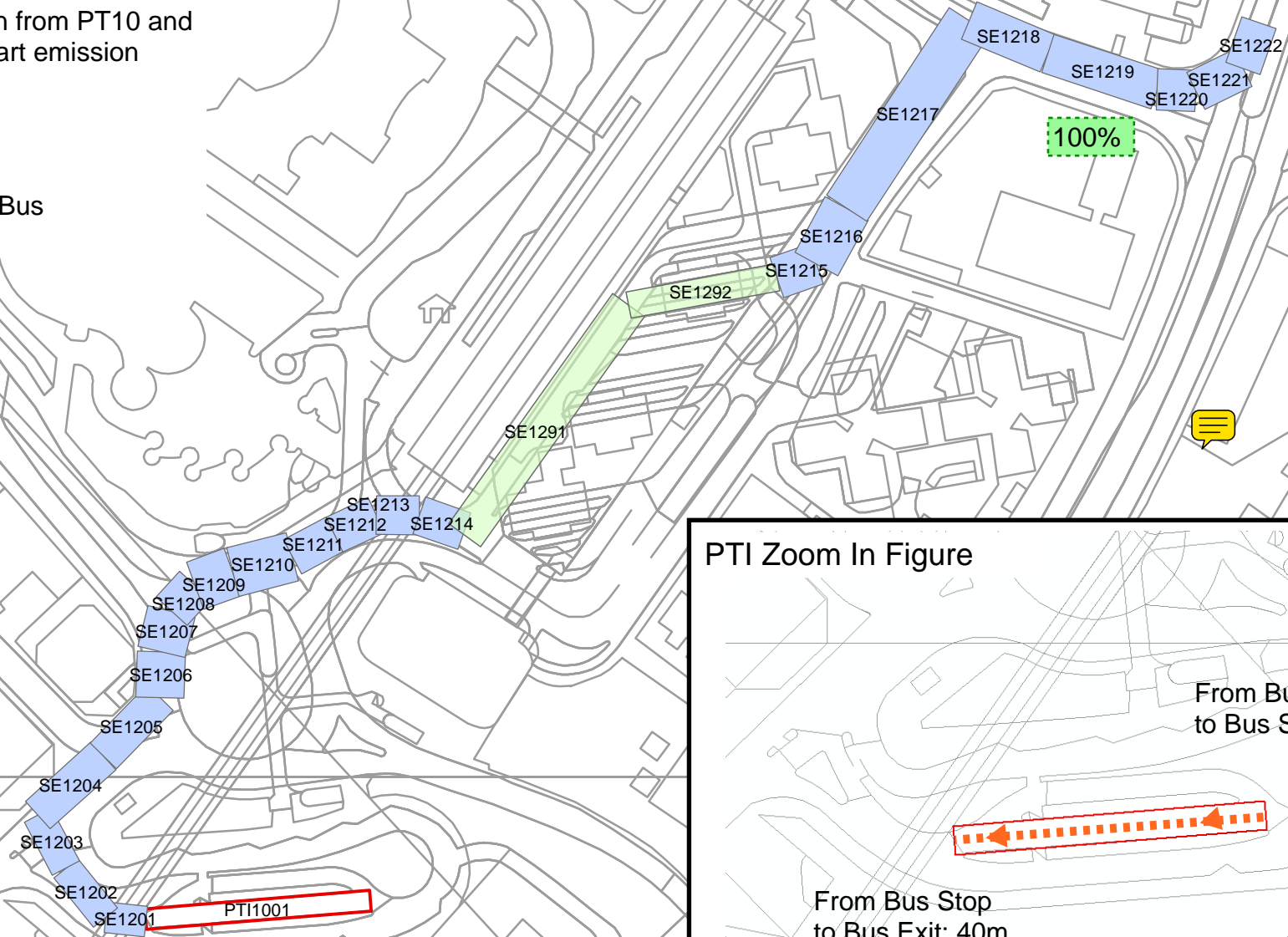
# Belvedere Garden Bus Terminus (ID: PT9) (Bus)

- Emission from PTI
- Starting Emission
- Travel Route
- Traffic flow % of Bus



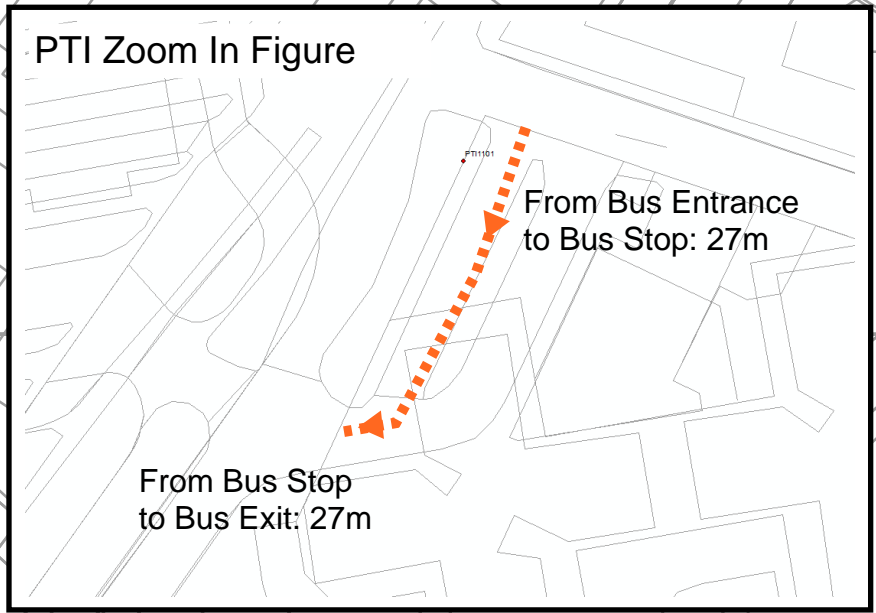
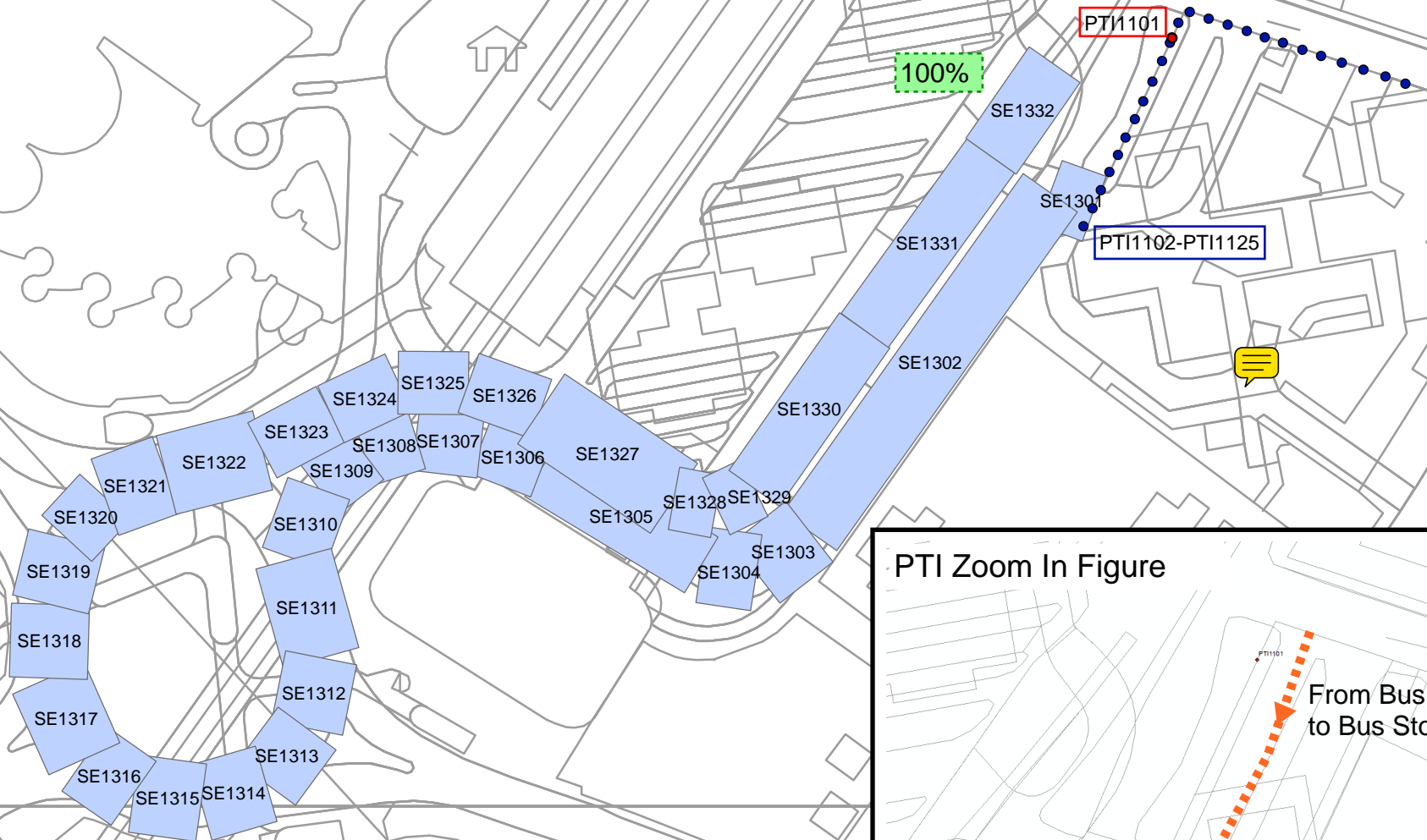
# Kwai Fong South Bus Terminus (ID: PT10) (Bus)

-  Emission from PTI
-  Starting Emission from PT10
-  Starting Emission from PT10 and considered as start emission within PT6
-  Travel Route
-  Traffic flow % of Bus







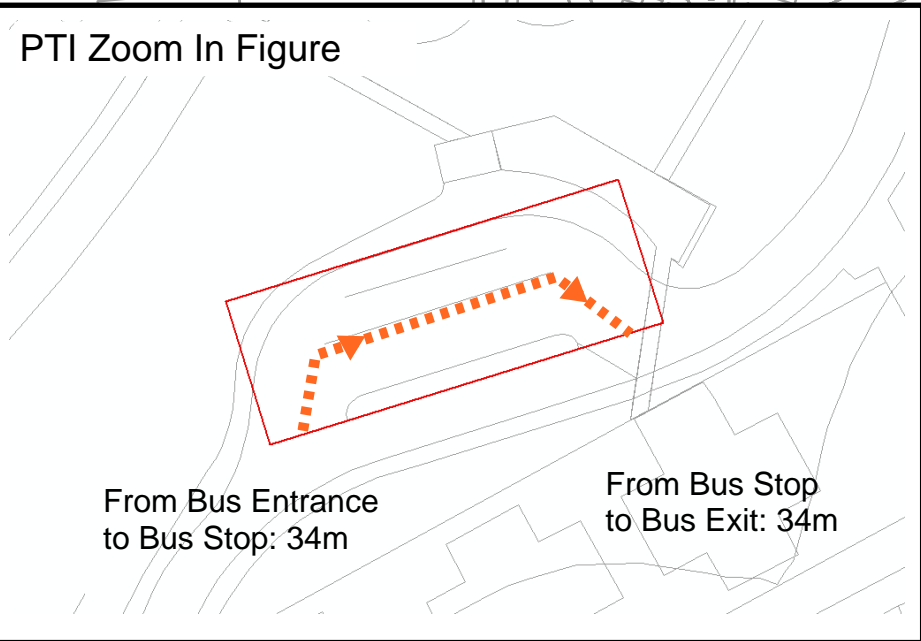
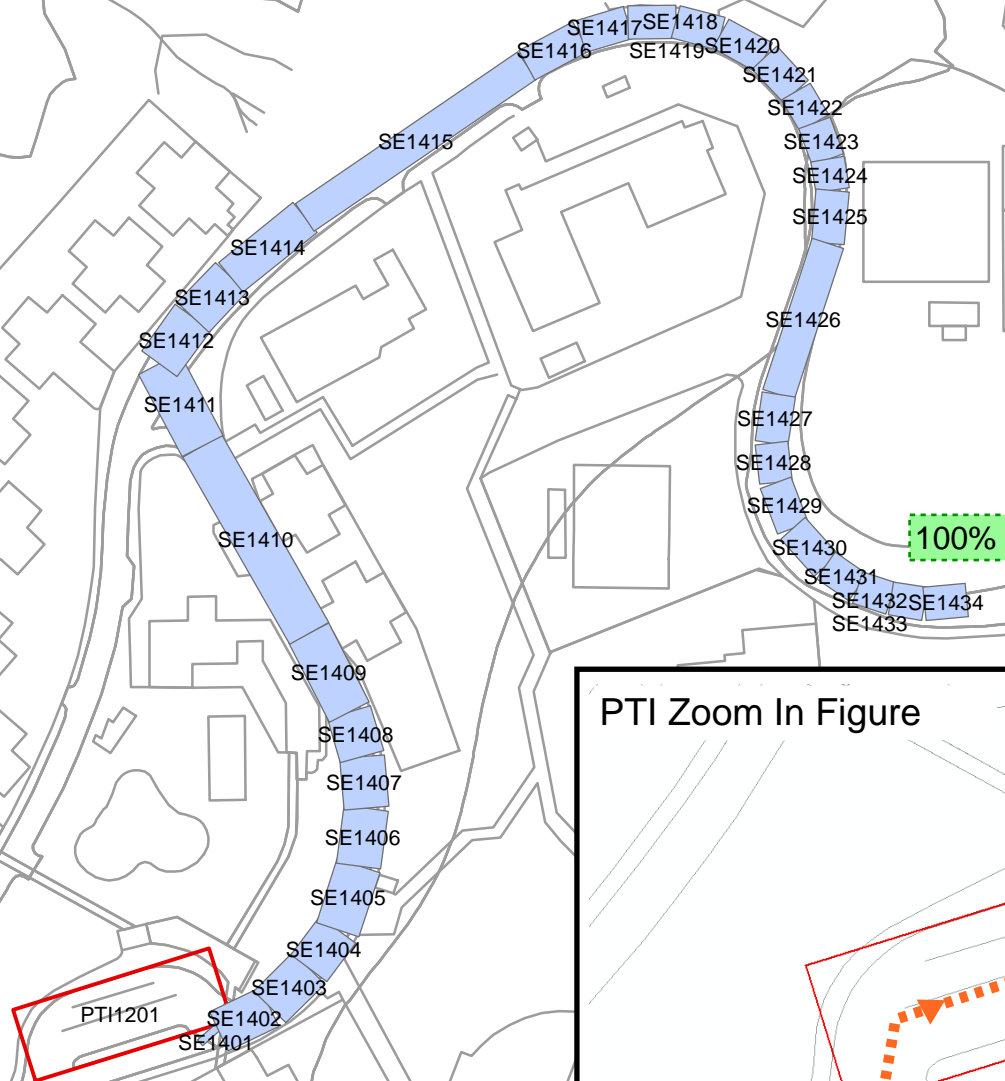
# Kwai Tsui Estate Bus Terminus (ID: PT11) (Bus)

