

## **Appendix 3.5**

### **Hourly Vehicular Emission Factors**

(Blank)

## **Appendix 3.5a**

### **Hourly Vehicular Emission Factors**

#### **(Open Roads)**





Road Link



Project: NDA  
Scenario: KTN (Year 2021)  
Title: Hourly Vehicular Emission Factors of  $\text{NO}_x$  [ $\text{g}/\text{mile}/\text{hr}$ ] - from Open Roads

[illegible]



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Project: NDA  
Scenario: KTN (Year 2021)

[illegible]

Project: NDA  
Scenario: KTN (Year 2021)  
Title: Hourly Vehicular Emission Factors of RSP [g/mile/hr]- from Open Roads

[illegible]

Scenario: KTN (Year 2021)  
Title: Hourly Vehicular Emission Factors of RSP ( $\mu\text{g}/\text{mile}/\text{hr}$ ) - from Open Roads

	Area 1	Area 2	Area 3	Area 4	Area 5	Area 6	Area 7	Area 8	Area 9	Area 10	Area 11	Area 12	Area 13	Area 14	Area 15	Area 16	Area 17	Area 18	Area 19	Area 20	Area 21	Area 22	Area 23	Area 24	Area 25	Area 26	Area 27	Area 28	Area 29	Area 30	Area 31	Area 32	Area 33	Area 34	Area 35	Area 36	Area 37	Area 38	Area 39	Area 40	Area 41	Area 42	Area 43	Area 44	Area 45	Area 46	Area 47	Area 48	Area 49	Area 50	Area 51	Area 52	Area 53	Area 54	Area 55	Area 56	Area 57	Area 58	Area 59	Area 60	Area 61	Area 62	Area 63	Area 64	Area 65	Area 66	Area 67	Area 68	Area 69	Area 70	Area 71	Area 72	Area 73	Area 74	Area 75	Area 76	Area 77	Area 78	Area 79	Area 80	Area 81	Area 82	Area 83	Area 84	Area 85	Area 86	Area 87	Area 88	Area 89	Area 90	Area 91	Area 92	Area 93	Area 94	Area 95	Area 96	Area 97	Area 98	Area 99	Area 100
Area 101	Area 102	Area 103	Area 104	Area 105	Area 106	Area 107	Area 108	Area 109	Area 110	Area 111	Area 112	Area 113	Area 114	Area 115	Area 116	Area 117	Area 118	Area 119	Area 120	Area 121	Area 122	Area 123	Area 124	Area 125	Area 126	Area 127	Area 128	Area 129	Area 130	Area 131	Area 132	Area 133	Area 134	Area 135	Area 136	Area 137	Area 138	Area 139	Area 140	Area 141	Area 142	Area 143	Area 144	Area 145	Area 146	Area 147	Area 148	Area 149	Area 150	Area 151	Area 152	Area 153	Area 154	Area 155	Area 156	Area 157	Area 158	Area 159	Area 160	Area 161	Area 162	Area 163	Area 164	Area 165	Area 166	Area 167	Area 168	Area 169	Area 170	Area 171	Area 172	Area 173	Area 174	Area 175	Area 176	Area 177	Area 178	Area 179	Area 180	Area 181	Area 182	Area 183	Area 184	Area 185	Area 186	Area 187	Area 188	Area 189	Area 190	Area 191	Area 192	Area 193	Area 194	Area 195	Area 196	Area 197	Area 198	Area 199	Area 200	









Project: NDA  
Scenario: KTN (Year 2029)  
Title: Hourly Vehicular Emission Factors of NO<sub>x</sub> [g/mile/hr] - from Open Roads

[illegible]

Project: NDA  
Scenario: KTN (Year 2029)  
Title: Hourly Vehicular Emission Factors of NO<sub>x</sub> (g/mile/hr) - from Open Roads

[illegible]



Project: NDA  
Scenario: KTN (Year 2029)  
Title: Hourly Vehicular Emission Factors of NO<sub>x</sub> (g/mile/hr) - from Open Roads

[illegible]

Project: NDA  
Scenario: KTN (Year 2029)  
Title: Hourly Vehicular Emission Factors of NO<sub>x</sub> (g/mile/hr) - from Open I

[illegible]





[illegible]

Project: NDA  
Scenario: KTN (Year 2029)  
Title: Heavy Vehicular Emission Factors of BSR (semi-trail) - from Open Road

[illegible]

Scenario: KTN (Year 2028)  
Title: Hourly Vehicular Emission Factors of RSP (g/mile/hr) - from Open Roads

[illegible]

Project: WB1  
Scenario: WB1 Year 2020

Time: Hourly Vehicle Volume Factors of WB1 (g/mph/d) - From Open Roads

WB1	WB2	WB3	WB4	WB5	WB6	WB7	WB8	WB9	WB10	WB11	WB12	WB13	WB14	WB15	WB16	WB17	WB18	WB19	WB20	WB21	WB22	WB23	WB24	WB25	WB26	WB27	WB28	WB29	WB30	WB31	WB32	WB33	WB34	WB35	WB36	WB37	WB38	WB39	WB40	WB41	WB42	WB43	WB44	WB45	WB46	WB47	WB48	WB49	WB50	WB51	WB52	WB53	WB54	WB55	WB56	WB57	WB58	WB59	WB60	WB61	WB62	WB63	WB64	WB65	WB66	WB67	WB68	WB69	WB70	WB71	WB72	WB73	WB74	WB75	WB76	WB77	WB78	WB79	WB80	WB81	WB82	WB83	WB84	WB85	WB86	WB87	WB88	WB89	WB90	WB91	WB92	WB93	WB94	WB95	WB96	WB97	WB98	WB99	WB100	WB101	WB102	WB103	WB104	WB105	WB106	WB107	WB108	WB109	WB110	WB111	WB112	WB113	WB114	WB115	WB116	WB117	WB118	WB119	WB120	WB121	WB122	WB123	WB124	WB125	WB126	WB127	WB128	WB129	WB130	WB131	WB132	WB133	WB134	WB135	WB136	WB137	WB138	WB139	WB140	WB141	WB142	WB143	WB144	WB145	WB146	WB147	WB148	WB149	WB150	WB151	WB152	WB153	WB154	WB155	WB156	WB157	WB158	WB159	WB160	WB161	WB162	WB163	WB164	WB165	WB166	WB167	WB168	WB169	WB170	WB171	WB172	WB173	WB174	WB175	WB176	WB177	WB178	WB179	WB180	WB181	WB182	WB183	WB184	WB185	WB186	WB187	WB188	WB189	WB190	WB191	WB192	WB193	WB194	WB195	WB196	WB197	WB198	WB199	WB200	WB201	WB202	WB203	WB204	WB205	WB206	WB207	WB208	WB209	WB210	WB211	WB212	WB213	WB214	WB215	WB216	WB217	WB218	WB219	WB220	WB221	WB222	WB223	WB224	WB225	WB226	WB227	WB228	WB229	WB230	WB231	WB232	WB233	WB234	WB235	WB236	WB237	WB238	WB239	WB240	WB241	WB242	WB243	WB244	WB245	WB246	WB247	WB248	WB249	WB250	WB251	WB252	WB253	WB254	WB255	WB256	WB257	WB258	WB259	WB260	WB261	WB262	WB263	WB264	WB265	WB266	WB267	WB268	WB269	WB270	WB271	WB272	WB273	WB274	WB275	WB276	WB277	WB278	WB279	WB280	WB281	WB282	WB283	WB284	WB285	WB286	WB287	WB288	WB289	WB290	WB291	WB292	WB293	WB294	WB295	WB296	WB297	WB298	WB299	WB300	WB301	WB302	WB303	WB304	WB305	WB306	WB307	WB308	WB309	WB310	WB311	WB312	WB313	WB314	WB315	WB316	WB317	WB318	WB319	WB320	WB321	WB322	WB323	WB324	WB325	WB326	WB327	WB328	WB329	WB330	WB331	WB332	WB333	WB334	WB335	WB336	WB337	WB338	WB339	WB340	WB341	WB342	WB343	WB344	WB345	WB346	WB347	WB348	WB349	WB350	WB351	WB352	WB353	WB354	WB355	WB356	WB357	WB358	WB359	WB360	WB361	WB362	WB363	WB364	WB365	WB366	WB367	WB368	WB369	WB370	WB371	WB372	WB373	WB374	WB375	WB376	WB377	WB378	WB379	WB380	WB381	WB382	WB383	WB384	WB385	WB386	WB387	WB388	WB389	WB390	WB391	WB392	WB393	WB394	WB395	WB396	WB397	WB398	WB399	WB400	WB401	WB402	WB403	WB404	WB405	WB406	WB407	WB408	WB409	WB410	WB411	WB412	WB413	WB414	WB415	WB416	WB417	WB418	WB419	WB420	WB421	WB422	WB423	WB424	WB425	WB426	WB427	WB428	WB429	WB430	WB431	WB432	WB433	WB434	WB435	WB436	WB437	WB438	WB439	WB440	WB441	WB442	WB443	WB444	WB445	WB446	WB447	WB448	WB449	WB450	WB451	WB452	WB453	WB454	WB455	WB456	WB457	WB458	WB459	WB460	WB461	WB462	WB463	WB464	WB465	WB466	WB467	WB468	WB469	WB470	WB471	WB472	WB473	WB474	WB475	WB476	WB477	WB478	WB479	WB480	WB481	WB482	WB483	WB484	WB485	WB486	WB487	WB488	WB489	WB490	WB491	WB492	WB493	WB494	WB495	WB496	WB497	WB498	WB499	WB500	WB501	WB502	WB503	WB504	WB505	WB506	WB507	WB508	WB509	WB510	WB511	WB512	WB513	WB514	WB515	WB516	WB517	WB518	WB519	WB520	WB521	WB522	WB523	WB524	WB525	WB526	WB527	WB528	WB529	WB530	WB531	WB532	WB533	WB534	WB535	WB536	WB537	WB538	WB539	WB540	WB541	WB542	WB543	WB544	WB545	WB546	WB547	WB548	WB549	WB550	WB551	WB552	WB553	WB554	WB555	WB556	WB557	WB558	WB559	WB560	WB561	WB562	WB563	WB564	WB565	WB566	WB567	WB568	WB569	WB570	WB571	WB572	WB573	WB574	WB575	WB576	WB577	WB578	WB579	WB580	WB581	WB582	WB583	WB584	WB585	WB586	WB587	WB588	WB589	WB590	WB591	WB592	WB593	WB594	WB595	WB596	WB597	WB598	WB599	WB600	WB601	WB602	WB603	WB604	WB605	WB606	WB607	WB608	WB609	WB610	WB611	WB612	WB613	WB614	WB615	WB616	WB617	WB618	WB619	WB620	WB621	WB622	WB623	WB624	WB625	WB626	WB627	WB628	WB629	WB630	WB631	WB632	WB633	WB634	WB635	WB636	WB637	WB638	WB639	WB640	WB641	WB642	WB643	WB644	WB645	WB646	WB647	WB648	WB649	WB650	WB651	WB652	WB653	WB654	WB655	WB656	WB657	WB658	WB659	WB660	WB661	WB662	WB663	WB664	WB665	WB666	WB667	WB668	WB669	WB670	WB671	WB672	WB673	WB674	WB675	WB676	WB677	WB678	WB679	WB680	WB681	WB682	WB683	WB684	WB685	WB686	WB687	WB688	WB689	WB690	WB691	WB692	WB693	WB694	WB695	WB696	WB697	WB698	WB699	WB700	WB701	WB702	WB703	WB704	WB705	WB706	WB707	WB708	WB709	WB710	WB711	WB712	WB713	WB714	WB715	WB716	WB717	WB718	WB719	WB720	WB721	WB722	WB723	WB724	WB725	WB726	WB727	WB728	WB729	WB730	WB731	WB732	WB733	WB734	WB735	WB736	WB737	WB738	WB739	WB740	WB741	WB742	WB743	WB744	WB745	WB746	WB747	WB748	WB749	WB750	WB751	WB752	WB753	WB754	WB755	WB756	WB757	WB758	WB759	WB760	WB761	WB762	WB763	WB764	WB765	WB766	WB767	WB768	WB769	WB770	WB771	WB772	WB773	WB774	WB775	WB776	WB777	WB778	WB779	WB780	WB781	WB782	WB783	WB784	WB785	WB786	WB787	WB788	WB789	WB790	WB791	WB792	WB793	WB794	WB795	WB796	WB797	WB798	WB799	WB800	WB801	WB802	WB803	WB804	WB805	WB806	WB807	WB808	WB809	WB810	WB811	WB812	WB813	WB814	WB815	WB816	WB817	WB818	WB819	WB820	WB821	WB822	WB823	WB824	WB825	WB826	WB827	WB828	WB829	WB830	WB831	WB832	WB833	WB834	WB835	WB836	WB837	WB838	WB839	WB840	WB841	WB842	WB843	WB844	WB845	WB846	WB847	WB848	WB849	WB850	WB851	WB852	WB853	WB854	WB855	WB856	WB857	WB858	WB859	WB860	WB861	WB862	WB863	WB864	WB865	WB866	WB867	WB868	WB869	WB870	WB871	WB872	WB873	WB874	WB875	WB876	WB877	WB878	WB879	WB880	WB881	WB882	WB883	WB884	WB885	WB886	WB887	WB888	WB889	WB890	WB891	WB892	WB893	WB894	WB895	WB896	WB897	WB898	WB899	WB900	WB901	WB902	WB903	WB904	WB905	WB906	WB907	WB908	WB909	WB910	WB911	WB912	WB913	WB914	WB915	WB916	WB917	WB918	WB919	WB920	WB921	WB922	WB923	WB924	WB925	WB926	WB927	WB928	WB929	WB930	WB931	WB932	WB933	WB934	WB935	WB936	WB937	WB938	WB939	WB940	WB941	WB942	WB943	WB944	WB945	WB946	WB947	WB948	WB949	WB950	WB951	WB952	WB953	WB954	WB955	WB956	WB957	WB958	WB959	WB960	WB961	WB962	WB963	WB964	WB965	WB966	WB967	WB968	WB969	WB970	WB971	WB972	WB973	WB974	WB975	WB976	WB977	WB978	WB979	WB980	WB981	WB982	WB983	WB984	WB985	WB986	WB987	WB988	WB989	WB990	WB991	WB992	WB993	WB994	WB995	WB996	WB997	WB998	WB999	WB1000	WB1001	WB1002	WB1003	WB1004	WB1005	WB1006	WB1007	WB1008	WB1009	WB1010	WB1011	WB1012	WB1013	WB1014	WB1015	WB1016	WB1017	WB1018	WB1019	WB1020	WB1021	WB1022	WB1023	WB1024	WB1025	WB1026	WB1027	WB1028	WB1029	WB1030	WB1031	WB1032	WB1033	WB1034	WB1035	WB1036	WB1037	WB1038	WB1039	WB1040	WB1041	WB1042	WB1043	WB1044	WB1045	WB1046	WB1047	WB1048	WB1049	WB1050	WB1051	WB1052	WB1053	WB1054	WB1055	WB1056	WB1057	WB1058	WB1059	WB1060	WB1061	WB1062	WB1063	WB1064	WB1065	WB1066	WB1067	WB1068	WB1069	WB1070	WB1071	WB1072	WB1073	WB1074	WB1075	WB1076	WB1077	WB1078	WB1079	WB1080	WB1081	WB1082	WB1083	WB1084	WB1085	WB1086	WB1087	WB1088	WB1089	WB1090	WB1091	WB1092	WB1093	WB1094	WB1095	WB1096	WB1097	WB1098	WB1099	WB1100	WB1101	WB1102	WB1103	WB1104	WB1105	WB1106	WB1107	WB1108	WB1109	WB1110	WB1111	WB1112	WB1113	WB1114	WB1115	WB1116	WB1117	WB1118	WB1119	WB1120	WB1121	WB1122	WB1123	WB1124	WB1125	WB1126	WB1127	WB1128	WB1129	WB1130	WB1131	WB1132	WB1133	WB1134	WB1135	WB1136	WB1137	WB1138	WB1139	WB1140	WB1141	WB1142	WB1143	WB1144	WB1145	WB1146	WB1147	WB1148	WB1149	WB1150	WB1151	WB1152	WB1153	WB1154	WB1155	WB1156	WB1157	WB1158	WB1159	WB1160	WB1161	WB1162	WB1163	WB1164	WB1165	WB1166	WB1167	WB1168	WB1169	WB1170	WB1171	WB1172	WB1173	WB1174	WB1175	WB1176	WB1177	WB1178	WB1179	WB1180	WB1181	WB1182	WB1183	WB1184	WB1185	WB1186	WB1187	WB1188	WB1189	WB1190	WB1191	WB1192	WB1193	WB1194	WB1195	WB1196	WB1197	WB1198	WB1199	WB1200	WB1201	WB1202	WB1203	WB1204	WB1205	WB1206	WB1207	WB1208	WB1209	WB1210	WB1211	WB1212	WB1213	WB1214	WB1215	WB1216	WB1217	WB1218	WB1219	WB1220	WB1221	WB1222	WB1223	WB1224	WB1225	WB1226	WB1227	WB1228	WB1229	WB1230	WB1231	WB1232	WB1233	WB1234	WB1235	WB1236	WB1237	WB1238	WB1239	WB1240	WB1241	WB1242	WB1243	WB1244	WB1245	WB1246	WB1247	WB1248	WB1249	WB1250	WB1251	WB1252	WB1253	WB1254	WB1255	WB1256	WB1257	WB1258	WB1259	WB1260	WB1261	WB1262	WB1263	WB1264	WB1265	WB1266	WB1267	WB1268	WB1269	WB1270	WB1271	WB1272	WB1273	WB1274	WB1275	WB1276	WB1277	WB1278	WB1279	WB1280	WB1281	WB1282	WB1283	WB1284	WB1285	WB1286	WB1287	WB1288	WB1289	WB1290	WB1291	WB1292	WB1293	WB1294	WB1295	WB1296	WB1297	WB1298	WB1299	WB1300	WB1301	WB1302	WB1303	WB1304	WB1305	WB1306	WB1307	WB1308	WB1309	WB1310	WB1311	WB1312	WB1313	WB1314	WB1315	WB1316	WB1317	WB1318	WB1319	WB1320	WB1321	WB1322	WB1323	WB1324	WB1325	WB1326	WB1327	WB1328</
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Scenario: KTN (Year 2029)

