

Appendix 3.10 Calculations of Emission Rates from Open Road Sections Using EURO Fleet Average Emission Factor

Year 2027 P.M.																												
Road Name	Source ID	Link No.	Length (m)	Total Q	Traffic Breakdown						Emission Factor for NO _x in gm/km (2011)						Emission Factor for RSP in gm/km (2011)						NO _x E.F. (g/mile-veh)	RSP E.F. (g/mile-veh)				
					Q	CAR	TAXI	SPB	GV	PT	CAR	TAXI	SPB	GV	PT	CAR	TAXI	SPB	GV	PT								
Lung Kwu Tan Road - between Lung Fai Street and Dragon Oasis	01LKT1	19	983	680	430	0.37	0.04	0.03	0.52	0.04	0.04	117.0	20.7	150.8	1258.1	167.3	0.54	0.49	4.96	3.46	6.15	0.03	0.01	0.33	0.36	0.45	4.056	0.3789
Lung Kwu Tan Road - between Dragon Oasis and Yung Long Road	01LKT2	21	1950	440	280	0.26	0.06	0.03	0.61	0.04	0.04	48.8	12.9	97.2	1006.2	78.7	0.03	0.26	6.47	104.69	5.76	2.71	0.26	6.47	104.69	5.76	4.549	0.4385
Nim Wan Road - between Yung Long Road and Tsang Tsui Road	01NWR1	23	1916	330	200	0.28	0.02	0.02	0.68	0.00	0.00	37.3	4.5	39.2	843.9	0.0	0.10	0.04	0.03	0.83	0.00	2.07	0.09	2.61	87.80	0.00	4.510	0.4514