- Emission from PTI
- ▭ Starting Emission
- ⋯ Travel Route
- ▭ % Traffic flow % of Bus







# Allway Garden Bus Terminus (ID: PT12) (Bus)

-  Emission from PTI
-  Starting Emission
-  Travel Route
-  Traffic flow % of Bus



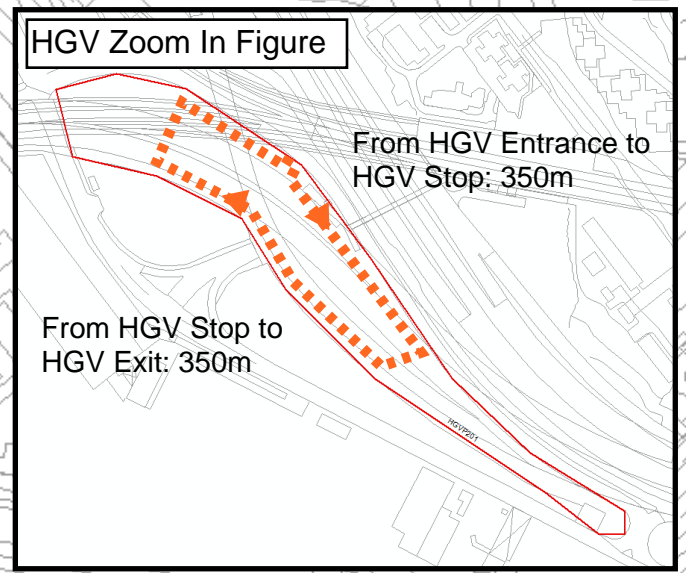
# Container Port Road South (ID: 2) (HGV)

-  Emission from Carpark
-  Starting Emission
-  Travel Route
-  Traffic flow % of HGV

HSE210  
HSE209  
HSE208  
HSE207  
HSE206  
HSE205  
HSE204  
HSE203  
HSE202  
HSE201  
HSE221  
HSE222  
HSE223





10%

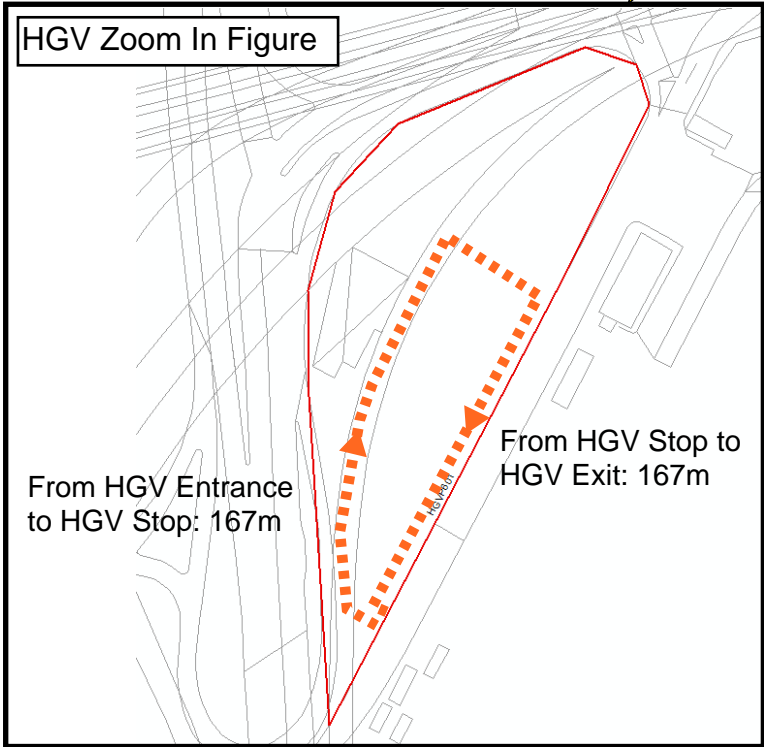
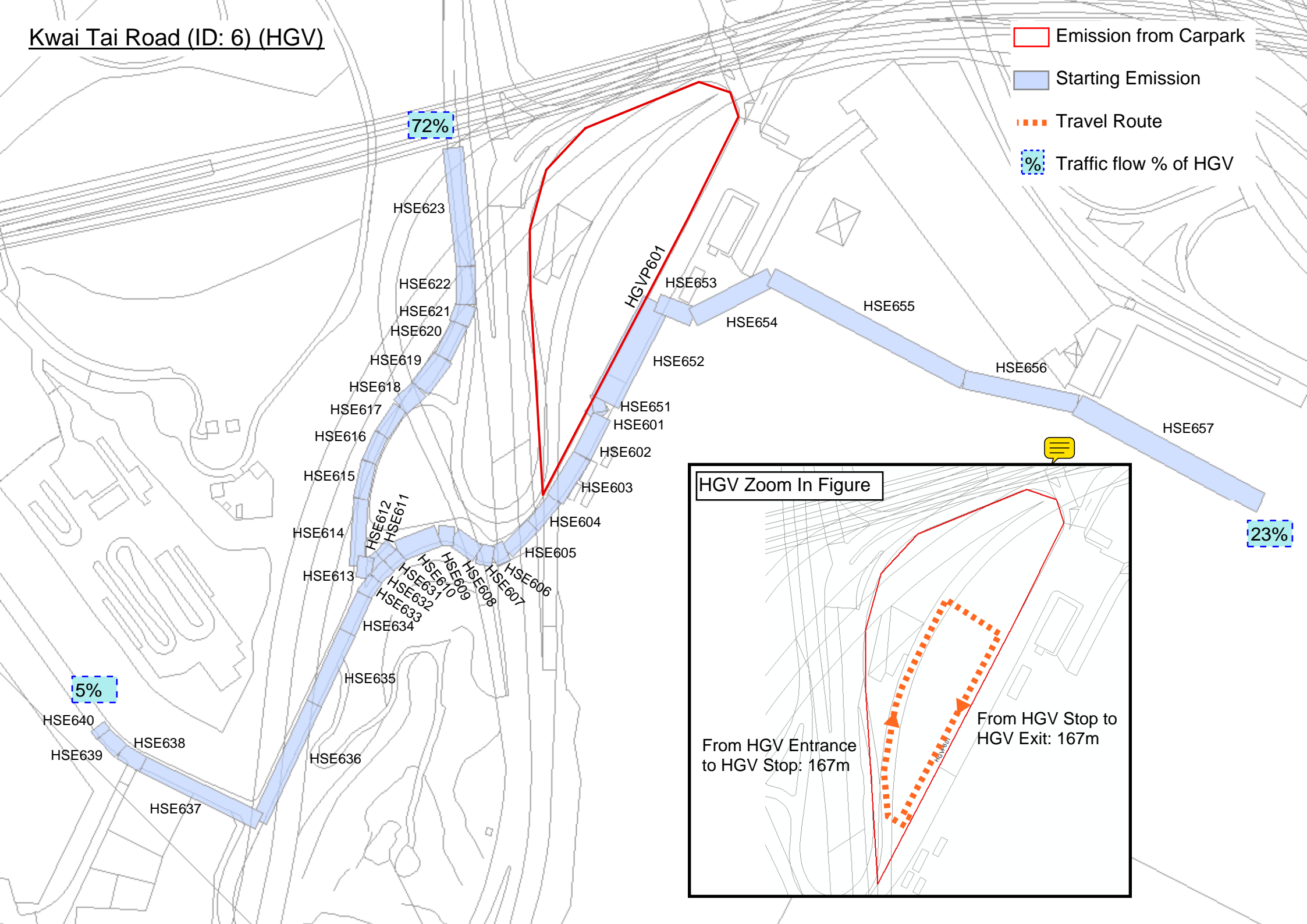
90%



HGVP201

# Kwai Tai Road (ID: 6) (HGV)

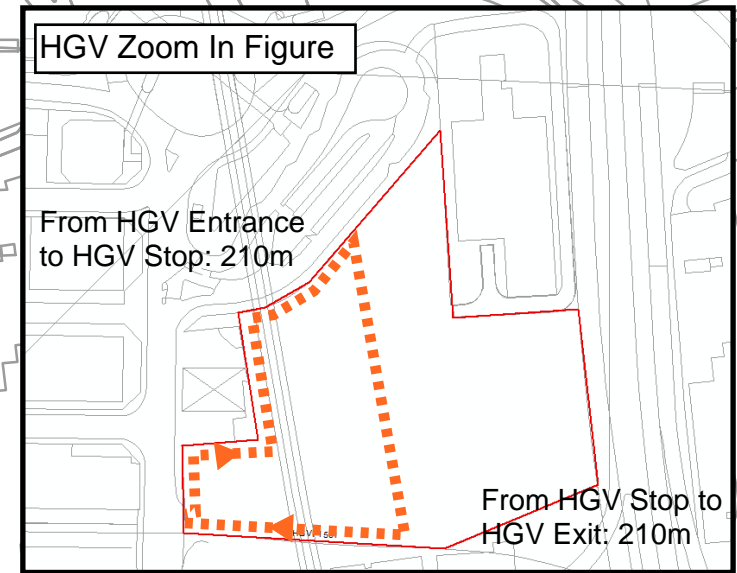
-  Emission from Carpark
-  Starting Emission
-  Travel Route
-  Traffic flow % of HGV





# Container Port Road (ID: 15) (HGV)

- Emission from Carpark
- Starting Emission
- Travel Route
- Traffic flow % of HGV