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Project: NDA  
Scenario: KTN (Year 2029)  
Title: Hourly Vehicular Emission Factors of RSP [g/mile/hr] - from Open Roads

[illegible]

















Scenario: PLN (Year 2022)

[illegible]

Project: NDA  
Scenario: NDA Year 2022  
Title: Hourly Vehicle Emission Factors of NDA (g/mile/h) - from Open Roads

Link Name	Start	End	Start	End	Flow	Hour 00		Hour 01		Hour 02		Hour 03		Hour 04		Hour 05		Hour 06		Hour 07		Hour 08		Hour 09		Hour 10		Hour 11		Hour 12		Hour 13		Hour 14		Hour 15		Hour 16		Hour 17		Hour 18		Hour 19		Hour 20		Hour 21		Hour 22		Hour 23																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
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Hour 01	Hour 02	Hour 03	Hour 04	Hour 05	Hour 06	Hour 07	Hour 08	Hour 09	Hour 10	Hour 11	Hour 12	Hour 13	Hour 14	Hour 15	Hour 16	Hour 17	Hour 18	Hour 19	Hour 20	Hour 21	Hour 22	Hour 23
Link No.	4-0101	4-0102	4-0103	4-0104	4-0105	4-0106	4-0107	4-0108	4-0109	4-0110	4-0111	4-0112	4-0113	4-0114	4-0115	4-0116	4-0117	4-0118	4-0119	4-0120	4-0121	4-0122
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David Little







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Project: NCEA  
Scenario: E&H Year 2023  
Title: Hourly Vehicle Emission Factors of NCE (g/mile/h) - from Open Roads

Link	Link ID	Start	End	Dist (km)	Ref (km)	Hour 01		Hour 02		Hour 03		Hour 04		Hour 05		Hour 06		Hour 07		Hour 08		Hour 09		Hour 10		Hour 11		Hour 12		Hour 13		Hour 14		Hour 15		Hour 16		Hour 17		Hour 18		Hour 19		Hour 20		Hour 21		Hour 22		Hour 23		
						Flow	End	Flow	End	Flow	End	Flow	End	Flow	End	Flow	End	Flow	End	Flow	End	Flow	End	Flow	End	Flow	End	Flow	End	Flow	End	Flow	End	Flow	End	Flow	End	Flow	End	Flow	End	Flow	End	Flow	End	Flow	End	Flow	End			
Local City Street (2-way)	30140	831675	846137	831680	846184	84	127	0.021706	82	0.016121	86	0.0000	10	0.586368	46	0.007003	77	0.016107	230	0.615786	126	0.041591	877	0.00112	634	0.021706	420	0.021020	635	0.615786	619	0.016106	400	0.021061	340	0.021061	644	0.020717	608	0.021061	606	0.606686	406	0.041591	472	0.020706	395	0.021061	281	0.015777	216	0.021061
Regional Tau Wai Service Road West (E)	30028	831214	830515	831214	830540	32	34	1.011206	22	1.278778	10	1.181830	12	1.330816	20	1.247038	58	1.170229	140	1.040884	180	1.427726	366	1.370304	364	1.359566	367	1.340489	367	1.340387	364	1.360275	159	1.330241	154	1.330285	176	1.373193	361	1.36171	175	1.410878	161	1.390458	125	1.379905	105	1.38741	74	1.345706	62	1.330021
Regional Tau Wai Service Road West (E)	30025	831214	830540	831272	830524	21	34	1.011206	22	1.278778	10	1.181830	12	1.330816	20	1.247038	58	1.170229	140	1.040884	180	1.427726	366	1.370304	364	1.359566	367	1.340489	367	1.340387	364	1.360275	159	1.330241	154	1.330285	176	1.373193	361	1.36171	175	1.410878	161	1.390458	125	1.379905	105	1.38741	74	1.345706	62	1.330021
Regional Tau Wai Service Road West (E)	30026	831272	830524	831295	830504	25	34	1.011206	22	1.278778	10	1.181830	12	1.330816	20	1.247038	58	1.170229	140	1.040884	180	1.427726	366	1.370304	364	1.359566	367	1.340489	367	1.340387	364	1.360275	159	1.330241	154	1.330285	176	1.373193	361	1.36171	175	1.410878	161	1.390458	125	1.379905	105	1.38741	74	1.345706	62	1.330021
Regional Tau Wai Service Road West (E)	30037	831195	830664	831132	830667	36	34	1.011206	22	1.278778	10	1.181830	12	1.330816	20	1.247038	58	1.170229	140	1.040884	180	1.427726	366	1.370304	364	1.359566	367	1.340489	367	1.340387	364	1.360275	159	1.330241	154	1.330285	176	1.373193	361	1.36171	175	1.410878	161	1.390458	125	1.379905	105	1.38741	74	1.345706	62	1.330021
Regional Tau Wai Service Road West (E)	30039	831159	830500	831161	830512	81	34	1.011206	22	1.278778	10	1.181830	12	1.330816	20	1.247038	58	1.170229	140	1.040884	180	1.427726	366	1.370304	364	1.359566	367	1.340489	367	1.340387	364	1.360275	159	1.330241	154	1.330285	176	1.373193	361	1.36171	175	1.410878	161	1.390458	125	1.379905	105	1.38741	74	1.345706	62	1.330021
Regional Tau Wai Service Road West (E)	30031	831406	830512	831416	830504	35	34	1.011206	22	1.278778	10	1.181830	12	1.330816	20	1.247038	58	1.170229	140	1.040884	180	1.427726	366	1.370304	364	1.359566	367	1.340489	367	1.340387	364	1.360275	159	1.330241	154	1.330285	176	1.373193	361	1.36171	175	1.410878	161	1.390458	125	1.379905	105	1.38741	74	1.345706	62	1.330021
Regional Tau Wai Service Road West (E)	30032	831416	830504	831467	830507	58	34	1.011206	22	1.278778	10	1.181830	12	1.330816	20	1.247038	58	1.170229	140	1.040884	180	1.427726	366	1.370304	364	1.359566	367	1.340489	367	1.340387	364	1.360275	159	1.330241	154	1.330285	176	1.373193	361	1.36171	175	1.410878	161	1.390458	125	1.379905	105	1.38741	74	1.345706	62	1.330021
Regional Tau Wai Service Road West (E)	30033	831467	830507	831508	830508	118	34	1.011206	22	1.278778	10	1.181830	12	1.330816	20	1.247038	58	1.170229	140	1.040884	180	1.427726	366	1.370304	364	1.359566	367	1.340489	367	1.340387	364	1.360275	159	1.330241	154	1.330285	176	1.373193	361	1.36171	175	1.410878	161	1.390458	125	1.379905	105	1.38741	74	1.345706	62	1.330021
Regional Tau Wai Service Road West (E)	30036	831508	830508	831517	830519	78	34	1.011206	22	1.278778	10	1.181830	12	1.330816	20	1.247038	58	1.170229	140	1.040884	180	1.427726	366	1.370304	364	1.359566	367	1.340489	367	1.340387	364	1.360275	159	1.330241	154	1.330285	176	1.373193	361	1.36171	175	1.410878	161	1.390458	125	1.379905	105	1.38741	74	1.345706	62	1.330021
Regional Tau Wai Service Road West (E)	30138	831671	831624.9	831712.2	831624.5	48	34	1.011206	22	1.278778	10	1.181830	12	1.330816	20	1.247038	58	1.170229	140	1.040884	180	1.427726	366	1.370304	364	1.359566	367	1.340489	367	1.340387	364	1.360275	159	1.330241	154	1.330285	176	1.373193	361	1.36171	175	1.410878	161	1.390458	125	1.379905	105	1.38741	74	1.345706	62	1.330021
Regional Tau Wai Service Road West (E)	30039	831710.1	831625.7	831662.2	831624.7	77	43	1.040887	27	0.989512	13	0.931261	17	0.977761	16	0.980287	26	1.040884	74	1.06069	176	1.068229	227	1.054588	209	1.028316	207	1.054588	211	1.028316	207	1.054588	211	1.028316	207	1.054588	211	1.028316	207	1.054588	211	1.028316	207	1.054588	211	1.028316	207	1.054588	211	1.028316	207	1.054588
Regional Tau Wai Service Road West (E)	30040	831673.2	831625.6	831662.2	831624.7	77	43	1.040887	27	0.989512	13	0.931261	17	0.977761	16	0.980287	26	1.040884	74	1.06069	176	1.068229	227	1.054588	209	1.028316	207	1.054588	211	1.028316	207	1.054588	211	1.028316	207	1.054588	211	1.028316	207	1.054588	211	1.028316	207	1.054588	211	1.028316	207	1.054588	211	1.028316	207	1.054588
Regional Tau Wai Service Road West (E)	30042	831662.2	831624.7	831667.2	831642.2	119	43	1.040887	27	0.989512	13	0.931261	17	0.977761	16	0.980287	26	1.040884	74	1.06069	176	1.068229	227	1.054588	209	1.028316	207	1.054588	211	1.028316	207	1.054588	211	1.028316	207	1.054588	211	1.028316	207	1.054588	211	1.028316	207	1.054588	211	1.028316	207	1.054588	211	1.028316	207	1.054588
Regional Tau Wai Service Road West (E)	30045	831657.7	831642.2	831641	831639.7	58	43	1.040887	27	0.989512	13	0.931261	17	0.977761	16	0.980287	26	1.040884	74	1.06069	176	1.068229	227	1.054588	209	1.028316	207	1.054588	211	1.028316	207	1.054588	211	1.028316	207	1.054588	211	1.028316	207	1.054588	211	1.028316	207	1.054588	211	1.028316	207	1.054588	211	1.028316	207	1.054588
Regional Tau Wai Service Road West (E)	30046	831641	831642.2	831640.3	831639	35	43	1.040887	27	0.989512	13	0.931261	17	0.977761	16	0.980287	26	1.040884	74	1.06069	176	1.068229	227	1.054588	209	1.028316	207	1.054588	211	1.028316	207	1.054588	211	1.028316	207	1.054588	211	1.028316	207	1.054588	211	1.028316	207	1.054588	211	1.028316	207	1.054588	211	1.028316	207	1.054588
Regional Tau Wai Service Road West (E)	30047	831640.3	831639	831636	831627.6	61	43	1.040887	27	0.989512	13	0.931261	17	0.977761	16	0.980287	26	1.040884	74	1.06069	176	1.068229	227	1.054588	209	1.028316	207	1.054588	211	1.028316	207	1.054588	211	1.028316	207	1.054588	211	1.028316	207	1.054588	211	1.028316	207	1.054588	211	1.028316	207	1.054588	211	1.028316	207	1.054588
Regional Tau Wai Service Road West (E)	30048	831627.6	831627.6	831120.8	831622.1	30	43	1.040887	27	0.989512	13	0.931261	17	0.977761	16	0.980287	26	1.040884	74	1.06069	176	1.068229	227	1.054588	209	1.028316	207	1.054588	211	1.028316	207	1.054588	211	1.028316	207	1.054588	211	1.028316	207	1.054588	211	1.028316	207	1.054588	211	1.028316	207	1.054588	211	1.028316	207	1.054588
Regional Tau Wai Service Road West (E)	30050	831610.8	831626.1	831725.6	831626.2	34	43	1.040887	27	0.989512	13	0.931261	17	0.977761	16	0.980287	26	1.040884	74	1.06069	176	1.068229	227	1.054588	209	1.028316	207	1.054588	211	1.028316	207	1.054588	211	1.028316	207	1.054588	211	1.028316	207	1.054588	211	1.028316	207	1.054588	211	1.028316	207	1.054588	211	1.028316	207	1.054588
Regional Tau Wai Service Road West (E)	30051	831626.6	831625.2	831727.5	831626	34	43	1.040887	27	0.989512	13	0.931261	17	0.977761	16	0.980287	26	1.040884	74	1.06069	176	1.068229	227	1.054588	209	1.028316	207	1.054588	211	1.028316	207	1.054588	211	1.028316	207	1.054588	211	1.028316	207	1.054588	211	1.028316	207	1.054588	211	1.028316	207	1.054588	211	1.028316	207	1.054588
Regional Tau Wai Service Road West (E)	30052	831737.7	831649.2	831811.3	831651.5	30	43	1.040887	27	0.989512	13	0.931261	17	0.977761	16	0.980287	26	1.040884	74	1.06069	176	1.068229	227	1.054588	209	1.028316	207	1.054588	211	1.028316	207	1.054588	211	1.028316	207	1.054588	211	1.028316	207													





