

Appendix 3.9
Calculation of Emission Factor in
Year 2031 (Open Road)

Appendix 3.9 Calculations of Emission Rates from Open Road Sections Using EMFAC-HK Fleet Average Emission Factor

Year 2031	Roads Name	Source ID	D	C	Motor Cycles	Petrol PC ALGV	Taxi	Non-franchised Buses <6.4t	Non-franchised Buses 6.4-15t	Non-franchised Buses >15t	Public Light Buses	Diesel PC/LGV <2.5t	Diesel LGV 2.5-3.5t	Diesel LGV >3.5t	HGV<15t	HGV>15t	Single Deck Franchised Buses	Double Deck Franchised Buses	Public Light Buses	NO _x E.F. (0.01g/mile-veh)	Emission Factor for RSP in g/mile-veh (Trunk Roads)	Emission Factor for RSP in g/mile-veh (Other Roads)	RSP E.F. (g/mile-veh)	
			D	C		Petrol PC ALGV	Taxi	Non-franchised Buses <6.4t	Non-franchised Buses 6.4-15t	Non-franchised Buses >15t	Public Light Buses	Diesel PC/LGV <2.5t	Diesel LGV 2.5-3.5t	Diesel LGV >3.5t	HGV<15t	HGV>15t	Single Deck Franchised Buses	Double Deck Franchised Buses	Public Light Buses					
			1490	1490	0.05	0.55	0.30	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.049	0.005	0.019	0.008
			1538	1538	0.04	0.44	0.39	0.00	0.05	0.00	0.00	0.01	0.02	0.02	0.02	0.01	0.00	0.00	0.00	0.00	0.049	0.005	0.019	0.008
			833	833	0.04	0.44	0.39	0.00	0.05	0.00	0.00	0.01	0.02	0.02	0.02	0.01	0.00	0.00	0.00	0.00	0.049	0.005	0.019	0.008
			1602	833	0.04	0.44	0.39	0.00	0.05	0.00	0.00	0.01	0.02	0.02	0.02	0.01	0.00	0.00	0.00	0.00	0.049	0.005	0.019	0.008
			3246	3246	0.04	0.44	0.42	0.00	0.05	0.00	0.00	0.02	0.01	0.01	0.01	0.03	0.00	0.00	0.00	0.00	0.049	0.005	0.019	0.008
			560	56	0.04	0.41	0.36	0.00	0.13	0.00	0.00	0.04	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.049	0.005	0.019	0.008
			1044	1044	0.05	0.49	0.33	0.00	0.04	0.00	0.00	0.01	0.01	0.01	0.02	0.04	0.00	0.00	0.00	0.00	0.049	0.005	0.019	0.008
			1813	769	0.04	0.44	0.39	0.00	0.05	0.00	0.00	0.01	0.02	0.02	0.02	0.01	0.00	0.00	0.00	0.00	0.049	0.005	0.019	0.008
			2671	2144	0.04	0.58	0.34	0.00	0.12	0.00	0.00	0.04	0.01	0.01	0.02	0.03	0.00	0.00	0.00	0.00	0.049	0.005	0.019	0.008
			1395	322	0.05	0.58	0.32	0.00	0.12	0.00	0.00	0.03	0.01	0.01	0.00	0.01	0.00	0.01	0.04	0.04	0.049	0.005	0.019	0.008
			2623	1383	0.04	0.39	0.35	0.00	0.13	0.00	0.00	0.04	0.01	0.01	0.01	0.02	0.00	0.00	0.00	0.00	0.049	0.005	0.019	0.008
			51	25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.049	0.005	0.019	0.008
			1128	1128	0.04	0.37	0.36	0.00	0.05	0.00	0.00	0.01	0.02	0.02	0.03	0.04	0.00	0.00	0.00	0.00	0.049	0.005	0.019	0.008
			1482	1482	0.04	0.38	0.37	0.00	0.05	0.00	0.00	0.02	0.02	0.02	0.02	0.03	0.00	0.00	0.00	0.00	0.049	0.005	0.019	0.008
			1232	815	0.03	0.38	0.35	0.00	0.03	0.00	0.00	0.01	0.06	0.06	0.07	0.02	0.00	0.00	0.00	0.00	0.049	0.005	0.019	0.008