HSE1501  
HSE1502  
HSE1503  
HSE1504

HGVP1501

HSE1505

8%

HSE1511

92%

HSE1510

HSE1521

HSE1522

HSE1523

HSE1524

HSE1506

HSE1509

23%

HSE1525





HSE1507

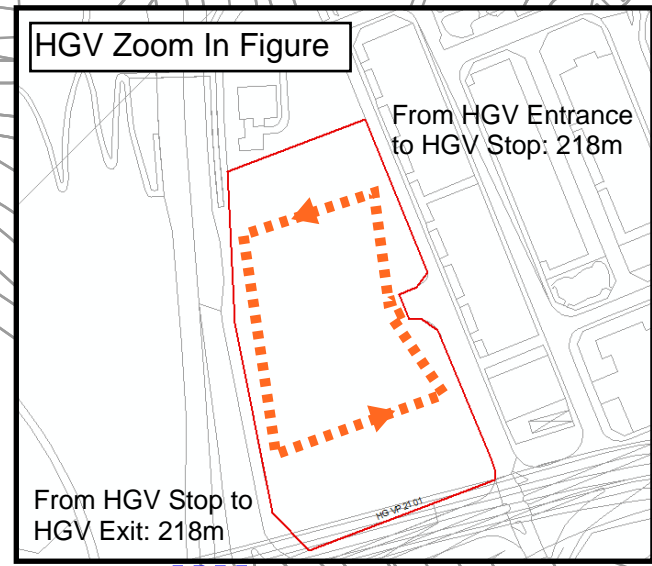
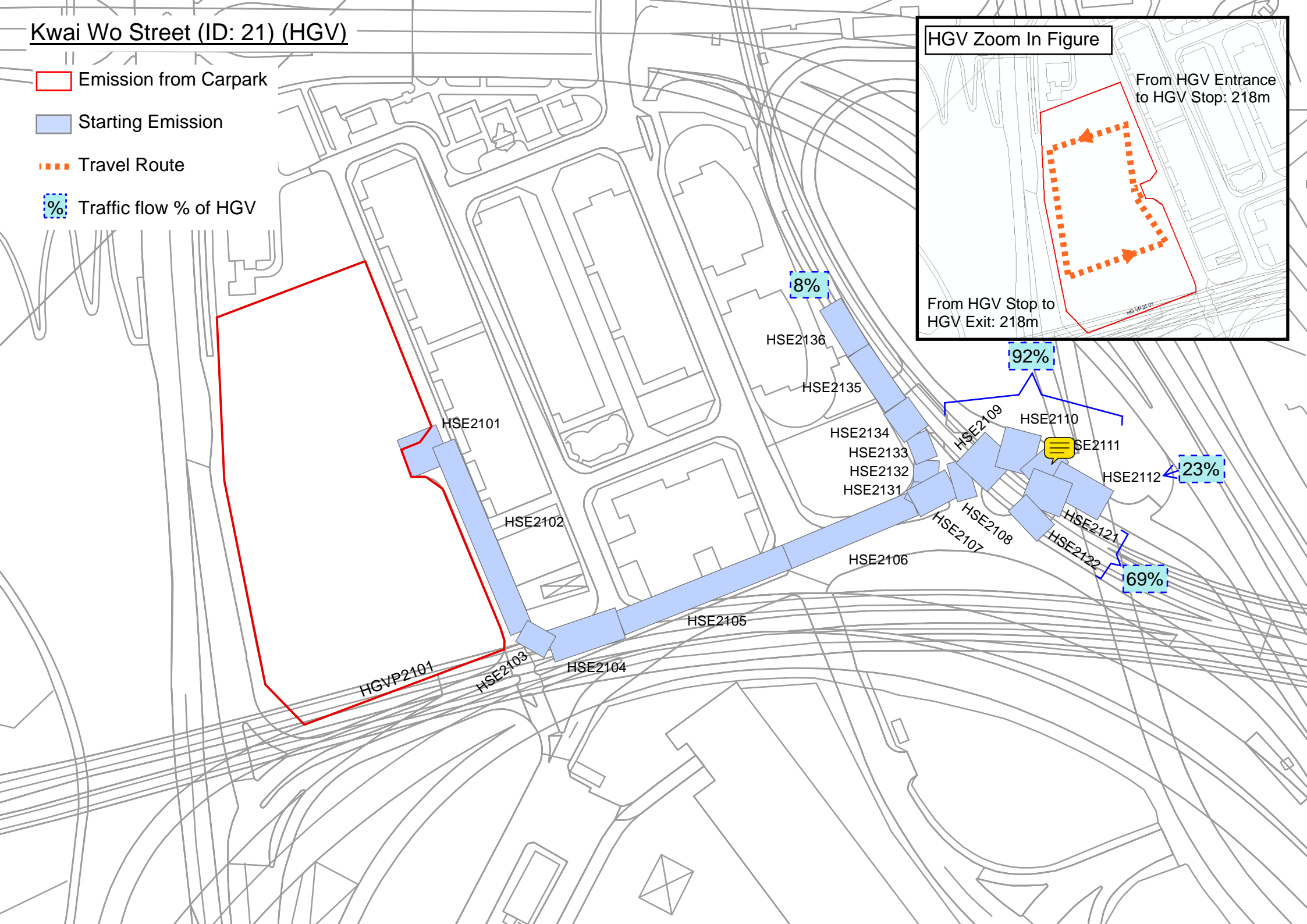
HSE1508

HSE1531





69%

# Kwai Wo Street (ID: 21) (HGV)

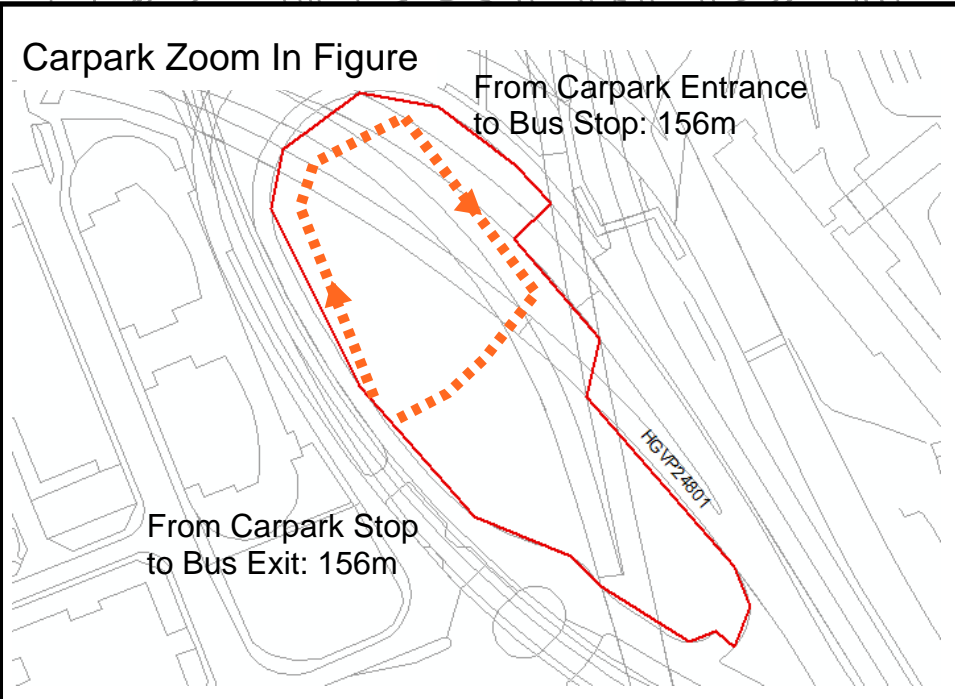
-  Emission from Carpark
-  Starting Emission
-  Travel Route
-  Traffic flow % of HGV



# Container Port Road South (ID: 248) (HGV)

-  Emission from Carpark
-  Starting Emission
-  Travel Route
-  Traffic flow % of HGV