Title: Hourly Vehicular Emission Factors of RSP (g/mile/hr) - from Open Roads

Road Links				Flow 00				Flow 01				Flow 02				Flow 03				Flow 04				Flow 05				Flow 06				Flow 07				Flow 08				Flow 09				Flow 10				Flow 11				Flow 12				Flow 13				Flow 14				Flow 15				Flow 16				Flow 17				Flow 18				Flow 19				Flow 20				Flow 21				Flow 22				Flow 23				Flow 24				Flow 25				Flow 26				Flow 27				Flow 28				Flow 29				Flow 30				Flow 31				Flow 32				Flow 33				Flow 34				Flow 35				Flow 36				Flow 37				Flow 38				Flow 39				Flow 40				Flow 41				Flow 42				Flow 43				Flow 44				Flow 45				Flow 46				Flow 47				Flow 48				Flow 49				Flow 50				Flow 51				Flow 52				Flow 53				Flow 54				Flow 55				Flow 56				Flow 57				Flow 58				Flow 59				Flow 60				Flow 61				Flow 62				Flow 63				Flow 64				Flow 65				Flow 66				Flow 67				Flow 68				Flow 69				Flow 70				Flow 71				Flow 72				Flow 73				Flow 74				Flow 75				Flow 76				Flow 77				Flow 78				Flow 79				Flow 80				Flow 81				Flow 82				Flow 83				Flow 84				Flow 85				Flow 86				Flow 87				Flow 88				Flow 89				Flow 90				Flow 91				Flow 92				Flow 93				Flow 94				Flow 95				Flow 96				Flow 97				Flow 98				Flow 99																																																																																																																																																																																																																																																																																																																																						
Link No	x_start	y_start	x_end	y_end	Rd(US)	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow	Flow

Project: NDA  
Scenario: FLN (Year 2029)  
Title: Hourly Vehicular Emission Factors of RSP (g/mile/hr) - from Open Road

[illegible]





Title: Hourly Vehicular Emission Factors of RSP (g/mile/hr) - from Open



Project: NYS  
Scenario: F&B Year 2025

Title: Hourly Vehicle Emission Factors of RSP (g/mile/hr) - from Open Roads

Link ID	Link Name	Flow	Hour 01		Hour 02		Hour 03		Hour 04		Hour 05		Hour 06		Hour 07		Hour 08		Hour 09		Hour 10		Hour 11		Hour 12		Hour 13		Hour 14		Hour 15		Hour 16		Hour 17		Hour 18		Hour 19		Hour 20		Hour 21		Hour 22		Hour 23		
			Flow	End	Flow	End	Flow	End	Flow	End	Flow	End	Flow	End	Flow	End	Flow	End	Flow	End	Flow	End	Flow	End	Flow	End	Flow	End	Flow	End	Flow	End	Flow	End	Flow	End	Flow	End	Flow	End	Flow	End	Flow	End	Flow	End	Flow	End	
30340	83275	84157	83309	84244	87	127	0.000000	82	0.000000	86	0.000000	50	0.000000	46	0.000000	77	0.000000	238	0.000000	150	0.000000	177	0.000000	144	0.000000	636	0.000000	631	0.000000	403	0.000000	400	0.000000	344	0.000000	608	0.000000	605	0.000000	408	0.000000	472	0.000000	395	0.000000	241	0.000000	233	0.000000
30324	83324	838515	833254	838540	32	34	0.000000	22	0.000000	12	0.000000	20	0.000000	20	0.000000	58	0.000000	140	0.000000	140	0.000000	180	0.000000	166	0.000000	167	0.000000	167	0.000000	167	0.000000	164	0.000000	164	0.000000	167	0.000000	167	0.000000	167	0.000000	167	0.000000	167	0.000000	167	0.000000	167	0.000000
30325	833124	838540	833272	838554	23	34	0.000000	22	0.000000	12	0.000000	20	0.000000	58	0.000000	140	0.000000	140	0.000000	180	0.000000	166	0.000000	166	0.000000	167	0.000000	167	0.000000	167	0.000000	164	0.000000	164	0.000000	167	0.000000	167	0.000000	167	0.000000	167	0.000000	167	0.000000	167	0.000000	167	0.000000
30326	833172	838554	833295	838584	25	34	0.000000	22	0.000000	12	0.000000	20	0.000000	58	0.000000	140	0.000000	140	0.000000	180	0.000000	166	0.000000	166	0.000000	167	0.000000	167	0.000000	167	0.000000	164	0.000000	164	0.000000	167	0.000000	167	0.000000	167	0.000000	167	0.000000	167	0.000000	167	0.000000	167	0.000000
30327	833195	838564	833332	838597	36	34	0.000000	22	0.000000	12	0.000000	20	0.000000	58	0.000000	140	0.000000	140	0.000000	180	0.000000	166	0.000000	166	0.000000	167	0.000000	167	0.000000	167	0.000000	164	0.000000	164	0.000000	167	0.000000	167	0.000000	167	0.000000	167	0.000000	167	0.000000	167	0.000000	167	0.000000
30328	833132	838567	833359	838600	32	34	0.000000	22	0.000000	12	0.000000	20	0.000000	58	0.000000	140	0.000000	140	0.000000	180	0.000000	166	0.000000	166	0.000000	167	0.000000	167	0.000000	167	0.000000	164	0.000000	164	0.000000	167	0.000000	167	0.000000	167	0.000000	167	0.000000	167	0.000000	167	0.000000	167	0.000000
30329	833159	838576	833406	838612	61	34	0.000000	22	0.000000	12	0.000000	20	0.000000	58	0.000000	140	0.000000	140	0.000000	180	0.000000	166	0.000000	166	0.000000	167	0.000000	167	0.000000	167	0.000000	164	0.000000	164	0.000000	167	0.000000	167	0.000000	167	0.000000	167	0.000000	167	0.000000	167	0.000000	167	0.000000
30331	833406	838612	833456	838646	35	34	0.000000	22	0.000000	12	0.000000	20	0.000000	58	0.000000	140	0.000000	140	0.000000	180	0.000000	166	0.000000	166	0.000000	167	0.000000	167	0.000000	167	0.000000	164	0.000000	164	0.000000	167	0.000000	167	0.000000	167	0.000000	167	0.000000	167	0.000000	167	0.000000	167	0.000000
30332	833435	838646	833487	838687	58	34	0.000000	22	0.000000	12	0.000000	20	0.000000	58	0.000000	140	0.000000	140	0.000000	180	0.000000	166	0.000000	166	0.000000	167	0.000000	167	0.000000	167	0.000000	164	0.000000	164	0.000000	167	0.000000	167	0.000000	167	0.000000	167	0.000000	167	0.000000	167	0.000000	167	0.000000
30333	833487	838687	833506	838708	138	34	0.000000	22	0.000000	12	0.000000	20	0.000000	58	0.000000	140	0.000000	140	0.000000	180	0.000000	166	0.000000	166	0.000000	167	0.000000	167	0.000000	167	0.000000	164	0.000000	164	0.000000	167	0.000000	167	0.000000	167	0.000000	167	0.000000	167	0.000000	167	0.000000	167	0.000000
30336	833508	838708	833575	838739	78	34	0.000000	22	0.000000	12	0.000000	20	0.000000	58	0.000000	140	0.000000	140	0.000000	180	0.000000	166	0.000000	166	0.000000	167	0.000000	167	0.000000	167	0.000000	164	0.000000	164	0.000000	167	0.000000	167	0.000000	167	0.000000	167	0.000000	167	0.000000	167	0.000000	167	0.000000
30338	833671	838825	833712	838825	5	34	0.000000	22	0.000000	12	0.000000	20	0.000000	58	0.000000	140	0.000000	140	0.000000	180	0.000000	166	0.000000	166	0.000000	167	0.000000	167	0.000000	167	0.000000	164	0.000000	164	0.000000	167	0.000000	167	0.000000	167	0.000000	167	0.000000	167	0.000000	167	0.000000	167	0.000000
30339	833750	838825	833872	838863	48	43	0.048632	27	0.047561	13	0.048178	17	0.048615	16	0.048356	26	0.047626	74	0.048534	176	0.048886	227	0.051573	209	0.050666	207	0.050526	211	0.050037	211	0.050047	207	0.050548	201	0.050268	204	0.050847	221	0.050779	203	0.050463	158	0.048992	132	0.049561	94	0.050513	78	0.050039
30340	833872	838863	833926	838867	77	43	0.048632	27	0.047561	13	0.048178	17	0.048615	16	0.048356	26	0.047626	74	0.048534	176	0.048886	227	0.051573	209	0.050666	207	0.050526	211	0.050037	211	0.050047	207	0.050548	201	0.050268	204	0.050847	221	0.050779	203	0.050463	158	0.048992	132	0.049561	94	0.050513	78	0.050039
30342	833926	838867	833967	838862	139	43	0.048632	27	0.047561	13	0.048178	17	0.048615	16	0.048356	26	0.047626	74	0.048534	176	0.048886	227	0.051573	209	0.050666	207	0.050526	211	0.050037	211	0.050047	207	0.050548	201	0.050268	204	0.050847	221	0.050779	203	0.050463	158	0.048992	132	0.049561	94	0.050513	78	0.050039
30345	833967	838862	834002	838867	58	43	0.048632	27	0.047561	13	0.048178	17	0.048615	16	0.048356	26	0.047626	74	0.048534	176	0.048886	227	0.051573	209	0.050666	207	0.050526	211	0.050037	211	0.050047	207	0.050548	201	0.050268	204	0.050847	221	0.050779	203	0.050463	158	0.048992	132	0.049561	94	0.050513	78	0.050039
30346	833967	838862	834002	838867	35	43	0.048632	27	0.047561	13	0.048178	17	0.048615	16	0.048356	26	0.047626	74	0.048534	176	0.048886	227	0.051573	209	0.050666	207	0.050526	211	0.050037	211	0.050047	207	0.050548	201	0.050268	204	0.050847	221	0.050779	203	0.050463	158	0.048992	132	0.049561	94	0.050513	78	0.050039
30347	833967	838862	834002	838867	65	43	0.048632	27	0.047561	13	0.048178	17	0.048615	16	0.048356	26	0.047626	74	0.048534	176	0.048886	227	0.051573	209	0.050666	207	0.050526	211	0.050037	211	0.050047	207	0.050548	201	0.050268	204	0.050847	221	0.050779	203	0.050463	158	0.048992	132	0.049561	94	0.050513	78	0.050039
30349	833967	838862	834002	838867	35	43	0.048632	27	0.047561	13	0.048178	17	0.048615	16	0.048356	26	0.047626	74	0.048534	176	0.048886	227	0.051573	209	0.050666	207	0.050526	211	0.050037	211	0.050047	207	0.050548	201	0.050268	204	0.050847	221	0.050779	203	0.050463	158	0.048992	132	0.049561	94	0.050513	78	0.050039
30350	833967	838862	834002	838867	34	43	0.048632	27	0.047561	13	0.048178	17	0.048615	16	0.048356	26	0.047626	74	0.048534	176	0.048886	227	0.051573	209	0.050666	207	0.050526	211	0.050037	211	0.050047	207	0.050548	201	0.050268	204	0.050847	221	0.050779	203	0.050463	158	0.048992	132	0.049561	94	0.050513	78	0.050039
30352	833967	838862	834002	838867	23	43	0.048632	27	0.047561	13	0.048178	17	0.048615	16	0.048356	26	0.047626	74	0.048534	176	0.048886	227	0.051573	209	0.050666	207	0.050526	211	0.050037	211	0.050047	207	0.050548	201	0.050268	204	0.050847	221	0.050779	203	0.050463	158	0.048992	132	0.049561	94	0.050513	78	0.050039
30353	833967	838862	834002	838867	13	43	0.048632	27	0.047561	13	0.048178	17	0.048615	16	0.048356	26	0.047626	74	0.048534	176	0.048886	227	0.051573	209	0.050666	207	0.050526	211	0.050037	211	0.050047	207	0.050548	201	0.050268	204	0.050847	221	0.050779	203	0.050463	158	0.048992	132	0.049561	94	0.050513	78	0.050039
30354	833967	838862	834002	838867	13	43	0.048632	27	0.047561	13	0.048178	17	0.048615	16	0.0483																																		

## **Appendix 3.5b**

### **Hourly Vehicular Emission Factors**

#### **(Ventilation Shaft)**



### Design of the Ventilation Shaft

Location (X,Y):	834046, 838386	*Reference from the EIA Study "Liantang / Heung Yuen Wai Boundary Control Point and Associated Works"
Temperature :	293 K	
Stack Diameter :	6 m	
Exit Velocity :	6 m/s	

### Calculation of NOx Emissions from Ventilation Shaft (Liantang Highway) (Year 2022)

Hour		Flow ID	Direction	Traffic Flow	Emission Factor @ Year 2024	Tunnel Length	Total Emission in Tunnel	Emission from Vent Shaft*
				(veh/hr)	(g/mile-veh)	(km)	(g/s)	(g/s)
00:00	01:00	469	NB	346	1.530	4.8	0.439	0.270
		470	SB	359	1.274	4.8	0.379	
01:00	02:00	469	NB	186	1.534	4.8	0.236	0.145
		470	SB	193	1.268	4.8	0.203	
02:00	03:00	469	NB	110	1.548	4.8	0.141	0.087
		470	SB	114	1.290	4.8	0.122	
03:00	04:00	469	NB	89	1.555	4.8	0.115	0.071
		470	SB	92	1.306	4.8	0.100	
04:00	05:00	469	NB	77	1.531	4.8	0.098	0.061
		470	SB	80	1.296	4.8	0.086	
05:00	06:00	469	NB	116	1.556	4.8	0.149	0.092
		470	SB	121	1.292	4.8	0.130	
06:00	07:00	469	NB	348	1.544	4.8	0.445	0.274
		470	SB	361	1.291	4.8	0.386	
07:00	08:00	469	NB	914	1.536	4.8	1.163	0.717
		470	SB	948	1.284	4.8	1.008	
08:00	09:00	469	NB	1178	1.628	4.8	1.589	0.978
		470	SB	1222	1.359	4.8	1.376	
09:00	10:00	469	NB	944	1.511	4.8	1.182	0.728
		470	SB	979	1.262	4.8	1.024	
10:00	11:00	469	NB	835	1.485	4.8	1.027	0.633
		470	SB	866	1.241	4.8	0.890	
11:00	12:00	469	NB	834	1.478	4.8	1.021	0.628
		470	SB	865	1.233	4.8	0.883	
12:00	13:00	469	NB	837	1.470	4.8	1.019	0.627
		470	SB	868	1.226	4.8	0.882	
13:00	14:00	469	NB	815	1.470	4.8	0.993	0.610
		470	SB	845	1.222	4.8	0.855	
14:00	15:00	469	NB	865	1.472	4.8	1.055	0.649
		470	SB	897	1.228	4.8	0.913	
15:00	16:00	469	NB	863	1.475	4.8	1.054	0.648
		470	SB	895	1.227	4.8	0.909	
16:00	17:00	469	NB	906	1.485	4.8	1.115	0.686
		470	SB	940	1.239	4.8	0.965	
17:00	18:00	469	NB	1041	1.528	4.8	1.318	0.811
		470	SB	1079	1.276	4.8	1.141	
18:00	19:00	469	NB	1111	1.566	4.8	1.442	0.888
		470	SB	1152	1.308	4.8	1.248	
19:00	20:00	469	NB	873	1.511	4.8	1.093	0.672
		470	SB	906	1.258	4.8	0.944	
20:00	21:00	469	NB	652	1.503	4.8	0.812	0.499
		470	SB	676	1.252	4.8	0.701	
21:00	22:00	469	NB	554	1.509	4.8	0.693	0.426
		470	SB	574	1.257	4.8	0.598	
22:00	23:00	469	NB	561	1.511	4.8	0.702	0.432
		470	SB	582	1.259	4.8	0.607	
23:00	24:00	469	NB	503	1.512	4.8	0.630	0.387
		470	SB	521	1.260	4.8	0.544	

