

Appendix 3.9 Derivation of Cumulative Annual Average NOX-to-NO2 Conversion Equation using Jenkin Method

Annual Average NO_x, NO₂ and OX concentration in Recent Five Years (Year 2019-2023) at Selected EPD AQMS

AQMS Data of the Past 5 Years				
Year	Station	NO2 (ug/m3)	NOx (ug/m3)	Conversion
2019	TSEUNG KWAN O	29	43	33.7
2020	TSEUNG KWAN O	23	33	26.5
2021	TSEUNG KWAN O	26	35	27.9
2022	TSEUNG KWAN O	21	29	23.4
2023	TSEUNG KWAN O	22	30	24.2
2019	TAP MUN	10	12	10.0
2020	TAP MUN	9	11	9.2
2021	TAP MUN	10	12	10.0
2022	TAP MUN	8	13	10.8
2023	TAP MUN	8	14	11.6
2019	MONG KOK	78	154	78.0
2020	MONG KOK	74	162	79.2
2021	MONG KOK	70	139	75.3
2022	MONG KOK	64	131	73.6
2023	MONG KOK	68	131	73.6
2019	CENTRAL	80	172	80.5
2020	CENTRAL	68	151	77.5
2021	CENTRAL	68	150	77.3
2022	CENTRAL	62	132	73.8
2023	CENTRAL	63	138	75.1
2019	CAUSEWAY BAY	81	221	84.9
2020	CAUSEWAY BAY	68	184	81.9
2021	CAUSEWAY BAY	71	199	83.3
2022	CAUSEWAY BAY	65	178	81.2
2023	CAUSEWAY BAY	67	182	81.6