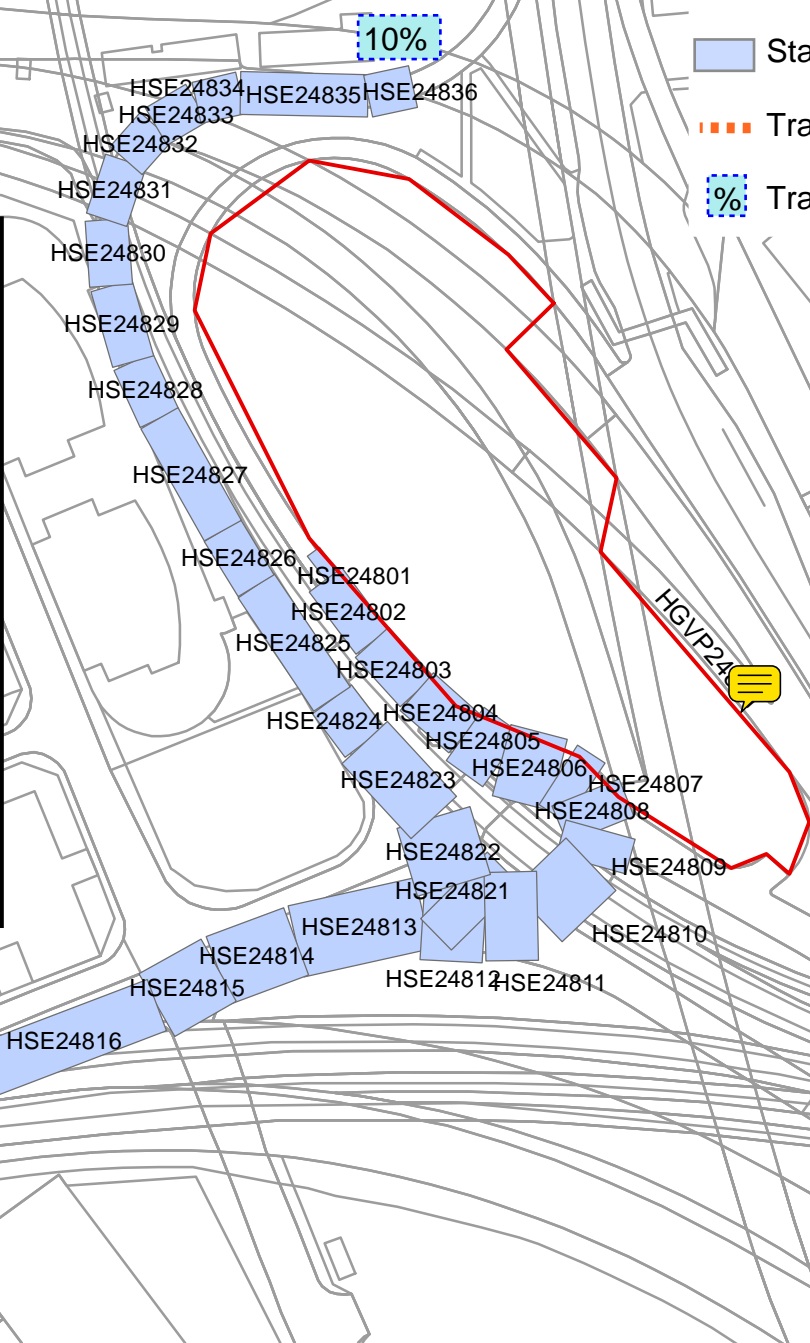
### Carpark Zoom In Figure



From Carpark Entrance to Bus Stop: 156m

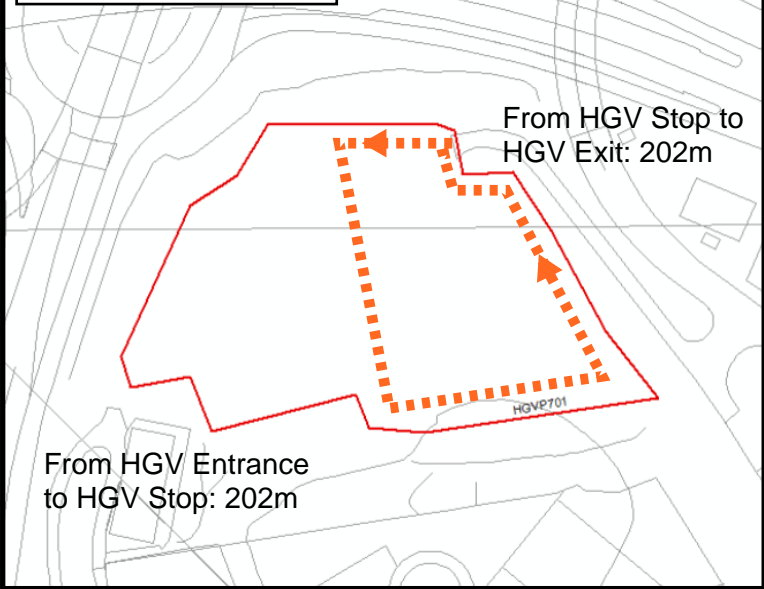
From Carpark Stop to Bus Exit: 156m

HGV P24801

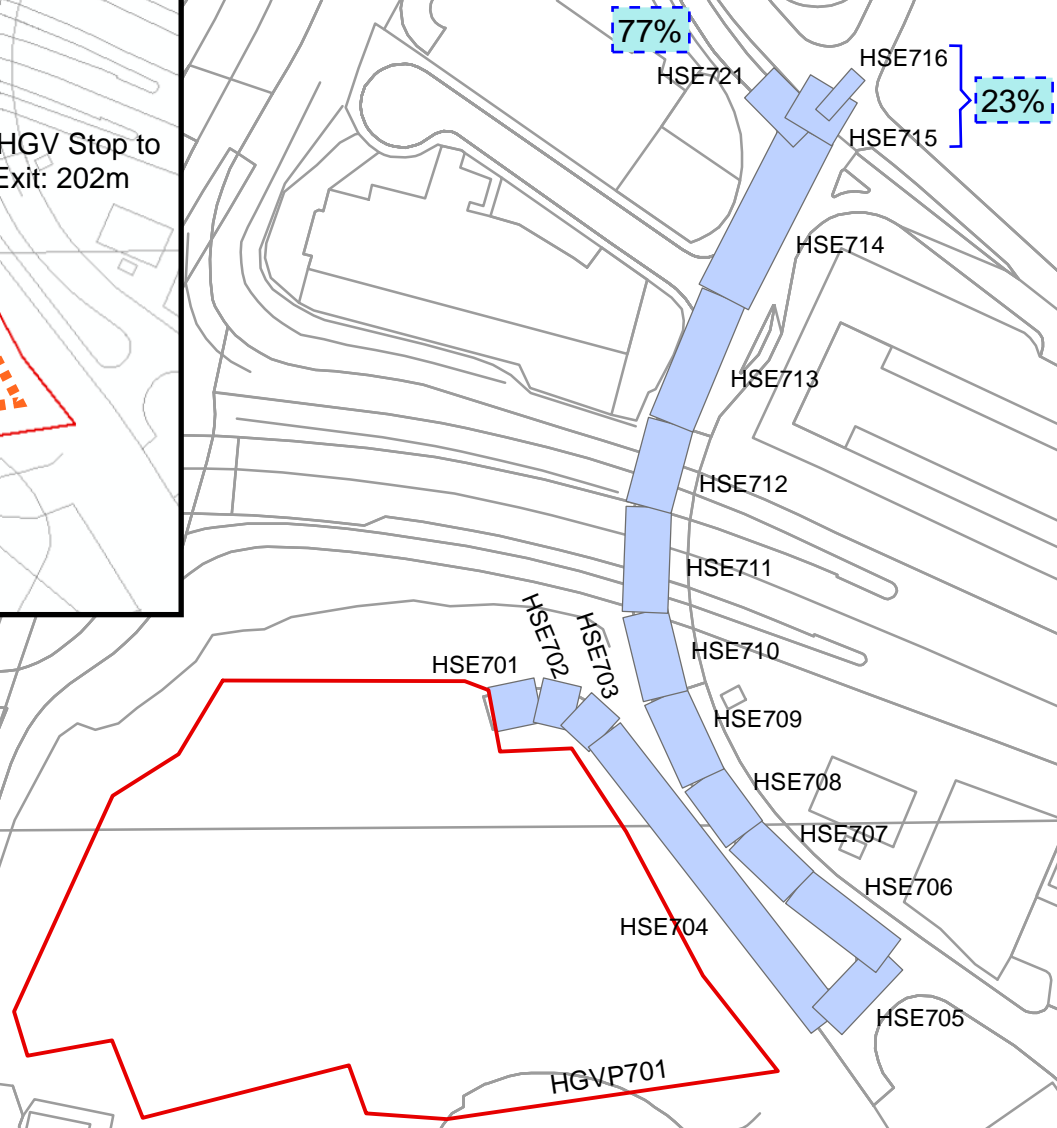


# Tsuen Tsing Interchange (ID: 7) (HGV)



## HGV Zoom In Figure



- Emission from Carpark
- Starting Emission
- Travel Route
- Traffic flow % of HGV



Kerry Cargo Center (ID: 66) (HGV)

-  Emission from Carpark
-  Travel Route



Note: Since the average distance from starting place of HGV to carpark exit is more than 700m, no spread distance outside carpark is necessary

# Tsuen Wan Plaza Carpark (PC)

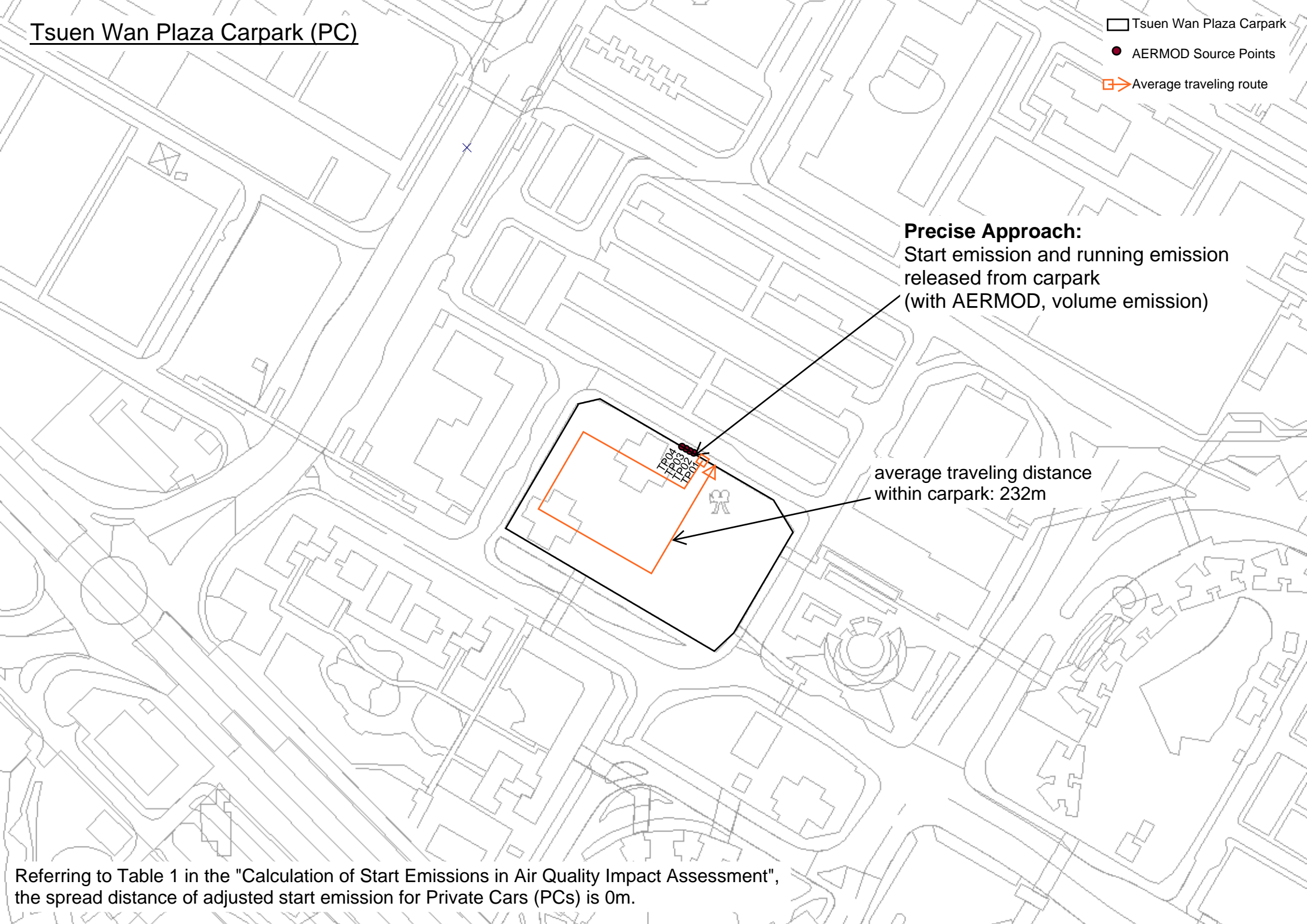
□ Tsuen Wan Plaza Carpark

● AERMOD Source Points

▣➔ Average traveling route

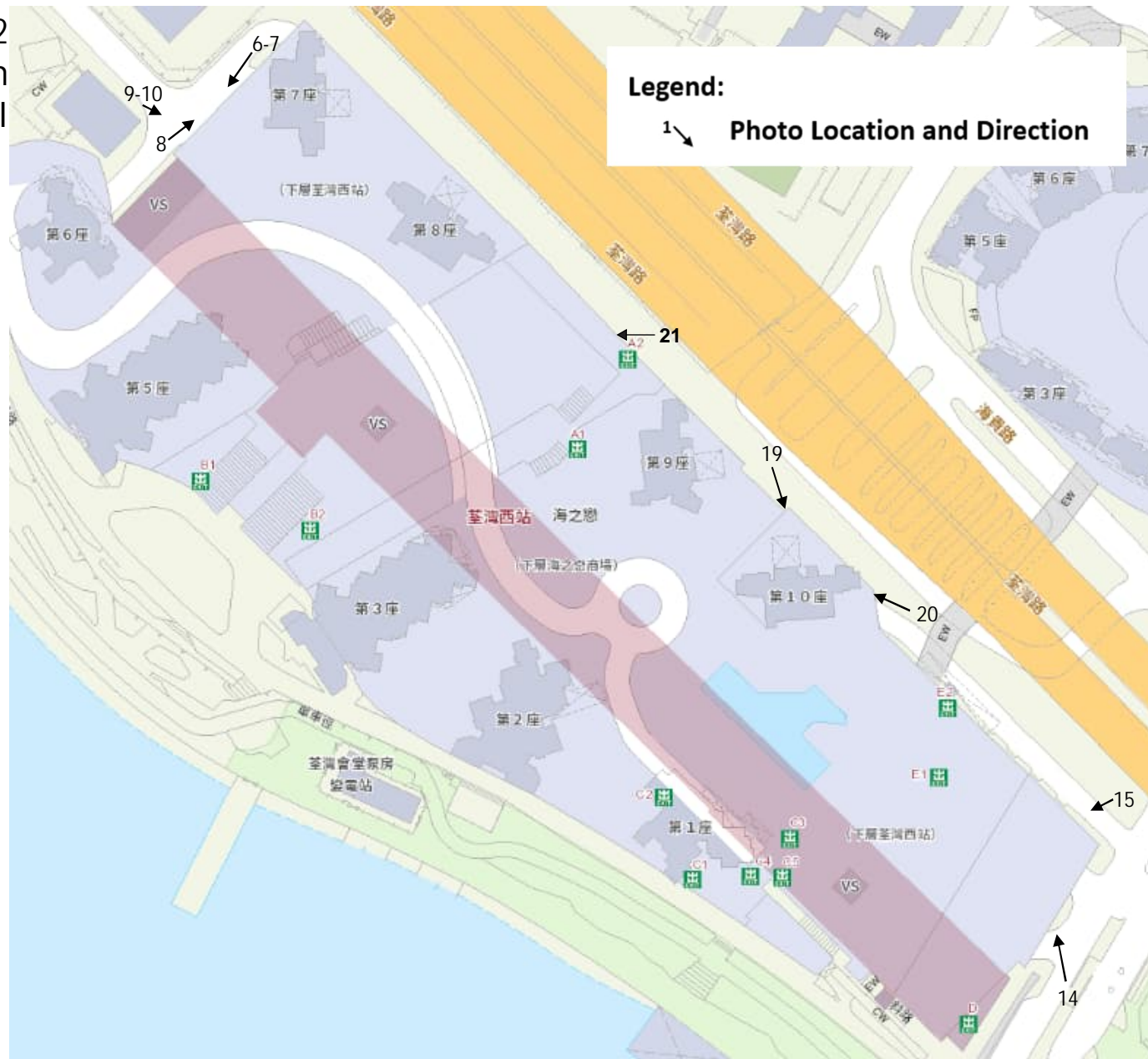
**Precise Approach:**  
Start emission and running emission released from carpark (with AERMOD, volume emission)