Note\* According to the EIA Study "Liantang / Heung Yuen Wai Boundary Control Point and Associated Works", 33% of total emission inside the tunnel will be discharged from the ventilation shafts near Fanling

### Design of the Ventilation Shaft

Location (X,Y):	834046, 838386	*Reference from the EIA Study "Liantang / Heung Yuen Wai Boundary Control Point and Associated Works"
Temperature :	293 K	
Stack Diameter :	6 m	
Exit Velocity :	6 m/s	

### Calculation of RSP Emissions from Ventilation Shaft (Liantang Highway) (Year 2022)

Hour		Flow ID	Direction	Traffic Flow	Emission Factor @ Year 2020	Tunnel Length	Total Emission in Tunnel	Emission from Vent Shaft*
				(veh/hr)	(g/mile-veh)	(km)	(g/s)	(g/s)
00:00	01:00	469	NB	346	0.088	4.8	0.025	0.015
		470	SB	359	0.071	4.8	0.021	
01:00	02:00	469	NB	186	0.088	4.8	0.014	0.008
		470	SB	193	0.071	4.8	0.011	
02:00	03:00	469	NB	110	0.089	4.8	0.008	0.005
		470	SB	114	0.072	4.8	0.007	
03:00	04:00	469	NB	89	0.089	4.8	0.007	0.004
		470	SB	92	0.073	4.8	0.006	
04:00	05:00	469	NB	77	0.087	4.8	0.006	0.003
		470	SB	80	0.072	4.8	0.005	
05:00	06:00	469	NB	116	0.088	4.8	0.008	0.005
		470	SB	121	0.071	4.8	0.007	
06:00	07:00	469	NB	348	0.088	4.8	0.025	0.015
		470	SB	361	0.071	4.8	0.021	
07:00	08:00	469	NB	914	0.087	4.8	0.066	0.040
		470	SB	948	0.071	4.8	0.055	
08:00	09:00	469	NB	1178	0.094	4.8	0.092	0.056
		470	SB	1222	0.077	4.8	0.078	
09:00	10:00	469	NB	944	0.087	4.8	0.068	0.042
		470	SB	979	0.071	4.8	0.058	
10:00	11:00	469	NB	835	0.087	4.8	0.060	0.037
		470	SB	866	0.071	4.8	0.051	
11:00	12:00	469	NB	834	0.087	4.8	0.060	0.037
		470	SB	865	0.071	4.8	0.051	
12:00	13:00	469	NB	837	0.087	4.8	0.060	0.037
		470	SB	868	0.071	4.8	0.051	
13:00	14:00	469	NB	815	0.087	4.8	0.059	0.036
		470	SB	845	0.070	4.8	0.049	
14:00	15:00	469	NB	865	0.087	4.8	0.062	0.038
		470	SB	897	0.071	4.8	0.052	
15:00	16:00	469	NB	863	0.087	4.8	0.062	0.038
		470	SB	895	0.070	4.8	0.052	
16:00	17:00	469	NB	906	0.087	4.8	0.065	0.040
		470	SB	940	0.071	4.8	0.055	
17:00	18:00	469	NB	1041	0.088	4.8	0.076	0.046
		470	SB	1079	0.072	4.8	0.064	
18:00	19:00	469	NB	1111	0.090	4.8	0.083	0.051
		470	SB	1152	0.074	4.8	0.070	
19:00	20:00	469	NB	873	0.087	4.8	0.063	0.038
		470	SB	906	0.070	4.8	0.053	
20:00	21:00	469	NB	652	0.088	4.8	0.047	0.029
		470	SB	676	0.071	4.8	0.040	
21:00	22:00	469	NB	554	0.088	4.8	0.040	0.024
		470	SB	574	0.071	4.8	0.034	
22:00	23:00	469	NB	561	0.088	4.8	0.041	0.025
		470	SB	582	0.071	4.8	0.034	
23:00	24:00	469	NB	503	0.087	4.8	0.036	0.022
		470	SB	521	0.071	4.8	0.031	

Note\* According to the EIA Study "Liantang / Heung Yuen Wai Boundary Control Point and Associated Works", 33% of total emission inside the tunnel will be discharged from the ventilation shafts near Fanling

### Design of the Ventilation Shaft

Location (X,Y):	834046, 838386	*Reference from the EIA Study "Liantang / Heung Yuen Wai Boundary Control Point and Associated Works"
Temperature :	293 K	
Stack Diameter :	6 m	
Exit Velocity :	6 m/s	

### Calculation of NOx Emissions from Ventilation Shaft (Liantang Highway) (Year 2029)

Hour		Flow ID	Direction	Traffic Flow	Emission Factor @ Year 2024	Tunnel Length	Total Emission in Tunnel	Emission from Vent Shaft*
				(veh/hr)	(g/mile-veh)	(km)	(g/s)	(g/s)
00:00	01:00	469	NB	342	0.685	4.8	0.194	0.120
		470	SB	348	0.584	4.8	0.168	
01:00	02:00	469	NB	184	0.685	4.8	0.104	0.065
		470	SB	188	0.586	4.8	0.091	
02:00	03:00	469	NB	109	0.693	4.8	0.063	0.039
		470	SB	111	0.593	4.8	0.055	
03:00	04:00	469	NB	88	0.704	4.8	0.051	0.031
		470	SB	89	0.593	4.8	0.044	
04:00	05:00	469	NB	77	0.692	4.8	0.044	0.027
		470	SB	78	0.599	4.8	0.039	
05:00	06:00	469	NB	115	0.706	4.8	0.067	0.041
		470	SB	117	0.594	4.8	0.058	
06:00	07:00	469	NB	344	0.693	4.8	0.198	0.122
		470	SB	350	0.593	4.8	0.172	
07:00	08:00	469	NB	903	0.689	4.8	0.516	0.318
		470	SB	920	0.587	4.8	0.448	
08:00	09:00	469	NB	1165	0.715	4.8	0.690	0.425
		470	SB	1186	0.609	4.8	0.599	
09:00	10:00	469	NB	933	0.678	4.8	0.524	0.323
		470	SB	950	0.577	4.8	0.454	
10:00	11:00	469	NB	825	0.667	4.8	0.456	0.281
		470	SB	840	0.567	4.8	0.395	
11:00	12:00	469	NB	824	0.663	4.8	0.453	0.279
		470	SB	839	0.563	4.8	0.392	
12:00	13:00	469	NB	827	0.659	4.8	0.452	0.278
		470	SB	842	0.559	4.8	0.390	
13:00	14:00	469	NB	806	0.658	4.8	0.439	0.270
		470	SB	820	0.558	4.8	0.379	
14:00	15:00	469	NB	855	0.660	4.8	0.467	0.288
		470	SB	871	0.562	4.8	0.406	
15:00	16:00	469	NB	853	0.661	4.8	0.467	0.288
		470	SB	868	0.563	4.8	0.405	
16:00	17:00	469	NB	896	0.664	4.8	0.493	0.304
		470	SB	912	0.566	4.8	0.427	
17:00	18:00	469	NB	1028	0.680	4.8	0.579	0.357
		470	SB	1047	0.579	4.8	0.503	
18:00	19:00	469	NB	1098	0.696	4.8	0.633	0.390
		470	SB	1118	0.593	4.8	0.549	
19:00	20:00	469	NB	863	0.678	4.8	0.485	0.299
		470	SB	879	0.577	4.8	0.420	
20:00	21:00	469	NB	644	0.676	4.8	0.361	0.222
		470	SB	656	0.575	4.8	0.312	
21:00	22:00	469	NB	547	0.680	4.8	0.308	0.190
		470	SB	557	0.579	4.8	0.267	
22:00	23:00	469	NB	555	0.681	4.8	0.313	0.193
		470	SB	565	0.580	4.8	0.271	
23:00	24:00	469	NB	497	0.684	4.8	0.282	0.173
		470	SB	506	0.580	4.8	0.243	

Note\* According to the EIA Study "Liantang / Heung Yuen Wai Boundary Control Point and Associated Works", 33% of total emission inside the tunnel will be discharged from the ventilation shafts near Fanling

### Design of the Ventilation Shaft

Location (X,Y):	834046, 838386	*Reference from the EIA Study "Liantang / Heung Yuen Wai Boundary Control Point and Associated Works"
Temperature :	293 K	
Stack Diameter :	6 m	
Exit Velocity :	6 m/s	

### Calculation of RSP Emissions from Ventilation Shaft (Liantang Highway) (Year 2029)

Hour		Flow ID	Direction	Traffic Flow	Emission Factor @ Year 2024	Tunnel Length	Total Emission in Tunnel	Emission from Vent Shaft*
				(veh/hr)	(g/mile-veh)	(km)	(g/s)	(g/s)
00:00	01:00	469	NB	342	0.065	4.8	0.018	0.011
		470	SB	348	0.052	4.8	0.015	
01:00	02:00	469	NB	184	0.065	4.8	0.010	0.006
		470	SB	188	0.052	4.8	0.008	
02:00	03:00	469	NB	109	0.066	4.8	0.006	0.004
		470	SB	111	0.053	4.8	0.005	
03:00	04:00	469	NB	88	0.066	4.8	0.005	0.003
		470	SB	89	0.053	4.8	0.004	
04:00	05:00	469	NB	77	0.065	4.8	0.004	0.003
		470	SB	78	0.053	4.8	0.003	
05:00	06:00	469	NB	115	0.066	4.8	0.006	0.004
		470	SB	117	0.052	4.8	0.005	
06:00	07:00	469	NB	344	0.065	4.8	0.019	0.011
		470	SB	350	0.052	4.8	0.015	
07:00	08:00	469	NB	903	0.063	4.8	0.047	0.028
		470	SB	920	0.051	4.8	0.039	
08:00	09:00	469	NB	1165	0.060	4.8	0.058	0.035
		470	SB	1186	0.048	4.8	0.048	
09:00	10:00	469	NB	933	0.063	4.8	0.049	0.029
		470	SB	950	0.051	4.8	0.040	
10:00	11:00	469	NB	825	0.064	4.8	0.044	0.026
		470	SB	840	0.051	4.8	0.036	
11:00	12:00	469	NB	824	0.064	4.8	0.044	0.026
		470	SB	839	0.051	4.8	0.036	
12:00	13:00	469	NB	827	0.064	4.8	0.044	0.026
		470	SB	842	0.051	4.8	0.036	
13:00	14:00	469	NB	806	0.064	4.8	0.043	0.026
		470	SB	820	0.051	4.8	0.035	
14:00	15:00	469	NB	855	0.063	4.8	0.045	0.027
		470	SB	871	0.051	4.8	0.037	
15:00	16:00	469	NB	853	0.063	4.8	0.045	0.027
		470	SB	868	0.051	4.8	0.037	
16:00	17:00	469	NB	896	0.063	4.8	0.047	0.028
		470	SB	912	0.051	4.8	0.039	
17:00	18:00	469	NB	1028	0.061	4.8	0.052	0.032
		470	SB	1047	0.050	4.8	0.043	
18:00	19:00	469	NB	1098	0.060	4.8	0.055	0.033
		470	SB	1118	0.049	4.8	0.045	
19:00	20:00	469	NB	863	0.063	4.8	0.045	0.027
		470	SB	879	0.051	4.8	0.037	
20:00	21:00	469	NB	644	0.065	4.8	0.035	0.021
		470	SB	656	0.052	4.8	0.028	
21:00	22:00	469	NB	547	0.065	4.8	0.029	0.018
		470	SB	557	0.052	4.8	0.024	
22:00	23:00	469	NB	555	0.065	4.8	0.030	0.018
		470	SB	565	0.053	4.8	0.025	
23:00	24:00	469	NB	497	0.065	4.8	0.027	0.016
		470	SB	506	0.052	4.8	0.022	

Note\* According to the EIA Study "Liantang / Heung Yuen Wai Boundary Control Point and Associated Works", 33% of total emission inside the tunnel will be discharged from the ventilation shafts near Fanling

### **Appendix 3.5c**

## **Hourly Vehicular Emission Factors**

### **(Portal Emission)**

Emission Inventory for Full Enclosure at Planned Internal Road near Fung Kong (NOx) - Year 2028