average traveling distance within carpark: 232m

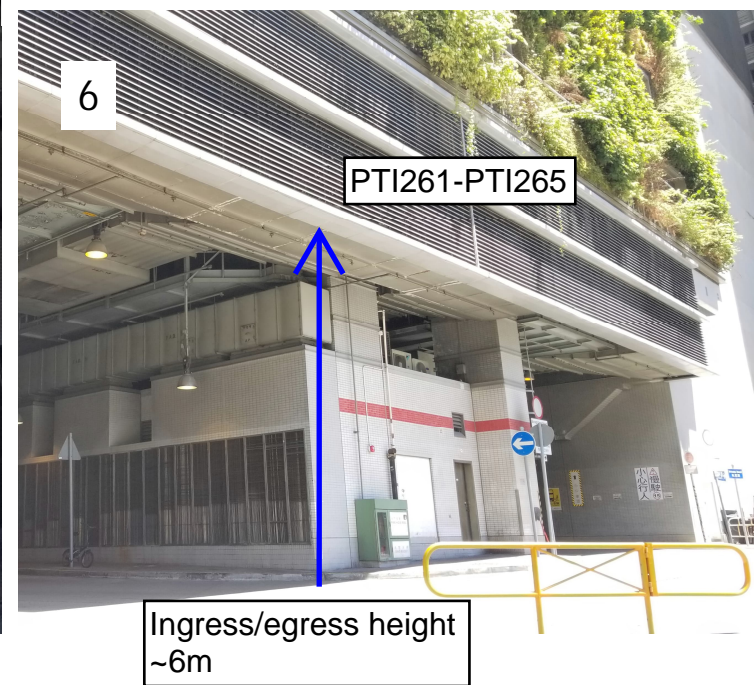
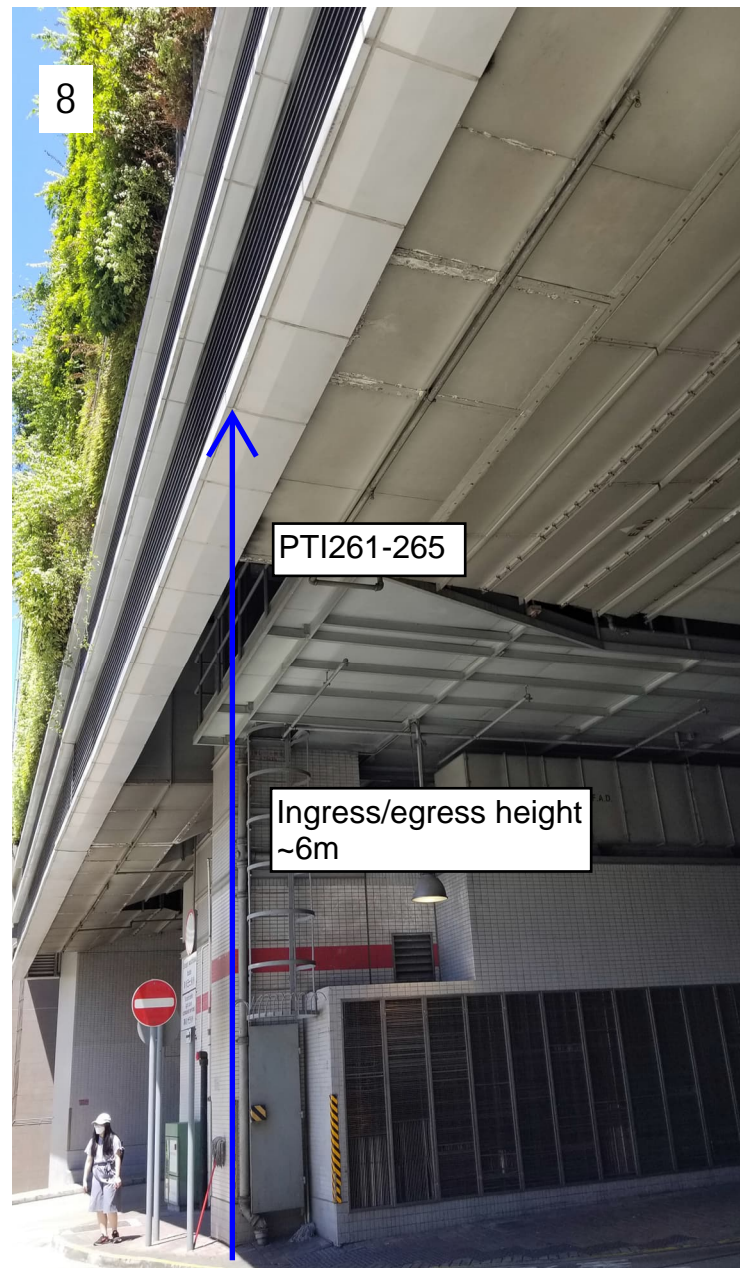
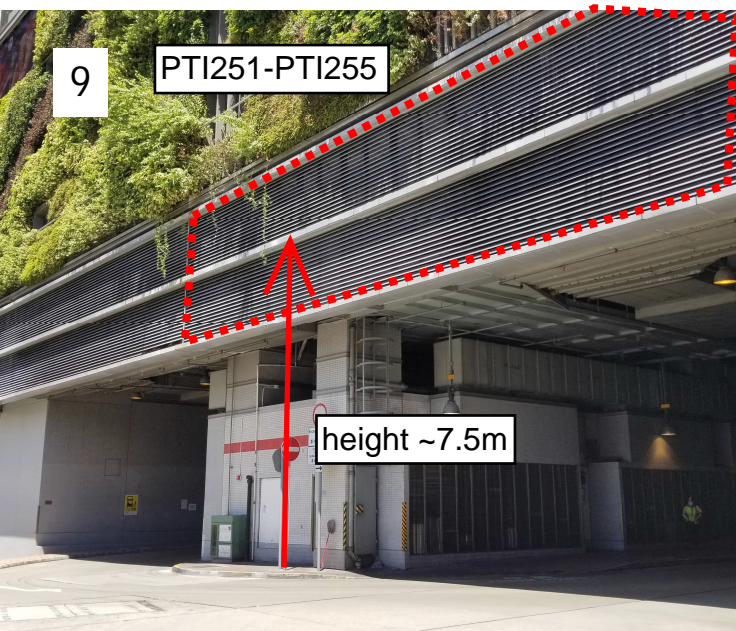
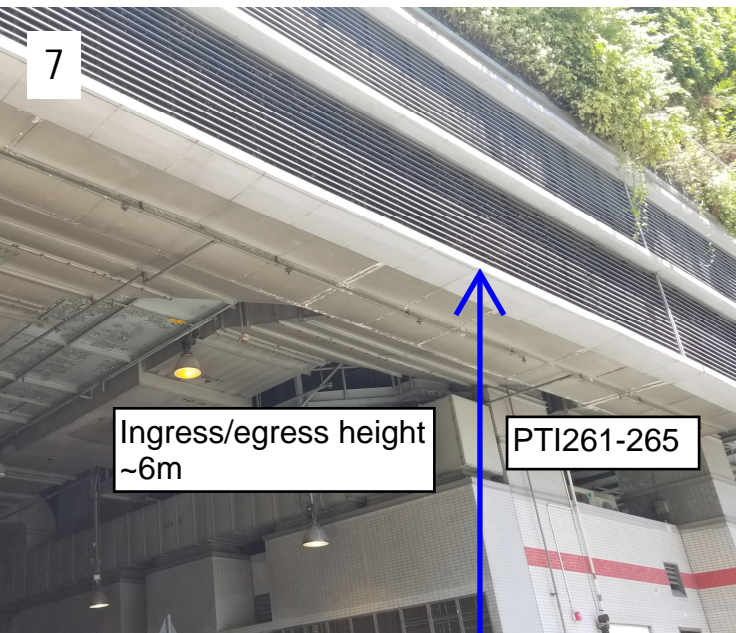


Referring to Table 1 in the "Calculation of Start Emissions in Air Quality Impact Assessment", the spread distance of adjusted start emission for Private Cars (PCs) is 0m.