Source	Source ID	Type	X	Y	Base Elevation	Release Height	Exit Temp.	Exit velocity	Internal diameter	Lateral Dim. (Sy)	Vertical Dim. (Sz)	Hourly NOx Emission Rate (g/s)																							
			(m)	(m)	(mpd)	(m)	(K)	(m/s)	(m)	(m)	(m)	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
Internal Road (EB) South of D-53	1EB1	VOLUME	B28730	B41241	0.0	3.00	-	-	-	2.79	2.79	4.69E-05	1.89E-05	6.93E-06	6.97E-06	3.25E-06	1.60E-05	4.88E-05	1.22E-04	1.43E-04	9.62E-05	8.11E-05	7.78E-05	8.47E-05	8.06E-05	8.93E-05	8.87E-05	9.61E-05	1.18E-04	1.28E-04	9.25E-05	7.49E-05	6.09E-05	7.00E-05	6.69E-05
	1EB2	VOLUME	B28735	B41245	0.0	3.00	-	-	-	2.79	2.79	4.69E-05	1.89E-05	6.93E-06	6.97E-06	3.25E-06	1.60E-05	4.88E-05	1.22E-04	1.43E-04	9.62E-05	8.11E-05	7.78E-05	8.47E-05	8.06E-05	8.93E-05	8.87E-05	9.61E-05	1.18E-04	1.28E-04	9.25E-05	7.49E-05	6.09E-05	7.00E-05	6.69E-05
	1EB3	VOLUME	B28739	B41248	0.0	3.00	-	-	-	2.79	2.79	4.69E-05	1.89E-05	6.93E-06	6.97E-06	3.25E-06	1.60E-05	4.88E-05	1.22E-04	1.43E-04	9.62E-05	8.11E-05	7.78E-05	8.47E-05	8.06E-05	8.93E-05	8.87E-05	9.61E-05	1.18E-04	1.28E-04	9.25E-05	7.49E-05	6.09E-05	7.00E-05	6.69E-05
	1EB4	VOLUME	B28744	B41252	0.0	3.00	-	-	-	2.79	2.79	4.69E-05	1.89E-05	6.93E-06	6.97E-06	3.25E-06	1.60E-05	4.88E-05	1.22E-04	1.43E-04	9.62E-05	8.11E-05	7.78E-05	8.47E-05	8.06E-05	8.93E-05	8.87E-05	9.61E-05	1.18E-04	1.28E-04	9.25E-05	7.49E-05	6.09E-05	7.00E-05	6.69E-05
	1EB5	VOLUME	B28749	B41256	0.0	3.00	-	-	-	2.79	2.79	4.69E-05	1.89E-05	6.93E-06	6.97E-06	3.25E-06	1.60E-05	4.88E-05	1.22E-04	1.43E-04	9.62E-05	8.11E-05	7.78E-05	8.47E-05	8.06E-05	8.93E-05	8.87E-05	9.61E-05	1.18E-04	1.28E-04	9.25E-05	7.49E-05	6.09E-05	7.00E-05	6.69E-05
	1EB6	VOLUME	B28753	B41260	0.0	3.00	-	-	-	2.79	2.79	4.69E-05	1.89E-05	6.93E-06	6.97E-06	3.25E-06	1.60E-05	4.88E-05	1.22E-04	1.43E-04	9.62E-05	8.11E-05	7.78E-05	8.47E-05	8.06E-05	8.93E-05	8.87E-05	9.61E-05	1.18E-04	1.28E-04	9.25E-05	7.49E-05	6.09E-05	7.00E-05	6.69E-05
	1EB7	VOLUME	B28758	B41264	0.0	3.00	-	-	-	2.79	2.79	4.69E-05	1.89E-05	6.93E-06	6.97E-06	3.25E-06	1.60E-05	4.88E-05	1.22E-04	1.43E-04	9.62E-05	8.11E-05	7.78E-05	8.47E-05	8.06E-05	8.93E-05	8.87E-05	9.61E-05	1.18E-04	1.28E-04	9.25E-05	7.49E-05	6.09E-05	7.00E-05	6.69E-05
	1EB8	VOLUME	B28762	B41268	0.0	3.00	-	-	-	2.79	2.79	4.69E-05	1.89E-05	6.93E-06	6.97E-06	3.25E-06	1.60E-05	4.88E-05	1.22E-04	1.43E-04	9.62E-05	8.11E-05	7.78E-05	8.47E-05	8.06E-05	8.93E-05	8.87E-05	9.61E-05	1.18E-04	1.28E-04	9.25E-05	7.49E-05	6.09E-05	7.00E-05	6.69E-05
	1EB9	VOLUME	B28767	B41271	0.0	3.00	-	-	-	2.79	2.79	4.69E-05	1.89E-05	6.93E-06	6.97E-06	3.25E-06	1.60E-05	4.88E-05	1.22E-04	1.43E-04	9.62E-05	8.11E-05	7.78E-05	8.47E-05	8.06E-05	8.93E-05	8.87E-05	9.61E-05	1.18E-04	1.28E-04	9.25E-05	7.49E-05	6.09E-05	7.00E-05	6.69E-05
	1EB10	VOLUME	B28772	B41275	0.0	3.00	-	-	-	2.79	2.79	2.34E-05	9.43E-06	3.47E-06	3.48E-06	1.63E-06	8.00E-06	2.44E-05	6.11E-05	7.13E-05	4.81E-05	4.06E-05	3.89E-05	4.23E-05	4.03E-05	4.47E-05	4.43E-05	4.81E-05	5.92E-05	6.39E-05	4.63E-05	3.75E-05	3.05E-05	3.50E-05	3.34E-05
	1EB11	VOLUME	B28776	B41279	0.0	3.00	-	-	-	2.79	2.79	2.34E-05	9.43E-06	3.47E-06	3.48E-06	1.63E-06	8.00E-06	2.44E-05	6.11E-05	7.13E-05	4.81E-05	4.06E-05	3.89E-05	4.23E-05	4.03E-05	4.47E-05	4.43E-05	4.81E-05	5.92E-05	6.39E-05	4.63E-05	3.75E-05	3.05E-05	3.50E-05	3.34E-05
	1EB12	VOLUME	B28781	B41283	0.0	3.00	-	-	-	2.79	2.79	2.34E-05	9.43E-06	3.47E-06	3.48E-06	1.63E-06	8.00E-06	2.44E-05	6.11E-05	7.13E-05	4.81E-05	4.06E-05	3.89E-05	4.23E-05	4.03E-05	4.47E-05	4.43E-05	4.81E-05	5.92E-05	6.39E-05	4.63E-05	3.75E-05	3.05E-05	3.50E-05	3.34E-05
	1EB13	VOLUME	B28785	B41287	0.0	3.00	-	-	-	2.79	2.79	2.34E-05	9.43E-06	3.47E-06	3.48E-06	1.63E-06	8.00E-06	2.44E-05	6.11E-05	7.13E-05	4.81E-05	4.06E-05	3.89E-05	4.23E-05	4.03E-05	4.47E-05	4.43E-05	4.81E-05	5.92E-05	6.39E-05	4.63E-05	3.75E-05	3.05E-05	3.50E-05	3.34E-05
	1EB14	VOLUME	B28790	B41291	0.0	3.00	-	-	-	2.79	2.79	2.34E-05	9.43E-06	3.47E-06	3.48E-06	1.63E-06	8.00E-06	2.44E-05	6.11E-05	7.13E-05	4.81E-05	4.06E-05	3.89E-05	4.23E-05	4.03E-05	4.47E-05	4.43E-05	4.81E-05	5.92E-05	6.39E-05	4.63E-05	3.75E-05	3.05E-05	3.50E-05	3.34E-05
	1EB15	VOLUME	B28795	B41294	0.0	3.00	-	-	-	2.79	2.79	2.34E-05	9.43E-06	3.47E-06	3.48E-06	1.63E-06	8.00E-06	2.44E-05	6.11E-05	7.13E-05	4.81E-05	4.06E-05	3.89E-05	4.23E-05	4.03E-05	4.47E-05	4.43E-05	4.81E-05	5.92E-05	6.39E-05	4.63E-05	3.75E-05	3.05E-05	3.50E-05	3.34E-05
	1EB16	VOLUME	B28799	B41298	0.0	3.00	-	-	-	2.79	2.79	2.34E-05	9.43E-06	3.47E-06	3.48E-06	1.63E-06	8.00E-06	2.44E-05	6.11E-05	7.13E-05	4.81E-05	4.06E-05	3.89E-05	4.23E-05	4.03E-05	4.47E-05	4.43E-05	4.81E-05	5.92E-05	6.39E-05	4.63E-05	3.75E-05	3.05E-05	3.50E-05	3.34E-05
	1EB17	VOLUME	B28804	B41302	0.0	3.00	-	-	-	2.79	2.79	2.34E-05	9.43E-06	3.47E-06	3.48E-06	1.63E-06	8.00E-06	2.44E-05	6.11E-05	7.13E-05	4.81E-05	4.06E-05	3.89E-05	4.23E-05	4.03E-05	4.47E-05	4.43E-05	4.81E-05	5.92E-05	6.39E-05	4.63E-05	3.75E-05	3.05E-05	3.50E-05	3.34E-05
	1EB18	VOLUME	B28809	B41306	1.0	3.00	-	-	-	2.79	2.79	2.34E-05	9.43E-06	3.47E-06	3.48E-06	1.63E-06	8.00E-06	2.44E-05	6.11E-05	7.13E-05	4.81E-05	4.06E-05	3.89E-05	4.23E-05	4.03E-05	4.47E-05	4.43E-05	4.81E-05	5.92E-05	6.39E-05	4.63E-05	3.75E-05	3.05E-05	3.50E-05	3.34E-05
Internal Road (WB) South of D-54	1WB1	VOLUME	B28626	B41163	0.0	3.00	-	-	-	1.72	2.79	4.30E-05	1.92E-05	6.08E-06	6.62E-06	5.55E-06	1.27E-05	4.59E-05	1.17E-04	1.36E-04	9.19E-05	8.01E-05	7.55E-05	8.46E-05	8.04E-05	8.62E-05	8.58E-05	9.21E-05	1.16E-04	1.24E-04	9.86E-05	6.99E-05	5.94E-05	6.63E-05	6.35E-05
	1WB2	VOLUME	B28623	B41161	0.0	3.00	-	-	-	1.72	2.79	4.30E-05	1.92E-05	6.08E-06	6.62E-06	5.55E-06	1.27E-05	4.59E-05	1.17E-04	1.36E-04	9.19E-05	8.01E-05	7.55E-05	8.46E-05	8.04E-05	8.62E-05	8.58E-05	9.21E-05	1.16E-04	1.24E-04	9.86E-05	6.99E-05	5.94E-05	6.63E-05	6.35E-05
	1WB3	VOLUME	B28620	B41159	0.0	3.00	-	-	-	1.72	2.79	4.30E-05	1.92E-05	6.08E-06	6.62E-06	5.55E-06	1.27E-05	4.59E-05	1.17E-04	1.36E-04	9.19E-05	8.01E-05	7.55E-05	8.46E-05	8.04E-05	8.62E-05	8.58E-05	9.21E-05	1.16E-04	1.24E-04	9.86E-05	6.99E-05	5.94E-05	6.63E-05	6.35E-05
	1WB4	VOLUME	B28617	B41157	0.0	3.00	-	-	-	1.72	2.79	4.30E-05	1.92E-05	6.08E-06	6.62E-06	5.55E-06	1.27E-05	4.59E-05	1.17E-04	1.36E-04	9.19E-05	8.01E-05	7.55E-05	8.46E-05	8.04E-05	8.62E-05	8.58E-05	9.21E-05	1.16E-04	1.24E-04	9.86E-05	6.99E-05	5.94E-05	6.63E-05	6.35E-05
	1WB5	VOLUME	B28614	B41155	0.0	3.00	-	-	-	1.72	2.79	4.30E-05	1.92E-05	6.08E-06	6.62E-06	5.55E-06	1.27E-05	4.59E-05	1.17E-04	1.36E-04	9.19E-05	8.01E-05	7.55E-05	8.46E-05	8.04E-05	8.62E-05	8.58E-05	9.21E-05	1.16E-04	1.24E-04	9.86E-05	6.99E-05	5.94E-05	6.63E-05	6.35E-05
	1WB6	VOLUME	B28611	B41153	0.0	3.00	-	-	-	1.72	2.79	4.30E-05	1.92E-05	6.08E-06	6.62E-06	5.55E-06	1.27E-05	4.59E-05	1.17E-04	1.36E-04	9.19E-05	8.01E-05	7.55E-05	8.46E-05	8.04E-05	8.62E-05	8.58E-05	9.21E-05	1.16E-04	1.24E-04	9.86E-05	6.99E-05	5.94E-05	6.63E-05	6.35E-05
	1WB7	VOLUME	B28608	B41151	0.0	3.00	-	-	-	1.72	2.79	4.30E-05	1.92E-05	6.08E-06	6.62E-06	5.55E-06	1.27E-05	4.59E-05	1.17E-04	1.36E-04	9.19E-05	8.01E-05	7.55E-05	8.46E-05	8.04E-05	8.62E-05	8.58E-05	9.21E-05	1.16E-04	1.24E-04	9.86E-05	6.99E-05	5.94E-05	6.63E-05	6.35E-05
	1WB8	VOLUME	B28604	B41149	0.0	3.00	-	-	-	1.72	2.79	4.30E-05	1.92E-05	6.08E-06	6.62E-06	5.55E-06	1.27E-05	4.59E-05	1.17E-04	1.36E-04	9.19E-05	8.01E-05	7.55E-05	8.46E-05	8.04E-05	8.62E-05	8.58E-05	9.21E-05	1.16E-04	1.24E-04	9.86E-05	6.99E-05	5.94E-05	6.63E-05	6.35E-05
	1WB9	VOLUME	B28601	B41147	0.0	3.00	-	-	-	1.72	2.79	4.30E-05	1.92E-05	6.08E-06	6.62E-06	5.55E-06	1.27E-05	4.59E-05	1.17E-04	1.36E-04	9.19E-05	8.01E-05	7.55E-05	8.46E-05	8.04E-05	8.62E-05	8.58E-05	9.21E-05	1.16E-04	1.24E-04	9.86E-05	6.99E-05	5.94E-05	6.63E-05	6.35E-05
	1WB10	VOLUME																																	

[1] Referenced from the approved EIA Study "Kai Tak Development" (AEIAR-130/2009) for the design and dimensions of the ventilation building