PT2  
Tsuen Wan West Station  
PT1

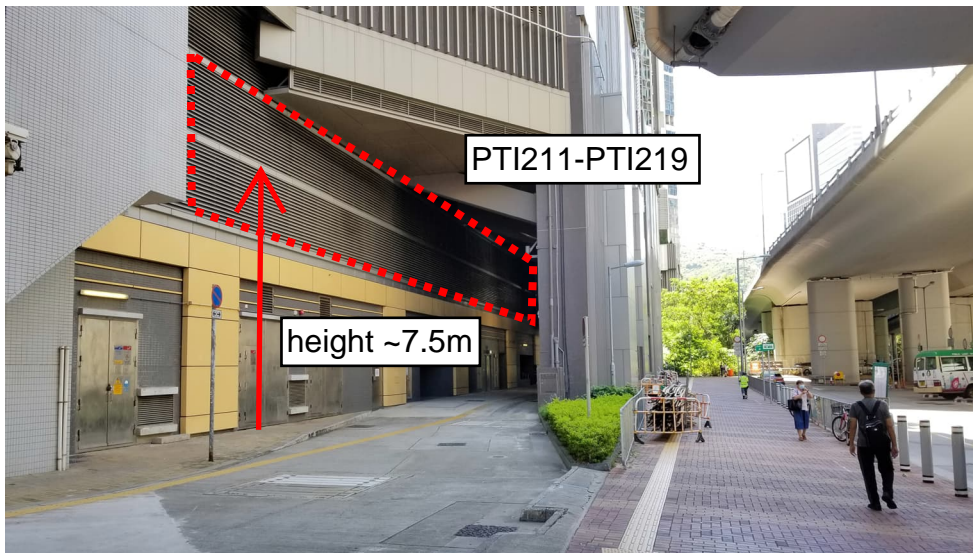


Note: Photos obtained from site visit at July 2021

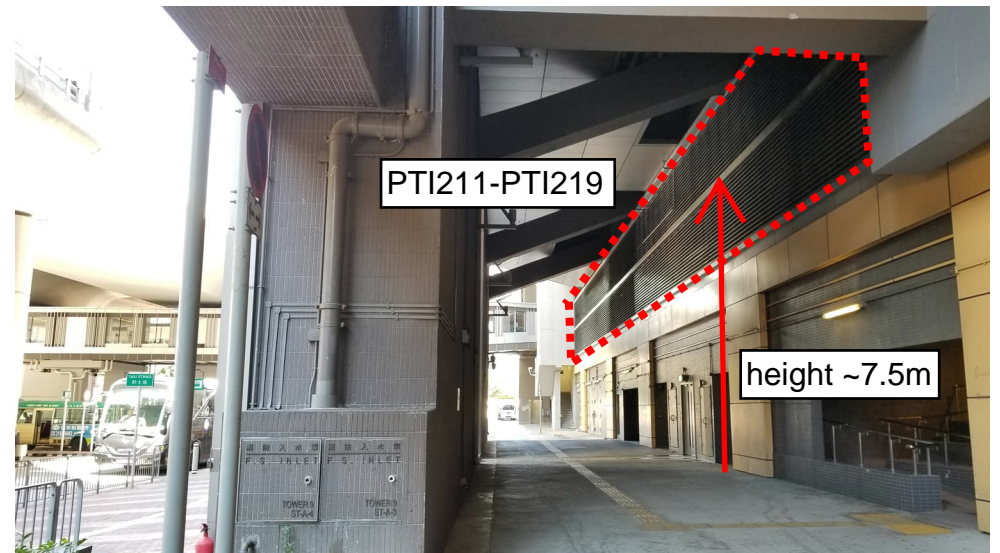




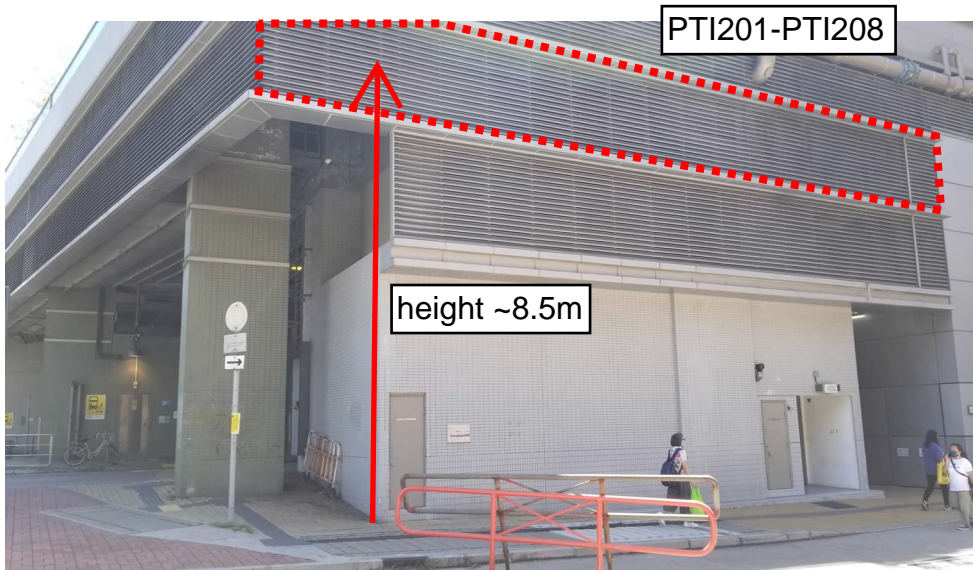
20



19

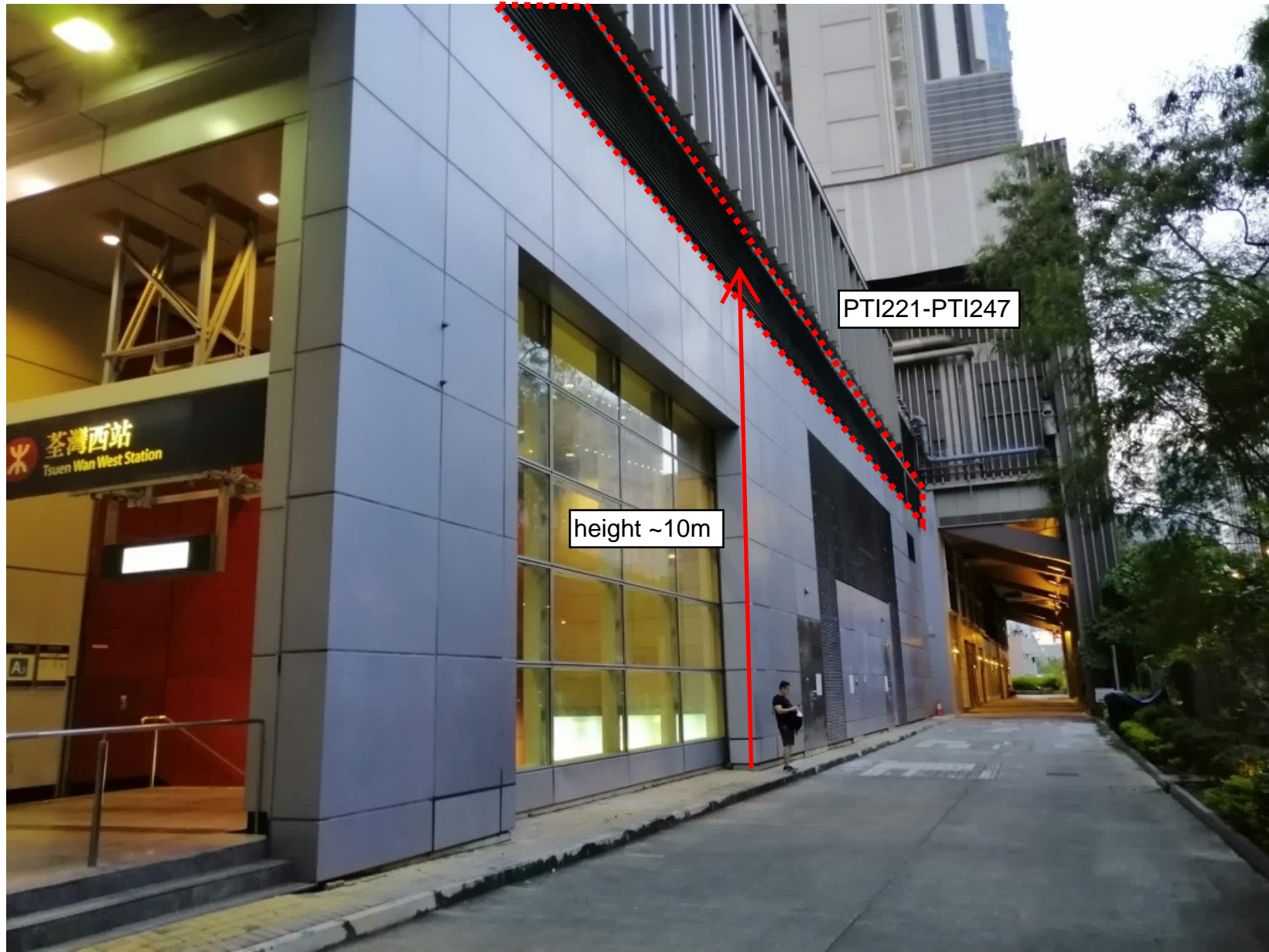


15

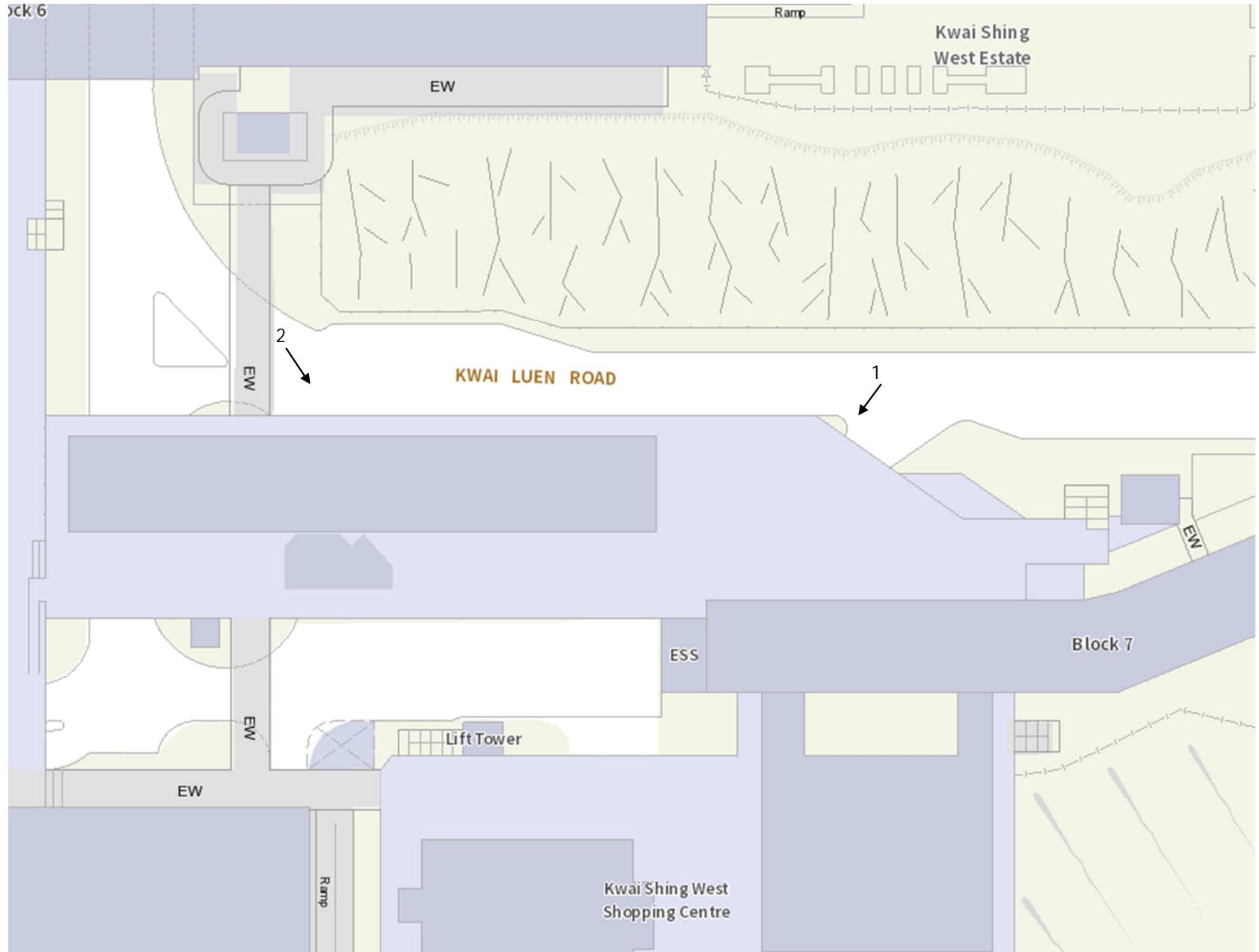


14





PT3  
Kwai Shing  
Central Bus Terminus



Note: Photos extracted from Google Maps

1



2



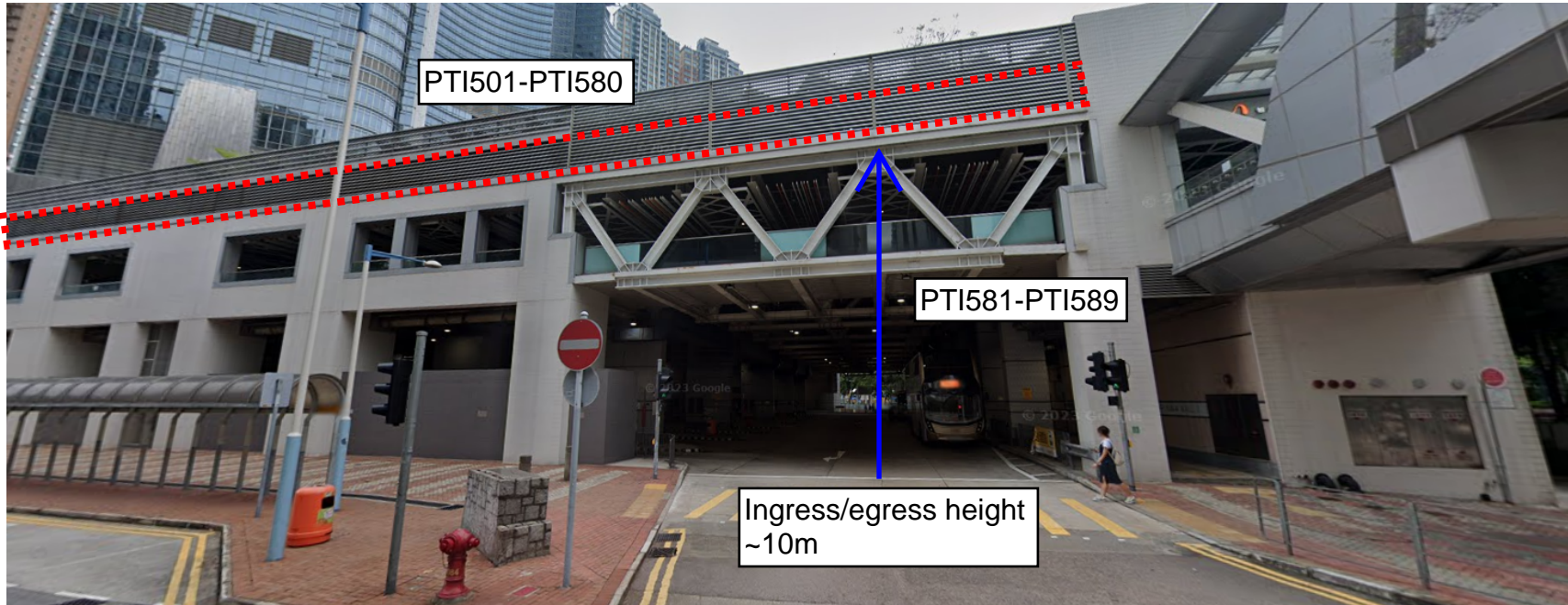
PT5

Nina Tower Bus Terminus



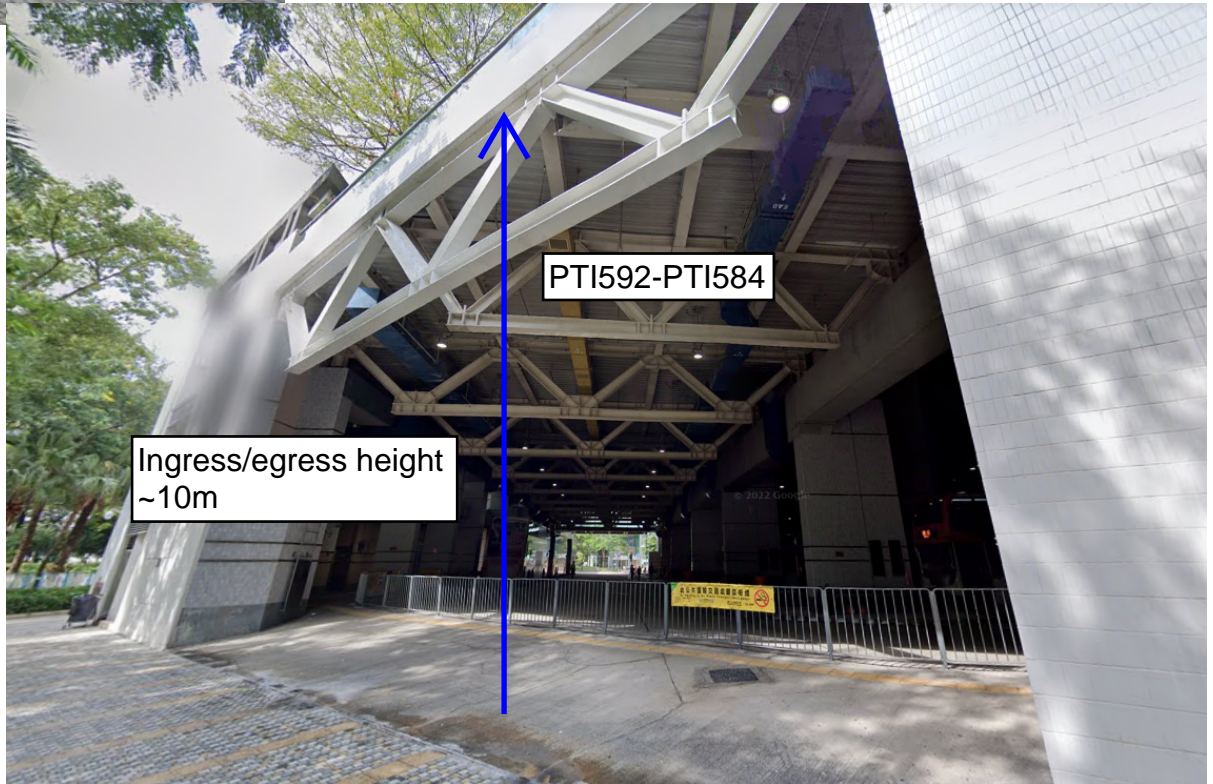
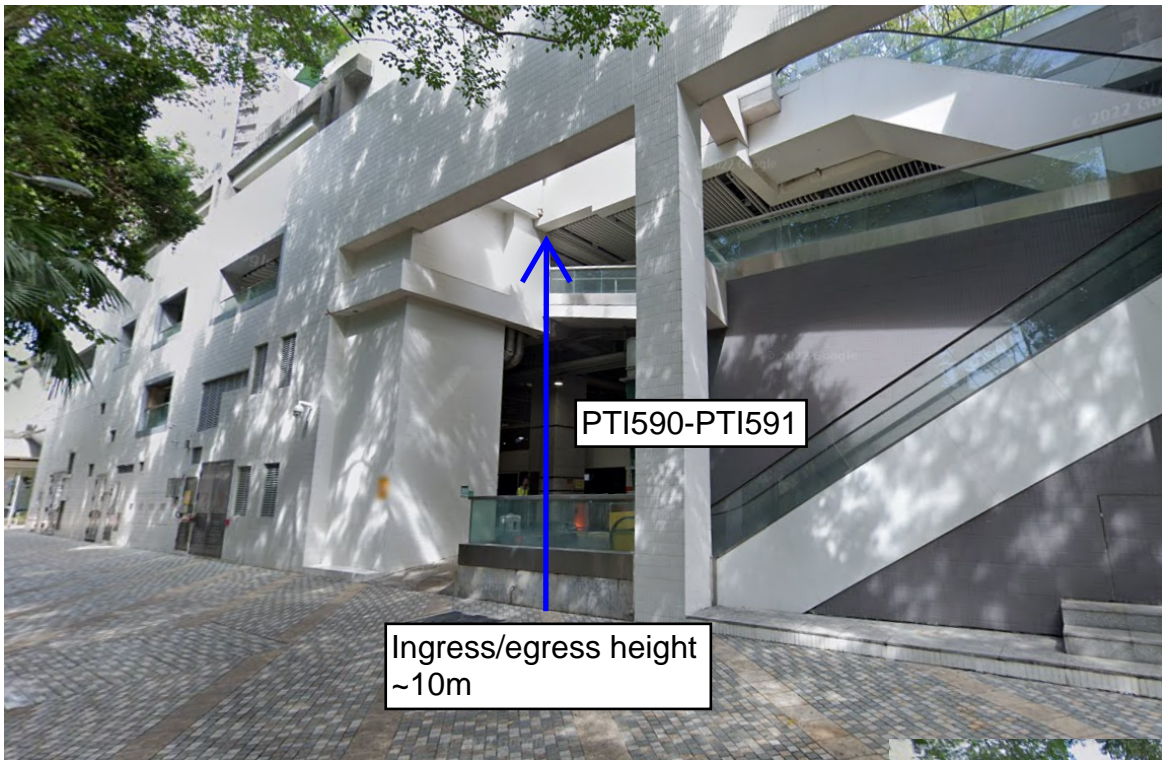
Note: Photos extracted from Google Maps

1



2







5



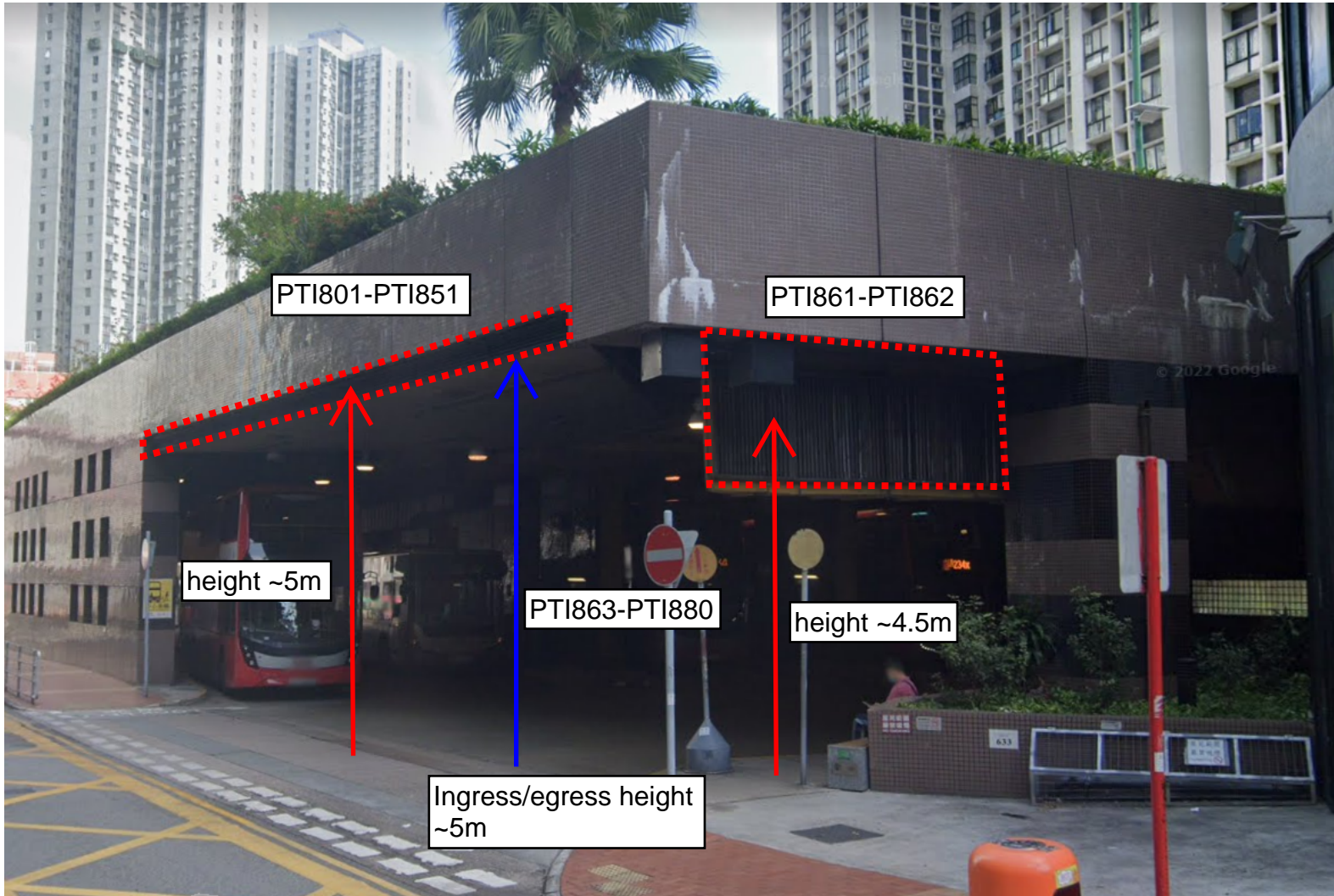
PT8

# Bayview Garden Bus Terminus



Note: Photos extracted from Google Maps

1



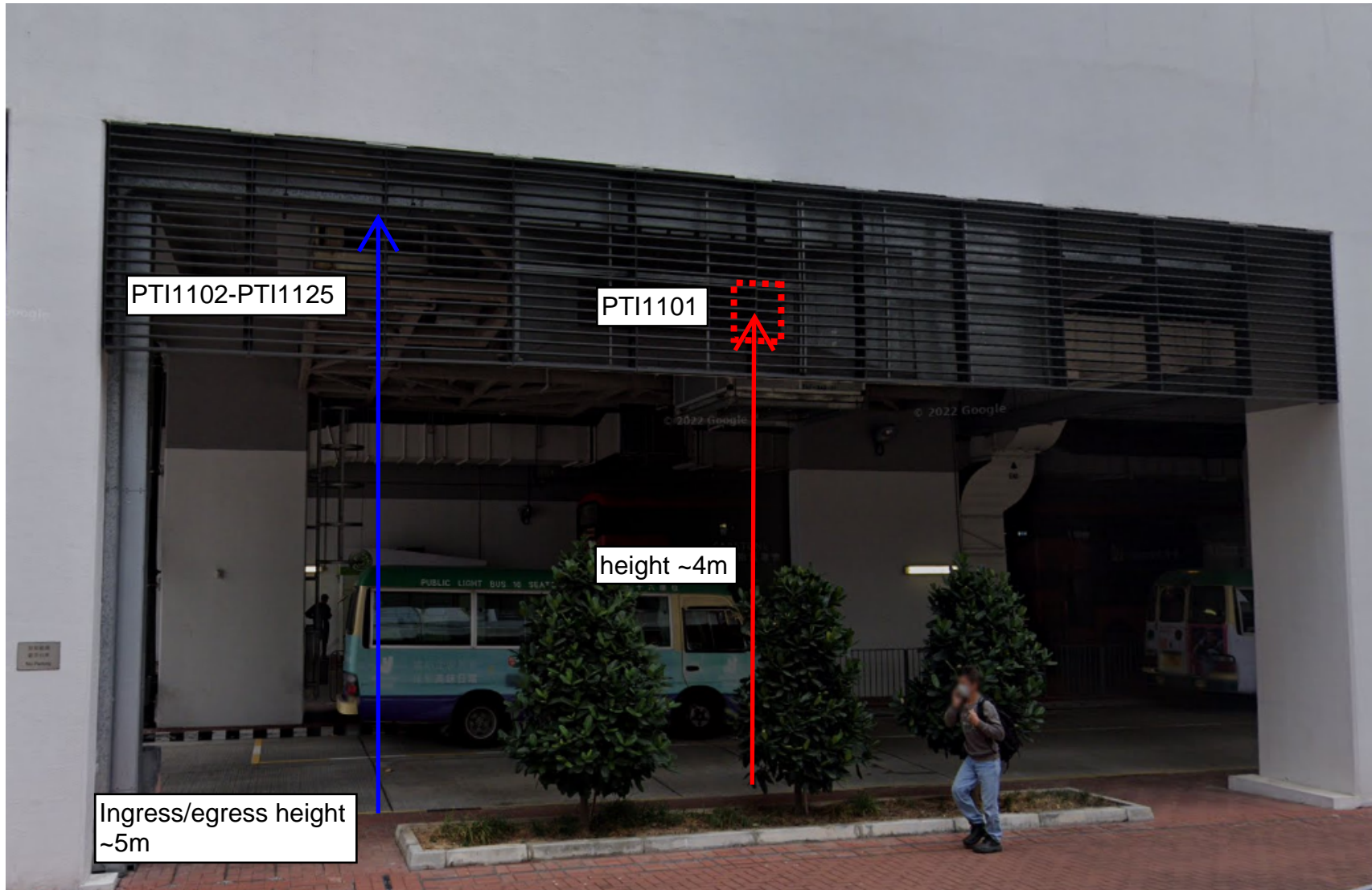
PT11

# Kwai Tsui Estate Bus Terminus



Note: Photos extracted from Google Maps

1



## Calculation of Start Emissions in Air Quality Impact Assessment

### General

For petrol vehicle, including: PC, MC, LGV3/4, PV4 & MC, all the start emissions are instantly released at the time when the engine starts. For LPG vehicle, including: Taxi, PLB & PV5 and diesel vehicle with Selective Catalytic Reduction Device (SCR), the “adjusted” start emissions are released over a longer period (e.g., 150m for LPG vehicle and 700m for diesel vehicle with SCR) after the engine starts. For details, please refer to Table 1.