**Emission Inventory for Full Enclosure at Fanling Highway near Europa Garden Phase I (NOx) - Year 2029**

Source	Source ID	Type	X	Y	Base Elevation	Release Height	Exit Temp.	Exit velocity	Internal diameter	Lateral Dim. (Sy)	Vertical Dim. (Sz)	Hourly NOx Emission Rate (g/s)																								
			(m)	(m)	(mpd)	(m)	(K)	(m/s)	(m)	(m)	(m)	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23	
Fanling Highway (EB) 7	2EB1	VOLUME	828164	840468	0.0	3.00	-	-	-	6.79	2.79	6.82E-03	6.84E-03	6.88E-03	6.80E-03	6.74E-03	6.80E-03	6.83E-03	6.79E-03	6.69E-03	6.75E-03	6.78E-03	6.77E-03	6.78E-03	6.79E-03	6.78E-03	6.78E-03	6.78E-03	6.75E-03	6.71E-03	6.78E-03	6.77E-03	6.80E-03	6.81E-03	6.79E-03	
	2EB2	VOLUME	828179	840468	0.0	3.00	-	-	-	6.79	2.79	6.82E-03	6.84E-03	6.88E-03	6.80E-03	6.74E-03	6.80E-03	6.83E-03	6.79E-03	6.69E-03	6.75E-03	6.78E-03	6.77E-03	6.78E-03	6.79E-03	6.78E-03	6.78E-03	6.78E-03	6.75E-03	6.71E-03	6.78E-03	6.77E-03	6.80E-03	6.81E-03	6.79E-03	
	2EB3	VOLUME	828194	840467	0.0	3.00	-	-	-	6.79	2.79	6.82E-03	6.84E-03	6.88E-03	6.80E-03	6.74E-03	6.80E-03	6.83E-03	6.79E-03	6.69E-03	6.75E-03	6.78E-03	6.77E-03	6.78E-03	6.79E-03	6.78E-03	6.78E-03	6.78E-03	6.75E-03	6.71E-03	6.78E-03	6.77E-03	6.80E-03	6.81E-03	6.79E-03	
	2EB4	VOLUME	828208	840467	0.0	3.00	-	-	-	6.79	2.79	6.82E-03	6.84E-03	6.88E-03	6.80E-03	6.74E-03	6.80E-03	6.83E-03	6.79E-03	6.69E-03	6.75E-03	6.78E-03	6.77E-03	6.78E-03	6.79E-03	6.78E-03	6.78E-03	6.78E-03	6.75E-03	6.71E-03	6.78E-03	6.77E-03	6.80E-03	6.81E-03	6.79E-03	
	2EB5	VOLUME	828223	840466	0.0	3.00	-	-	-	6.79	2.79	3.41E-03	3.42E-03	3.44E-03	3.40E-03	3.37E-03	3.40E-03	3.42E-03	3.40E-03	3.35E-03	3.37E-03	3.39E-03	3.38E-03	3.39E-03	3.39E-03	3.39E-03	3.39E-03	3.39E-03	3.37E-03	3.36E-03	3.39E-03	3.39E-03	3.40E-03	3.40E-03	3.40E-03	
	2EB6	VOLUME	828237	840466	0.0	3.00	-	-	-	6.79	2.79	3.41E-03	3.42E-03	3.44E-03	3.40E-03	3.37E-03	3.40E-03	3.42E-03	3.40E-03	3.35E-03	3.37E-03	3.39E-03	3.38E-03	3.39E-03	3.39E-03	3.39E-03	3.39E-03	3.39E-03	3.37E-03	3.36E-03	3.39E-03	3.39E-03	3.40E-03	3.40E-03	3.40E-03	
	2EB7	VOLUME	828252	840466	0.0	3.00	-	-	-	6.79	2.79	3.41E-03	3.42E-03	3.44E-03	3.40E-03	3.37E-03	3.40E-03	3.42E-03	3.40E-03	3.35E-03	3.37E-03	3.39E-03	3.38E-03	3.39E-03	3.39E-03	3.39E-03	3.39E-03	3.39E-03	3.39E-03	3.37E-03	3.36E-03	3.39E-03	3.39E-03	3.40E-03	3.40E-03	3.40E-03
	2EB8	VOLUME	828267	840465	0.0	3.00	-	-	-	6.79	2.79	3.41E-03	3.42E-03	3.44E-03	3.40E-03	3.37E-03	3.40E-03	3.42E-03	3.40E-03	3.35E-03	3.37E-03	3.39E-03	3.38E-03	3.39E-03	3.39E-03	3.39E-03	3.39E-03	3.39E-03	3.39E-03	3.37E-03	3.36E-03	3.39E-03	3.39E-03	3.40E-03	3.40E-03	3.40E-03
Fanling Highway (WB) 26 & 27	2WB1	VOLUME	827953	840458	0.0	3.00	-	-	-	6.79	2.79	2.14E-03	1.56E-03	1.19E-03	8.34E-04	7.41E-04	9.10E-04	2.09E-03	5.93E-03	8.24E-03	7.39E-03	6.72E-03	6.83E-03	6.25E-03	6.20E-03	6.35E-03	6.40E-03	6.61E-03	7.32E-03	7.77E-03	6.62E-03	4.84E-03	4.08E-03	3.60E-03	3.03E-03	
	2WB2	VOLUME	827939	840459	0.0	3.00	-	-	-	6.79	2.79	2.14E-03	1.56E-03	1.19E-03	8.34E-04	7.41E-04	9.10E-04	2.09E-03	5.93E-03	8.24E-03	7.39E-03	6.72E-03	6.83E-03	6.25E-03	6.20E-03	6.35E-03	6.40E-03	6.61E-03	7.32E-03	7.77E-03	6.62E-03	4.84E-03	4.08E-03	3.60E-03	3.03E-03	
	2WB3	VOLUME	827924	840460	0.0	3.00	-	-	-	6.79	2.79	2.14E-03	1.56E-03	1.19E-03	8.34E-04	7.41E-04	9.10E-04	2.09E-03	5.93E-03	8.24E-03	7.39E-03	6.72E-03	6.83E-03	6.25E-03	6.20E-03	6.35E-03	6.40E-03	6.61E-03	7.32E-03	7.77E-03	6.62E-03	4.84E-03	4.08E-03	3.60E-03	3.03E-03	
	2WB4	VOLUME	827910	840461	0.0	3.00	-	-	-	6.79	2.79	2.14E-03	1.56E-03	1.19E-03	8.34E-04	7.41E-04	9.10E-04	2.09E-03	5.93E-03	8.24E-03	7.39E-03	6.72E-03	6.83E-03	6.25E-03	6.20E-03	6.35E-03	6.40E-03	6.61E-03	7.32E-03	7.77E-03	6.62E-03	4.84E-03	4.08E-03	3.60E-03	3.03E-03	
	2WB5	VOLUME	827895	840462	0.0	3.00	-	-	-	6.79	2.79	1.07E-03	7.81E-04	5.93E-04	4.17E-04	3.70E-04	4.55E-04	1.05E-03	2.97E-03	4.12E-03	3.69E-03	3.36E-03	3.41E-03	3.12E-03	3.10E-03	3.17E-03	3.20E-03	3.30E-03	3.66E-03	3.88E-03	3.31E-03	2.42E-03	2.04E-03	1.80E-03	1.51E-03	
	2WB6	VOLUME	827880	840463	0.0	3.00	-	-	-	6.79	2.79	1.07E-03	7.81E-04	5.93E-04	4.17E-04	3.70E-04	4.55E-04	1.05E-03	2.97E-03	4.12E-03	3.69E-03	3.36E-03	3.41E-03	3.12E-03	3.10E-03	3.17E-03	3.20E-03	3.30E-03	3.66E-03	3.88E-03	3.31E-03	2.42E-03	2.04E-03	1.80E-03	1.51E-03	
	2WB7	VOLUME	827866	840464	0.0	3.00	-	-	-	6.79	2.79	1.07E-03	7.81E-04	5.93E-04	4.17E-04	3.70E-04	4.55E-04	1.05E-03	2.97E-03	4.12E-03	3.69E-03	3.36E-03	3.41E-03	3.12E-03	3.10E-03	3.17E-03	3.20E-03	3.30E-03	3.66E-03	3.88E-03	3.31E-03	2.42E-03	2.04E-03	1.80E-03	1.51E-03	
	2WB8	VOLUME	827851	840465	0.0	3.00	-	-	-	6.79	2.79	1.07E-03	7.81E-04	5.93E-04	4.17E-04	3.70E-04	4.55E-04	1.05E-03	2.97E-03	4.12E-03	3.69E-03	3.36E-03	3.41E-03	3.12E-03	3.10E-03	3.17E-03	3.20E-03	3.30E-03	3.66E-03	3.88E-03	3.31E-03	2.42E-03	2.04E-03	1.80E-03	1.51E-03	

Note:  
 [1] Referenced from the approved EIA Study "Kai Tak Development" (AEIAR-130/2009) for the design and dimensions of the ventilation building



**Emission Inventory for Full Enclosure at Fanling Highway near Europa Garden Phase I (RSP) - Year 2029**

Source	Source ID	Type	X	Y	Base Elevation	Release Height	Exit Temp.	Exit velocity	Internal diameter	Lateral Dim. (Sy)	Vertical Dim. (Sz)	Hourly RSP Emission Rate (g/s)																							
			(m)	(m)	(mpd)	(m)	(K)	(m/s)	(m)	(m)	(m)	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
Fanling Highway (EB) 7	2EB1	VOLUME	828164	840468	0.0	3.00	-	-	-	6.79	2.79	2.34E-05	1.69E-05	1.28E-05	8.84E-06	7.89E-06	9.94E-06	2.26E-05	6.45E-05	9.14E-05	8.25E-05	7.57E-05	7.76E-05	7.12E-05	7.06E-05	7.24E-05	7.29E-05	7.49E-05	8.25E-05	8.70E-05	7.37E-05	5.35E-05	4.49E-05	3.96E-05	3.34E-05
	2EB2	VOLUME	828179	840468	0.0	3.00	-	-	-	6.79	2.79	2.34E-05	1.69E-05	1.28E-05	8.84E-06	7.89E-06	9.94E-06	2.26E-05	6.45E-05	9.14E-05	8.25E-05	7.57E-05	7.76E-05	7.12E-05	7.06E-05	7.24E-05	7.29E-05	7.49E-05	8.25E-05	8.70E-05	7.37E-05	5.35E-05	4.49E-05	3.96E-05	3.34E-05
	2EB3	VOLUME	828194	840467	0.0	3.00	-	-	-	6.79	2.79	2.34E-05	1.69E-05	1.28E-05	8.84E-06	7.89E-06	9.94E-06	2.26E-05	6.45E-05	9.14E-05	8.25E-05	7.57E-05	7.76E-05	7.12E-05	7.06E-05	7.24E-05	7.29E-05	7.49E-05	8.25E-05	8.70E-05	7.37E-05	5.35E-05	4.49E-05	3.96E-05	3.34E-05
	2EB4	VOLUME	828208	840467	0.0	3.00	-	-	-	6.79	2.79	2.34E-05	1.69E-05	1.28E-05	8.84E-06	7.89E-06	9.94E-06	2.26E-05	6.45E-05	9.14E-05	8.25E-05	7.57E-05	7.76E-05	7.12E-05	7.06E-05	7.24E-05	7.29E-05	7.49E-05	8.25E-05	8.70E-05	7.37E-05	5.35E-05	4.49E-05	3.96E-05	3.34E-05
	2EB5	VOLUME	828223	840466	0.0	3.00	-	-	-	6.79	2.79	1.17E-05	8.44E-06	6.42E-06	4.42E-06	3.95E-06	4.97E-06	1.13E-05	3.87E-04	4.57E-05	4.12E-05	3.78E-05	3.88E-05	3.56E-05	3.53E-05	3.62E-05	3.65E-05	3.75E-05	4.12E-05	4.35E-05	3.68E-05	2.67E-05	2.25E-05	1.98E-05	1.67E-05
	2EB6	VOLUME	828237	840466	0.0	3.00	-	-	-	6.79	2.79	1.17E-05	8.44E-06	6.42E-06	4.42E-06	3.95E-06	4.97E-06	1.13E-05	3.87E-04	4.57E-05	4.12E-05	3.78E-05	3.88E-05	3.56E-05	3.53E-05	3.62E-05	3.65E-05	3.75E-05	4.12E-05	4.35E-05	3.68E-05	2.67E-05	2.25E-05	1.98E-05	1.67E-05
	2EB7	VOLUME	828252	840466	0.0	3.00	-	-	-	6.79	2.79	1.17E-05	8.44E-06	6.42E-06	4.42E-06	3.95E-06	4.97E-06	1.13E-05	3.87E-04	4.57E-05	4.12E-05	3.78E-05	3.88E-05	3.56E-05	3.53E-05	3.62E-05	3.65E-05	3.75E-05	4.12E-05	4.35E-05	3.68E-05	2.67E-05	2.25E-05	1.98E-05	1.67E-05
	2EB8	VOLUME	828267	840465	0.0	3.00	-	-	-	6.79	2.79	1.17E-05	8.44E-06	6.42E-06	4.42E-06	3.95E-06	4.97E-06	1.13E-05	3.87E-04	4.57E-05	4.12E-05	3.78E-05	3.88E-05	3.56E-05	3.53E-05	3.62E-05	3.65E-05	3.75E-05	4.12E-05	4.35E-05	3.68E-05	2.67E-05	2.25E-05	1.98E-05	1.67E-05
Fanling Highway (WB) 26 & 27	2WB1	VOLUME	827953	840458	0.0	3.00	-	-	-	6.79	2.79	2.00E-04	1.45E-04	1.10E-04	7.67E-05	6.81E-05	8.27E-05	1.93E-04	5.50E-04	7.81E-04	7.04E-04	6.44E-04	6.61E-04	6.06E-04	6.02E-04	6.16E-04	6.21E-04	6.38E-04	7.05E-04	7.43E-04	6.26E-04	4.53E-04	3.82E-04	3.37E-04	2.83E-04
	2WB2	VOLUME	827939	840459	0.0	3.00	-	-	-	6.79	2.79	2.00E-04	1.45E-04	1.10E-04	7.67E-05	6.81E-05	8.27E-05	1.93E-04	5.50E-04	7.81E-04	7.04E-04	6.44E-04	6.61E-04	6.06E-04	6.02E-04	6.16E-04	6.21E-04	6.38E-04	7.05E-04	7.43E-04	6.26E-04	4.53E-04	3.82E-04	3.37E-04	2.83E-04
	2WB3	VOLUME	827924	840460	0.0	3.00	-	-	-	6.79	2.79	5.71E-05	1.45E-04	1.10E-04	7.67E-05	6.81E-05	8.27E-05	1.93E-04	5.50E-04	7.81E-04	7.04E-04	6.44E-04	6.61E-04	6.06E-04	6.02E-04	6.16E-04	6.21E-04	6.38E-04	7.05E-04	7.43E-04	6.26E-04	4.53E-04	3.82E-04	3.37E-04	2.83E-04
	2WB4	VOLUME	827910	840461	0.0	3.00	-	-	-	6.79	2.79	5.71E-05	1.45E-04	1.10E-04	7.67E-05	6.81E-05	8.27E-05	1.93E-04	5.50E-04	7.81E-04	7.04E-04	6.44E-04	6.61E-04	6.06E-04	6.02E-04	6.16E-04	6.21E-04	6.38E-04	7.05E-04	7.43E-04	6.26E-04	4.53E-04	3.82E-04	3.37E-04	2.83E-04
	2WB5	VOLUME	827895	840462	0.0	3.00	-	-	-	6.79	2.79	1.00E-04	7.26E-05	5.49E-05	3.84E-05	3.40E-05	4.14E-05	9.66E-05	2.75E-04	3.90E-04	3.52E-04	3.22E-04	3.30E-04	3.03E-04	3.01E-04	3.08E-04	3.11E-04	3.19E-04	3.52E-04	3.72E-04	3.13E-04	2.26E-04	1.91E-04	1.69E-04	1.41E-04
	2WB6	VOLUME	827880	840463	0.0	3.00	-	-	-	6.79	2.79	1.00E-04	7.26E-05	5.49E-05	3.84E-05	3.40E-05	4.14E-05	9.66E-05	2.75E-04	3.90E-04	3.52E-04	3.22E-04	3.30E-04	3.03E-04	3.01E-04	3.08E-04	3.11E-04	3.19E-04	3.52E-04	3.72E-04	3.13E-04	2.26E-04	1.91E-04	1.69E-04	1.41E-04
	2WB7	VOLUME	827866	840464	0.0	3.00	-	-	-	6.79	2.79	1.00E-04	7.26E-05	5.49E-05	3.84E-05	3.40E-05	4.14E-05	9.66E-05	2.75E-04	3.90E-04	3.52E-04	3.22E-04	3.30E-04	3.03E-04	3.01E-04	3.08E-04	3.11E-04	3.19E-04	3.52E-04	3.72E-04	3.13E-04	2.26E-04	1.91E-04	1.69E-04	1.41E-04
	2WB8	VOLUME	827851	840465	0.0	3.00	-	-	-	6.79	2.79	1.00E-04	7.26E-05	5.49E-05	3.84E-05	3.40E-05	4.14E-05	9.66E-05	2.75E-04	3.90E-04	3.52E-04	3.22E-04	3.30E-04	3.03E-04	3.01E-04	3.08E-04	3.11E-04	3.19E-04	3.52E-04	3.72E-04	3.13E-04	2.26E-04	1.91E-04	1.69E-04	1.41E-04

Note:  
[1] Referenced from the approved EIA Study "Kai Tak Development" (AEIAR-130/2009) for the design and dimensions of the ventilation building

Emission Inventory for Full Enclosure at Planned Internal Road near Tong Kok (NOx) - Year 2029