**Table 1 Spread Distance of Adjusted Start Emission**

Vehicle Class	Fuel Type	Spread Distance of Adjusted Start Emission, Ds, (m) *
Any (with SCR)	Diesel	700
TAXI	LPG	150
PLB	LPG	150
PV5	LPG	150
PC	Petrol	0
LGV3/4	Petrol	0
PV4	Petrol	0
MC	Petrol	0

Remark (\*) – the spread distance should count starting from the location where the engine starts.

### Adjustment for Start Emissions

For LPG and diesel vehicle (with SCR), with idling at the beginning of the trip, please deduct the idling emission and spread out the adjusted start emissions evenly over the distance provided.

The idling emission part will be assumed to emit right on the spot. In case when the idling at the start is longer than K mins (e.g., 1 mins for FB with SCR; and 0.5 min for Taxi), only K mins of the idling will be used to adjust the start emission.

Details of K for different classes are shown in Table 2.

**Table 2 Maximum Duration for adjusting start emission, "K"**

Vehicle Class	Fuel Type	Maximum Duration for adjusting start emission, "K", (minutes)
Any (with SCR)	Diesel	1
TAXI	LPG	0.5
PLB	LPG	1
PV5	LPG	1
PC	Petrol	0
LGV3/4	Petrol	0
PV4	Petrol	0
MC	Petrol	0

For details, please refer to the following equations:

(1) [idling emission] = [idling EF] x [Actual Idling Duration at Start]

(2) [idling emission for the purpose of start emission adjustment] = [idling rate] x minimum( K, [Actual Idling duration at start])

(3) [Adjusted Start Emission] = maximum(0, [Start Emission] - [idling emission for the purpose of start emission adjustment] )

and geographically,

(4) [adjusted start emission] ==> spread over Ds

(5) [idling emission] ==> emitted right at the spot

**Idling Emission**

As regards idling emissions, if spread distance, Ds, is larger than zero and soak time (duration of engine off prior to engine ignition) is longer than or equal to 4 hours for petrol/LPG vehicles or 1 hour for diesel SCR vehicles,

(6) [idling EF] = [cold idling EF]

Table of Cold Idling Emission Factors, which are based on local measurement data, is in **Annex A**

otherwise,

(7) [idling EF] = warm/hot idling rate.

Currently there is no local measurement data for warm/hot idling rate. Project proponent is advised to use data adopted by recognized international organizations. The source of reference of the adopted warm/hot idling emission factors should be provided.

Please note that according to the operation procedures specified in EPD's Practice Note for Professional Persons, **Control of Air Pollution in Semi-Confined Public Transport Interchanges Control of Air Pollution, ProPECC PN 1/98**, the operator of PTI shall instruct all drivers using the PTI to switch off the vehicle engines while waiting to minimize idling emissions. Hence, idling activities within PTI should be very small, if any, under normal circumstances. For details, please refer to:

[https://www.epd.gov.hk/epd/sites/default/files/epd/english/resources/pub/publications/files/pn98\\_1.pdf](https://www.epd.gov.hk/epd/sites/default/files/epd/english/resources/pub/publications/files/pn98_1.pdf). For other type of parking sites, if idling activities are involved, please refer to the approach detailed in this note to estimate idling emissions and adjust start emissions accordingly.

As for running exhaust emission, it should be included in the "start-distance" of the above.

### **Cold Idling EF Averaging Among Technology Groups (Tech Groups)**

Note also that the cold idling EF provided is by Tech Groups in **Annex A** while the start EFs in EMFAC-HK output (e.g. emfac mode) are trip-weighted-average (among Tech Groups), users are advised to calculate the trip-weighted-average among Tech Groups of the cold idling EF when applying the above methodology as an estimation.



## **Start Emission Factor for Diesel Vehicle with SCR**

For diesel vehicle with SCR, the above calculation will be a bit more complicated because not all vehicles have SCR and the start emission factor (EF) shown in the EMFAC-HK emfac mode output is a weighted average, which could be a lot smaller than the actual start EF of a SCR vehicle.

To spread the adjusted start emission correctly for these vehicles, please use the SCR-start-EF for the calculation and take only the fraction of SCR vehicles activities into account for start emission.

In order to allocate the amount of activity to diesel SCR vehicles and derive their EFs for different years, **Annex B** which contains information on the % SCR vehicles by technology groups is required. By using this information, one may obtain the % of SCR vehicles in each class for any assessment year (with help of EMFAC-HK's detail burden output, i.e. bdn file).

For example, the default EMFAC-HK (territory-wide average) result for the year 2024 is appended in **Annex C** for reference. The SCR % in each class can help allocating the right amount of activities. Also, to obtain the SCR-start EF for a class, one may divide the weighted average start EF for diesel vehicles of that class (i.e. "DSL" column of each class in emfac mode output) by the % of SCR among diesel vehicles. More specifically, for each class,

(8) [Number of trips of SCR vehicles] = [Number of trips of total non-electric Vehicles] x [% of SCR among total non-electric Vehicles]

(9) [Start EF of SCR Vehicles] = [Start EF of Diesel Vehicles] / [% of SCR Vehicles among Diesel Vehicles]

***General remark: The above methodology and parameters are subject to review when more local data are available.***

- End -

## Annex A Cold Idling Emission Factors

### Cold# Idling Emission Factors

#Cold here means soak time greater than or equal to 4 hours for petrol/LPG vehicles or 1 hour for diesel SCR vehicles.

Class	Fuel Type	Pollutant	Emission Standard	Cold# Idling Emission Factor (g/s)
Taxi	LPG	NOx	Euro 2/3	0.0057
Taxi	LPG	NOx	Euro 4	0.0035
Taxi	LPG	NOx	Euro 5	0.0028
Taxi	LPG	NOx	Euro 6	0.0028
PLB	LPG	NOx	Euro III	0.0092
PLB	LPG	NOx	Euro IV	0.0039
PLB	LPG	NOx	Euro V	0.0039
PLB	LPG	NOx	Euro VI	0.0039
Taxi	LPG	THC	Euro 2/3	0.0187
Taxi	LPG	THC	Euro 4	0.0114
Taxi	LPG	THC	Euro 5	0.012
Taxi	LPG	THC	Euro 6	0.012
PLB	LPG	THC	Euro III	0.1073
PLB	LPG	THC	Euro IV	0.0752
PLB	LPG	THC	Euro V	0.0752
PLB	LPG	THC	Euro VI	0.0752
Taxi	LPG	CO	Euro 2/3	0.0187
Taxi	LPG	CO	Euro 4	0.0114
Taxi	LPG	CO	Euro 5	0.012
Taxi	LPG	CO	Euro 6	0.012
PLB	LPG	CO	Euro III	0.1073
PLB	LPG	CO	Euro IV	0.0752
PLB	LPG	CO	Euro V	0.0752
PLB	LPG	CO	Euro VI	0.0752
FBDD	Diesel	NOx	Euro II DPF & SCR	0.0737
FBDD	Diesel	NOx	Euro III DPF & SCR	0.0737
FBDD	Diesel	NOx	Euro IV	0.1535
FBDD	Diesel	NOx	Euro V	0.1535
FBDD	Diesel	NOx	Euro VI	0.0225
HGV9	Diesel	NOx	Euro IV - SCR	0.0144
HGV9	Diesel	NOx	Euro V - SCR	0.023
HGV9	Diesel	NOx	Euro VI	0.0037
HGV8	Diesel	NOx	Euro IV - SCR	0.0144
HGV8	Diesel	NOx	Euro V - SCR	0.023
HGV8	Diesel	NOx	Euro VI	0.0037
NFB9	Diesel	NOx	Euro IV - SCR	0.0573
NFB9	Diesel	NOx	Euro V - SCR	0.0474
NFB9	Diesel	NOx	Euro VI	0.0077
NFB8	Diesel	NOx	Euro IV - SCR	0.0573
NFB8	Diesel	NOx	Euro V - SCR	0.0474
NFB8	Diesel	NOx	Euro VI	0.0077
FBSD	Diesel	NOx	Euro IV	0.0573
FBSD	Diesel	NOx	Euro V	0.0474
FBSD	Diesel	NOx	Euro VI	0.0077

<b>Class</b>	<b>Fuel Type</b>	<b>Pollutant</b>	<b>Emission Standard</b>	<b>Cold# Idling Emission Factor (g/s)</b>
HGV7	Diesel	NOx	Euro V - SCR	0.0059
HGV7	Diesel	NOx	Euro V - DPF & SCR	0.0059
HGV7	Diesel	NOx	Euro VI	0.0059
NFB7	Diesel	NOx	Euro IV - SCR	0.0573
NFB7	Diesel	NOx	Euro VI	0.0077
LGV6	Diesel	NOx	Euro V - DPF & SCR	0.0028
LGV6	Diesel	NOx	Euro VI	0.001
NFB6	Diesel	NOx	Euro VI	0.001
PLB	Diesel	NOx	Euro VI	0.001
PV5	Diesel	NOx	Euro VI	0.001

**Annex B Tech Groups Assumed to be equipped with Selective Catalytic Reduction (SCR) in EMFAC-HK V4.3**

Vehicle Class	Fuel Type	Emission Standard	Tech Group Index	% of SCR in Tech Group
FBDD	Diesel	Euro II DPF & SCR Retrofitted	228	100%
FBDD	Diesel	Euro III DPF & SCR Retrofitted	229	100%
FBDD	Diesel	Euro IV	224	100%
FBDD	Diesel	Euro V	226	100%
FBDD	Diesel	Euro VI	215	100%
HGV9	Diesel	Euro IV - SCR	257	100%
HGV9	Diesel	Euro V - SCR	259	100%
HGV9	Diesel	Euro VI	255	100%
HGV8	Diesel	Euro IV - SCR	164	100%
HGV8	Diesel	Euro V - SCR	166	100%
HGV8	Diesel	Euro VI	162	100%
NFB9	Diesel	Euro IV - SCR	243	100%
NFB9	Diesel	Euro V - SCR	245	100%
NFB9	Diesel	Euro VI	241	100%
NFB8	Diesel	Euro IV - SCR	64	100%
NFB8	Diesel	Euro V - SCR	66	100%
NFB8	Diesel	Euro VI	62	100%
FBSD	Diesel	Euro V	116	56%
FBSD	Diesel	Euro VI	118	100%
HGV7	Diesel	Euro V - SCR	137	100%
HGV7	Diesel	Euro V - DPF & SCR	138	100%
HGV7	Diesel	Euro VI	135	100%
NFB7	Diesel	Euro IV - SCR	93	100%
NFB7	Diesel	Euro VI	105	100%
LGV6	Diesel	Euro V - DPF & SCR	139	100%
LGV6	Diesel	Euro VI	134	100%
NFB6	Diesel	Euro VI	104	100%
PLB	Diesel	Euro VI	194	100%
PV5	Diesel	Euro VI	204	100%

Remarks: 56% of SCR for Euro V FBSD will remain the same regardless of the assessment year

**Annex C EMFAC-HK V4.3 Default (Territory-wide average) % of SCR vehicles by Vehicle Class in CY2024**

<b>Class</b>	<b>% of SCR among total non-electric Vehicles</b>	<b>% of SCR Vehicles among Diesel Vehicles</b>
<b>FBDD</b>	99%	99%
<b>FBSD</b>	44%	44%
<b>HGV7</b>	52%	52%
<b>HGV8</b>	60%	60%
<b>HGV9</b>	50%	50%
<b>LGV3</b>	0%	0%
<b>LGV4</b>	0%	0%
<b>LGV6</b>	53%	53%
<b>MC</b>	0%	N.A.
<b>NFB6</b>	38%	38%
<b>NFB7</b>	45%	45%
<b>NFB8</b>	66%	66%
<b>NFB9</b>	67%	67%
<b>PC</b>	0%	0%
<b>PLB</b>	34%	66%
<b>PV4</b>	0%	0%
<b>PV5</b>	32%	41%
<b>TAXI</b>	0%	N.A.