Source	Source ID	Type	X	Y	Base Elevation	Release Height	Exit Temp.	Exit velocity	Internal diameter	Lateral Dim. (Sy)	Vertical Dim. (Sz)	Hourly NOx Emission Rate (g/s)																							
			(m)	(m)	(mpd)	(m)	(K)	(m/s)	(m)	(m)	(m)	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
Internal Road (NB) West of B-10 55	3EB1	VOLUME	828974	840997	0.0	3.00	-	-	-	4.28	2.79	2.13E-04	1.15E-04	6.60E-05	5.38E-05	5.02E-05	6.98E-05	2.18E-04	5.77E-04	7.63E-04	5.89E-04	5.11E-04	5.05E-04	5.05E-04	4.89E-04	5.18E-04	5.19E-04	5.50E-04	6.42E-04	7.04E-04	5.44E-04	4.01E-04	3.39E-04	3.43E-04	3.10E-04
	3EB2	VOLUME	828970	841005	0.0	3.00	-	-	-	4.28	2.79	2.13E-04	1.15E-04	6.60E-05	5.38E-05	5.02E-05	6.98E-05	2.18E-04	5.77E-04	7.63E-04	5.89E-04	5.11E-04	5.05E-04	5.05E-04	4.89E-04	5.18E-04	5.19E-04	5.50E-04	6.42E-04	7.04E-04	5.44E-04	4.01E-04	3.39E-04	3.43E-04	3.10E-04
	3EB3	VOLUME	828965	841013	0.0	3.00	-	-	-	4.28	2.79	2.13E-04	1.15E-04	6.60E-05	5.38E-05	5.02E-05	6.98E-05	2.18E-04	5.77E-04	7.63E-04	5.89E-04	5.11E-04	5.05E-04	5.05E-04	4.89E-04	5.18E-04	5.19E-04	5.50E-04	6.42E-04	7.04E-04	5.44E-04	4.01E-04	3.39E-04	3.43E-04	3.10E-04
	3EB4	VOLUME	828961	841021	0.0	3.00	-	-	-	4.28	2.79	2.13E-04	1.15E-04	6.60E-05	5.38E-05	5.02E-05	6.98E-05	2.18E-04	5.77E-04	7.63E-04	5.89E-04	5.11E-04	5.05E-04	5.05E-04	4.89E-04	5.18E-04	5.19E-04	5.50E-04	6.42E-04	7.04E-04	5.44E-04	4.01E-04	3.39E-04	3.43E-04	3.10E-04
	3EB5	VOLUME	828956	841029	0.0	3.00	-	-	-	4.28	2.79	2.13E-04	1.15E-04	6.60E-05	5.38E-05	5.02E-05	6.98E-05	2.18E-04	5.77E-04	7.63E-04	5.89E-04	5.11E-04	5.05E-04	5.05E-04	4.89E-04	5.18E-04	5.19E-04	5.50E-04	6.42E-04	7.04E-04	5.44E-04	4.01E-04	3.39E-04	3.43E-04	3.10E-04
	3EB6	VOLUME	828952	841037	0.0	3.00	-	-	-	4.28	2.79	2.13E-04	1.15E-04	6.60E-05	5.38E-05	5.02E-05	6.98E-05	2.18E-04	5.77E-04	7.63E-04	5.89E-04	5.11E-04	5.05E-04	5.05E-04	4.89E-04	5.18E-04	5.19E-04	5.50E-04	6.42E-04	7.04E-04	5.44E-04	4.01E-04	3.39E-04	3.43E-04	3.10E-04
	3EB7	VOLUME	828947	841045	0.0	3.00	-	-	-	4.28	2.79	1.06E-04	5.75E-05	3.30E-05	2.69E-05	2.51E-05	3.49E-05	1.09E-04	2.89E-04	3.82E-04	2.94E-04	2.55E-04	2.53E-04	2.52E-04	2.44E-04	2.59E-04	2.59E-04	2.75E-04	3.21E-04	3.52E-04	2.72E-04	2.00E-04	1.69E-04	1.72E-04	1.55E-04
	3EB8	VOLUME	828943	841053	0.0	3.00	-	-	-	4.28	2.79	1.06E-04	5.75E-05	3.30E-05	2.69E-05	2.51E-05	3.49E-05	1.09E-04	2.89E-04	3.82E-04	2.94E-04	2.55E-04	2.53E-04	2.52E-04	2.44E-04	2.59E-04	2.59E-04	2.75E-04	3.21E-04	3.52E-04	2.72E-04	2.00E-04	1.69E-04	1.72E-04	1.55E-04
	3EB9	VOLUME	828938	841061	0.0	3.00	-	-	-	4.28	2.79	1.06E-04	5.75E-05	3.30E-05	2.69E-05	2.51E-05	3.49E-05	1.09E-04	2.89E-04	3.82E-04	2.94E-04	2.55E-04	2.53E-04	2.52E-04	2.44E-04	2.59E-04	2.59E-04	2.75E-04	3.21E-04	3.52E-04	2.72E-04	2.00E-04	1.69E-04	1.72E-04	1.55E-04
	3EB10	VOLUME	828934	841069	0.0	3.00	-	-	-	4.28	2.79	1.06E-04	5.75E-05	3.30E-05	2.69E-05	2.51E-05	3.49E-05	1.09E-04	2.89E-04	3.82E-04	2.94E-04	2.55E-04	2.53E-04	2.52E-04	2.44E-04	2.59E-04	2.59E-04	2.75E-04	3.21E-04	3.52E-04	2.72E-04	2.00E-04	1.69E-04	1.72E-04	1.55E-04
	3EB11	VOLUME	828929	841077	0.0	3.00	-	-	-	4.28	2.79	1.06E-04	5.75E-05	3.30E-05	2.69E-05	2.51E-05	3.49E-05	1.09E-04	2.89E-04	3.82E-04	2.94E-04	2.55E-04	2.53E-04	2.52E-04	2.44E-04	2.59E-04	2.59E-04	2.75E-04	3.21E-04	3.52E-04	2.72E-04	2.00E-04	1.69E-04	1.72E-04	1.55E-04
	3EB12	VOLUME	828925	841085	0.0	3.00	-	-	-	4.28	2.79	1.06E-04	5.75E-05	3.30E-05	2.69E-05	2.51E-05	3.49E-05	1.09E-04	2.89E-04	3.82E-04	2.94E-04	2.55E-04	2.53E-04	2.52E-04	2.44E-04	2.59E-04	2.59E-04	2.75E-04	3.21E-04	3.52E-04	2.72E-04	2.00E-04	1.69E-04	1.72E-04	1.55E-04
Internal Road (SB) West of B-10 56	3WB1	VOLUME	829044	840902	0.0	3.00	-	-	-	4.28	2.79	2.60E-04	1.39E-04	8.17E-05	6.84E-05	5.87E-05	8.78E-05	2.65E-04	7.11E-04	9.30E-04	7.19E-04	6.24E-04	6.19E-04	6.16E-04	5.98E-04	6.36E-04	6.37E-04	6.69E-04	7.93E-04	8.67E-04	6.62E-04	4.88E-04	4.16E-04	4.22E-04	3.72E-04
	3WB2	VOLUME	829050	840895	0.0	3.00	-	-	-	4.28	2.79	2.60E-04	1.39E-04	8.17E-05	6.84E-05	5.87E-05	8.78E-05	2.65E-04	7.11E-04	9.30E-04	7.19E-04	6.24E-04	6.19E-04	6.16E-04	5.98E-04	6.36E-04	6.37E-04	6.69E-04	7.93E-04	8.67E-04	6.62E-04	4.88E-04	4.16E-04	4.22E-04	3.72E-04
	3WB3	VOLUME	829056	840888	0.0	3.00	-	-	-	4.28	2.79	2.60E-04	1.39E-04	8.17E-05	6.84E-05	5.87E-05	8.78E-05	2.65E-04	7.11E-04	9.30E-04	7.19E-04	6.24E-04	6.19E-04	6.16E-04	5.98E-04	6.36E-04	6.37E-04	6.69E-04	7.93E-04	8.67E-04	6.62E-04	4.88E-04	4.16E-04	4.22E-04	3.72E-04
	3WB4	VOLUME	829062	840881	0.0	3.00	-	-	-	4.28	2.79	2.60E-04	1.39E-04	8.17E-05	6.84E-05	5.87E-05	8.78E-05	2.65E-04	7.11E-04	9.30E-04	7.19E-04	6.24E-04	6.19E-04	6.16E-04	5.98E-04	6.36E-04	6.37E-04	6.69E-04	7.93E-04	8.67E-04	6.62E-04	4.88E-04	4.16E-04	4.22E-04	3.72E-04
	3WB5	VOLUME	829068	840874	0.0	3.00	-	-	-	4.28	2.79	2.60E-04	1.39E-04	8.17E-05	6.84E-05	5.87E-05	8.78E-05	2.65E-04	7.11E-04	9.30E-04	7.19E-04	6.24E-04	6.19E-04	6.16E-04	5.98E-04	6.36E-04	6.37E-04	6.69E-04	7.93E-04	8.67E-04	6.62E-04	4.88E-04	4.16E-04	4.22E-04	3.72E-04
	3WB6	VOLUME	829073	840867	0.0	3.00	-	-	-	4.28	2.79	2.60E-04	1.39E-04	8.17E-05	6.84E-05	5.87E-05	8.78E-05	2.65E-04	7.11E-04	9.30E-04	7.19E-04	6.24E-04	6.19E-04	6.16E-04	5.98E-04	6.36E-04	6.37E-04	6.69E-04	7.93E-04	8.67E-04	6.62E-04	4.88E-04	4.16E-04	4.22E-04	3.72E-04
	3WB7	VOLUME	829079	840860	0.0	3.00	-	-	-	4.28	2.79	1.30E-04	6.94E-05	4.08E-05	3.42E-05	2.93E-05	4.39E-05	1.33E-04	3.56E-04	4.65E-04	3.60E-04	3.12E-04	3.09E-04	3.08E-04	2.99E-04	3.18E-04	3.19E-04	3.35E-04	3.96E-04	4.34E-04	3.31E-04	2.44E-04	2.08E-04	2.11E-04	1.86E-04
	3WB8	VOLUME	829085	840853	0.0	3.00	-	-	-	4.28	2.79	1.30E-04	6.94E-05	4.08E-05	3.42E-05	2.93E-05	4.39E-05	1.33E-04	3.56E-04	4.65E-04	3.60E-04	3.12E-04	3.09E-04	3.08E-04	2.99E-04	3.18E-04	3.19E-04	3.35E-04	3.96E-04	4.34E-04	3.31E-04	2.44E-04	2.08E-04	2.11E-04	1.86E-04
	3WB9	VOLUME	829091	840846	0.0	3.00	-	-	-	4.28	2.79	1.30E-04	6.94E-05	4.08E-05	3.42E-05	2.93E-05	4.39E-05	1.33E-04	3.56E-04	4.65E-04	3.60E-04	3.12E-04	3.09E-04	3.08E-04	2.99E-04	3.18E-04	3.19E-04	3.35E-04	3.96E-04	4.34E-04	3.31E-04	2.44E-04	2.08E-04	2.11E-04	1.86E-04
	3WB10	VOLUME	829097	840838	0.0	3.00	-	-	-	4.28	2.79	1.30E-04	6.94E-05	4.08E-05	3.42E-05	2.93E-05	4.39E-05	1.33E-04	3.56E-04	4.65E-04	3.60E-04	3.12E-04	3.09E-04	3.08E-04	2.99E-04	3.18E-04	3.19E-04	3.35E-04	3.96E-04	4.34E-04	3.31E-04	2.44E-04	2.08E-04	2.11E-04	1.86E-04
	3WB11	VOLUME	829103	840831	0.0	3.00	-	-	-	4.28	2.79	1.30E-04	6.94E-05	4.08E-05	3.42E-05	2.93E-05	4.39E-05	1.33E-04	3.56E-04	4.65E-04	3.60E-04	3.12E-04	3.09E-04	3.08E-04	2.99E-04	3.18E-04	3.19E-04	3.35E-04	3.96E-04	4.34E-04	3.31E-04	2.44E-04	2.08E-04	2.11E-04	1.86E-04
	3WB12	VOLUME	829108	840824	0.0	3.00	-	-	-	4.28	2.79	1.30E-04	6.94E-05	4.08E-05	3.42E-05	2.93E-05	4.39E-05	1.33E-04	3.56E-04	4.65E-04	3.60E-04	3.12E-04	3.09E-04	3.08E-04	2.99E-04	3.18E-04	3.19E-04	3.35E-04	3.96E-04	4.34E-04	3.31E-04	2.44E-04	2.08E-04	2.11E-04	1.86E-04

Note:  
[1] Referenced from the approved EIA Study "Kai Tak Development" (AEIAR-130/2009) for the design and dimensions of the ventilation building

Emission Inventory for Full Enclosure at Planned Internal Road near Tong Kok (RSP) - Year 2022

Source	Source ID	Type	X	Y	Base Elevation	Release Height	Exit Temp.	Exit velocity	Internal diameter	Lateral Dim. (Sy)	Vertical Dim. (Sz)	Hourly NOx Emission Rate (g/s)																							
			(m)	(m)	(mpd)	(m)	(K)	(m/s)	(m)	(m)	(m)	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
Internal Road (NB) West of B-10 55	3EB1	VOLUME	828974	840997	0.0	3.00	-	-	-	4.28	2.79	9.02E-06	4.80E-06	2.64E-06	2.35E-06	2.16E-06	2.95E-06	9.11E-06	2.45E-05	3.22E-05	2.55E-05	2.23E-05	2.23E-05	2.24E-05	2.15E-05	2.30E-05	2.29E-05	2.43E-05	2.84E-05	3.05E-05	2.34E-05	1.72E-05	1.42E-05	1.44E-05	1.31E-05
	3EB2	VOLUME	828970	841005	0.0	3.00	-	-	-	4.28	2.79	9.02E-06	4.80E-06	2.64E-06	2.35E-06	2.16E-06	2.95E-06	9.11E-06	2.45E-05	3.22E-05	2.55E-05	2.23E-05	2.23E-05	2.24E-05	2.15E-05	2.30E-05	2.29E-05	2.43E-05	2.84E-05	3.05E-05	2.34E-05	1.72E-05	1.42E-05	1.44E-05	1.31E-05
	3EB3	VOLUME	828965	841013	0.0	3.00	-	-	-	4.28	2.79	9.02E-06	4.80E-06	2.64E-06	2.35E-06	2.16E-06	2.95E-06	9.11E-06	2.45E-05	3.22E-05	2.55E-05	2.23E-05	2.23E-05	2.24E-05	2.15E-05	2.30E-05	2.29E-05	2.43E-05	2.84E-05	3.05E-05	2.34E-05	1.72E-05	1.42E-05	1.44E-05	1.31E-05
	3EB4	VOLUME	828961	841021	0.0	3.00	-	-	-	4.28	2.79	9.02E-06	4.80E-06	2.64E-06	2.35E-06	2.16E-06	2.95E-06	9.11E-06	2.45E-05	3.22E-05	2.55E-05	2.23E-05	2.23E-05	2.24E-05	2.15E-05	2.30E-05	2.29E-05	2.43E-05	2.84E-05	3.05E-05	2.34E-05	1.72E-05	1.42E-05	1.44E-05	1.31E-05
	3EB5	VOLUME	828956	841029	0.0	3.00	-	-	-	4.28	2.79	9.02E-06	4.80E-06	2.64E-06	2.35E-06	2.16E-06	2.95E-06	9.11E-06	2.45E-05	3.22E-05	2.55E-05	2.23E-05	2.23E-05	2.24E-05	2.15E-05	2.30E-05	2.29E-05	2.43E-05	2.84E-05	3.05E-05	2.34E-05	1.72E-05	1.42E-05	1.44E-05	1.31E-05
	3EB6	VOLUME	828952	841037	0.0	3.00	-	-	-	4.28	2.79	9.02E-06	4.80E-06	2.64E-06	2.35E-06	2.16E-06	2.95E-06	9.11E-06	2.45E-05	3.22E-05	2.55E-05	2.23E-05	2.23E-05	2.24E-05	2.15E-05	2.30E-05	2.29E-05	2.43E-05	2.84E-05	3.05E-05	2.34E-05	1.72E-05	1.42E-05	1.44E-05	1.31E-05
	3EB7	VOLUME	828947	841045	0.0	3.00	-	-	-	4.28	2.79	4.51E-06	2.40E-06	1.32E-06	1.18E-06	1.08E-06	1.47E-06	4.56E-06	1.22E-05	1.61E-05	1.27E-05	1.12E-05	1.11E-05	1.12E-05	1.08E-05	1.15E-05	1.15E-05	1.21E-05	1.42E-05	1.52E-05	1.17E-05	8.61E-06	7.10E-06	7.21E-06	6.54E-06
	3EB8	VOLUME	828943	841053	0.0	3.00	-	-	-	4.28	2.79	4.51E-06	2.40E-06	1.32E-06	1.18E-06	1.08E-06	1.47E-06	4.56E-06	1.22E-05	1.61E-05	1.27E-05	1.12E-05	1.11E-05	1.12E-05	1.08E-05	1.15E-05	1.15E-05	1.21E-05	1.42E-05	1.52E-05	1.17E-05	8.61E-06	7.10E-06	7.21E-06	6.54E-06
	3EB9	VOLUME	828938	841061	0.0	3.00	-	-	-	4.28	2.79	4.51E-06	2.40E-06	1.32E-06	1.18E-06	1.08E-06	1.47E-06	4.56E-06	1.22E-05	1.61E-05	1.27E-05	1.12E-05	1.11E-05	1.12E-05	1.08E-05	1.15E-05	1.15E-05	1.21E-05	1.42E-05	1.52E-05	1.17E-05	8.61E-06	7.10E-06	7.21E-06	6.54E-06
	3EB10	VOLUME	828934	841069	0.0	3.00	-	-	-	4.28	2.79	4.51E-06	2.40E-06	1.32E-06	1.18E-06	1.08E-06	1.47E-06	4.56E-06	1.22E-05	1.61E-05	1.27E-05	1.12E-05	1.11E-05	1.12E-05	1.08E-05	1.15E-05	1.15E-05	1.21E-05	1.42E-05	1.52E-05	1.17E-05	8.61E-06	7.10E-06	7.21E-06	6.54E-06
	3EB11	VOLUME	828929	841077	0.0	3.00	-	-	-	4.28	2.79	4.51E-06	2.40E-06	1.32E-06	1.18E-06	1.08E-06	1.47E-06	4.56E-06	1.22E-05	1.61E-05	1.27E-05	1.12E-05	1.11E-05	1.12E-05	1.08E-05	1.15E-05	1.15E-05	1.21E-05	1.42E-05	1.52E-05	1.17E-05	8.61E-06	7.10E-06	7.21E-06	6.54E-06
	3EB12	VOLUME	828925	841085	0.0	3.00	-	-	-	4.28	2.79	4.51E-06	2.40E-06	1.32E-06	1.18E-06	1.08E-06	1.47E-06	4.56E-06	1.22E-05	1.61E-05	1.27E-05	1.12E-05	1.11E-05	1.12E-05	1.08E-05	1.15E-05	1.15E-05	1.21E-05	1.42E-05	1.52E-05	1.17E-05	8.61E-06	7.10E-06	7.21E-06	6.54E-06
Internal Road (SB) West of B-10 56	3WB1	VOLUME	829044	840902	0.0	3.00	-	-	-	4.28	2.79	1.00E-05	5.38E-06	3.09E-06	2.81E-06	2.28E-06	3.18E-06	1.00E-05	2.73E-05	3.66E-05	2.88E-05	2.47E-05	2.47E-05	2.49E-05	2.42E-05	2.56E-05	2.56E-05	2.71E-05	3.20E-05	3.47E-05	2.58E-05	1.92E-05	1.59E-05	1.63E-05	1.44E-05
	3WB2	VOLUME	829050	840895	0.0	3.00	-	-	-	4.28	2.79	1.00E-05	5.38E-06	3.09E-06	2.81E-06	2.28E-06	3.18E-06	1.00E-05	2.73E-05	3.66E-05	2.88E-05	2.47E-05	2.47E-05	2.49E-05	2.42E-05	2.56E-05	2.56E-05	2.71E-05	3.20E-05	3.47E-05	2.58E-05	1.92E-05	1.59E-05	1.63E-05	1.44E-05
	3WB3	VOLUME	829056	840888	0.0	3.00	-	-	-	4.28	2.79	1.00E-05	5.38E-06	3.09E-06	2.81E-06	2.28E-06	3.18E-06	1.00E-05	2.73E-05	3.66E-05	2.88E-05	2.47E-05	2.47E-05	2.49E-05	2.42E-05	2.56E-05	2.56E-05	2.71E-05	3.20E-05	3.47E-05	2.58E-05	1.92E-05	1.59E-05	1.63E-05	1.44E-05
	3WB4	VOLUME	829062	840881	0.0	3.00	-	-	-	4.28	2.79	1.00E-05	5.38E-06	3.09E-06	2.81E-06	2.28E-06	3.18E-06	1.00E-05	2.73E-05	3.66E-05	2.88E-05	2.47E-05	2.47E-05	2.49E-05	2.42E-05	2.56E-05	2.56E-05	2.71E-05	3.20E-05	3.47E-05	2.58E-05	1.92E-05	1.59E-05	1.63E-05	1.44E-05
	3WB5	VOLUME	829068	840874	0.0	3.00	-	-	-	4.28	2.79	1.00E-05	5.38E-06	3.09E-06	2.81E-06	2.28E-06	3.18E-06	1.00E-05	2.73E-05	3.66E-05	2.88E-05	2.47E-05	2.47E-05	2.49E-05	2.42E-05	2.56E-05	2.56E-05	2.71E-05	3.20E-05	3.47E-05	2.58E-05	1.92E-05	1.59E-05	1.63E-05	1.44E-05
	3WB6	VOLUME	829073	840867	0.0	3.00	-	-	-	4.28	2.79	1.00E-05	5.38E-06	3.09E-06	2.81E-06	2.28E-06	3.18E-06	1.00E-05	2.73E-05	3.66E-05	2.88E-05	2.47E-05	2.47E-05	2.49E-05	2.42E-05	2.56E-05	2.56E-05	2.71E-05	3.20E-05	3.47E-05	2.58E-05	1.92E-05	1.59E-05	1.63E-05	1.44E-05
	3WB7	VOLUME	829079	840860	0.0	3.00	-	-	-	4.28	2.79	5.02E-06	2.69E-06	1.54E-06	1.41E-06	1.14E-06	1.59E-06	5.02E-06	1.37E-05	1.83E-05	1.44E-05	1.23E-05	1.23E-05	1.25E-05	1.21E-05	1.28E-05	1.28E-05	1.36E-05	1.60E-05	1.74E-05	1.29E-05	9.62E-06	7.94E-06	8.15E-06	7.18E-06
	3WB8	VOLUME	829085	840853	0.0	3.00	-	-	-	4.28	2.79	5.02E-06	2.69E-06	1.54E-06	1.41E-06	1.14E-06	1.59E-06	5.02E-06	1.37E-05	1.83E-05	1.44E-05	1.23E-05	1.23E-05	1.25E-05	1.21E-05	1.28E-05	1.28E-05	1.36E-05	1.60E-05	1.74E-05	1.29E-05	9.62E-06	7.94E-06	8.15E-06	7.18E-06
	3WB9	VOLUME	829091	840846	0.0	3.00	-	-	-	4.28	2.79	5.02E-06	2.69E-06	1.54E-06	1.41E-06	1.14E-06	1.59E-06	5.02E-06	1.37E-05	1.83E-05	1.44E-05	1.23E-05	1.23E-05	1.25E-05	1.21E-05	1.28E-05	1.28E-05	1.36E-05	1.60E-05	1.74E-05	1.29E-05	9.62E-06	7.94E-06	8.15E-06	7.18E-06
	3WB10	VOLUME	829097	840838	0.0	3.00	-	-	-	4.28	2.79	5.02E-06	2.69E-06	1.54E-06	1.41E-06	1.14E-06	1.59E-06	5.02E-06	1.37E-05	1.83E-05	1.44E-05	1.23E-05	1.23E-05	1.25E-05	1.21E-05	1.28E-05	1.28E-05	1.36E-05	1.60E-05	1.74E-05	1.29E-05	9.62E-06	7.94E-06	8.15E-06	7.18E-06
	3WB11	VOLUME	829103	840831	0.0	3.00	-	-	-	4.28	2.79	5.02E-06	2.69E-06	1.54E-06	1.41E-06	1.14E-06	1.59E-06	5.02E-06	1.37E-05	1.83E-05	1.44E-05	1.23E-05	1.23E-05	1.25E-05	1.21E-05	1.28E-05	1.28E-05	1.36E-05	1.60E-05	1.74E-05	1.29E-05	9.62E-06	7.94E-06	8.15E-06	7.18E-06
	3WB12	VOLUME	829108	840824	0.0	3.00	-	-	-	4.28	2.79	5.02E-06	2.69E-06	1.54E-06	1.41E-06	1.14E-06	1.59E-06	5.02E-06	1.37E-05	1.83E-05	1.44E-05	1.23E-05	1.23E-05	1.25E-05	1.21E-05	1.28E-05	1.28E-05	1.36E-05	1.60E-05	1.74E-05	1.29E-05	9.62E-06	7.94E-06	8.15E-06	7.18E-06

Note:  
[1] Referenced from the approved EIA Study "Kai Tak Development" (AEIAR-130/2009) for the design and dimensions of the ventilation building

Emission Inventory for Full Enclosure of Fanling Highway near Golf Parkview (NOx) - Year 2029

Source	Source ID	Type	X	Y	Release Height	Exit Temperature	Exit velocity	Internal diameter	Lateral Dim. (Sy)	Vertical Dim. (Sz)	Hourly RSP Emission Rate (g/s)																							
			(m)	(m)	(m)	(K)	(m/s)	(m)	(m)	(m)	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
11 Fanling Highway (EB)	GEB1	VOLUME	830221	840317	2.55	-	-	-	3.40	2.37	1.40E-03	1.00E-03	7.61E-04	5.42E-04	4.90E-04	5.93E-04	1.36E-03	3.85E-03	5.32E-03	4.78E-03	4.36E-03	4.43E-03	4.05E-03	4.01E-03	4.11E-03	4.15E-03	4.28E-03	4.73E-03	5.02E-03	4.30E-03	3.14E-03	2.65E-03	2.34E-03	1.97E-03
	GEB2	VOLUME	830230	840318	2.55	-	-	-	3.40	2.37	1.40E-03	1.00E-03	7.61E-04	5.42E-04	4.90E-04	5.93E-04	1.36E-03	3.85E-03	5.32E-03	4.78E-03	4.36E-03	4.43E-03	4.05E-03	4.01E-03	4.11E-03	4.15E-03	4.28E-03	4.73E-03	5.02E-03	4.30E-03	3.14E-03	2.65E-03	2.34E-03	1.97E-03
	GEB3	VOLUME	830239	840318	2.55	-	-	-	3.40	2.37	1.40E-03	1.00E-03	7.61E-04	5.42E-04	4.90E-04	5.93E-04	1.36E-03	3.85E-03	5.32E-03	4.78E-03	4.36E-03	4.43E-03	4.05E-03	4.01E-03	4.11E-03	4.15E-03	4.28E-03	4.73E-03	5.02E-03	4.30E-03	3.14E-03	2.65E-03	2.34E-03	1.97E-03
	GEB4	VOLUME	830248	840318	2.55	-	-	-	3.40	2.37	6.98E-04	5.02E-04	3.81E-04	2.71E-04	2.45E-04	2.96E-04	6.80E-04	1.93E-03	2.66E-03	2.39E-03	2.18E-03	2.21E-03	2.03E-03	2.01E-03	2.05E-03	2.07E-03	2.14E-03	2.36E-03	2.51E-03	2.15E-03	1.57E-03	1.33E-03	1.17E-03	9.84E-04
	GEB5	VOLUME	830257	840318	2.55	-	-	-	3.40	2.37	6.98E-04	5.02E-04	3.81E-04	2.71E-04	2.45E-04	2.96E-04	6.80E-04	1.93E-03	2.66E-03	2.39E-03	2.18E-03	2.21E-03	2.03E-03	2.01E-03	2.05E-03	2.07E-03	2.14E-03	2.36E-03	2.51E-03	2.15E-03	1.57E-03	1.33E-03	1.17E-03	9.84E-04
	GEB6	VOLUME	830266	840318	2.55	-	-	-	3.40	2.37	6.98E-04	5.02E-04	3.81E-04	2.71E-04	2.45E-04	2.96E-04	6.80E-04	1.93E-03	2.66E-03	2.39E-03	2.18E-03	2.21E-03	2.03E-03	2.01E-03	2.05E-03	2.07E-03	2.14E-03	2.36E-03	2.51E-03	2.15E-03	1.57E-03	1.33E-03	1.17E-03	9.84E-04
22 Fanling Highway (WB)	GWB1	VOLUME	830052	840280	2.55	-	-	-	3.40	2.37	1.44E-03	1.04E-03	7.90E-04	5.60E-04	4.98E-04	6.09E-04	1.40E-03	3.97E-03	5.52E-03	4.95E-03	4.50E-03	4.57E-03	4.19E-03	4.15E-03	4.25E-03	4.28E-03	4.42E-03	4.90E-03	5.21E-03	4.44E-03	3.24E-03	2.74E-03	2.41E-03	2.03E-03
	GWB2	VOLUME	830039	840278	2.55	-	-	-	3.40	2.37	1.44E-03	1.04E-03	7.90E-04	5.60E-04	4.98E-04	6.09E-04	1.40E-03	3.97E-03	5.52E-03	4.95E-03	4.50E-03	4.57E-03	4.19E-03	4.15E-03	4.25E-03	4.28E-03	4.42E-03	4.90E-03	5.21E-03	4.44E-03	3.24E-03	2.74E-03	2.41E-03	2.03E-03
	GWB3	VOLUME	830026	840276	2.55	-	-	-	3.40	2.37	1.44E-03	1.04E-03	7.90E-04	5.60E-04	4.98E-04	6.09E-04	1.40E-03	3.97E-03	5.52E-03	4.95E-03	4.50E-03	4.57E-03	4.19E-03	4.15E-03	4.25E-03	4.28E-03	4.42E-03	4.90E-03	5.21E-03	4.44E-03	3.24E-03	2.74E-03	2.41E-03	2.03E-03
	GWB4	VOLUME	830013	840275	2.55	-	-	-	3.40	2.37	7.20E-04	5.22E-04	3.95E-04	2.80E-04	2.49E-04	3.05E-04	6.99E-04	1.99E-03	2.76E-03	2.47E-03	2.25E-03	2.29E-03	2.10E-03	2.08E-03	2.13E-03	2.14E-03	2.21E-03	2.45E-03	2.60E-03	2.22E-03	1.62E-03	1.37E-03	1.21E-03	1.01E-03
	GWB5	VOLUME	830000	840273	2.55	-	-	-	3.40	2.37	7.20E-04	5.22E-04	3.95E-04	2.80E-04	2.49E-04	3.05E-04	6.99E-04	1.99E-03	2.76E-03	2.47E-03	2.25E-03	2.29E-03	2.10E-03	2.08E-03	2.13E-03	2.14E-03	2.21E-03	2.45E-03	2.60E-03	2.22E-03	1.62E-03	1.37E-03	1.21E-03	1.01E-03
	GWB6	VOLUME	829987	840272	2.55	-	-	-	3.40	2.37	7.20E-04	5.22E-04	3.95E-04	2.80E-04	2.49E-04	3.05E-04	6.99E-04	1.99E-03	2.76E-03	2.47E-03	2.25E-03	2.29E-03	2.10E-03	2.08E-03	2.13E-03	2.14E-03	2.21E-03	2.45E-03	2.60E-03	2.22E-03	1.62E-03	1.37E-03	1.21E-03	1.01E-03

Note:

[1] Referenced from the approved EIA Study "Kai Tak Development" (AEIAR-130/2009) for the design and dimensions of the ventilation building

Emission Inventory for Full Enclosure of Fanling Highway near Golf Parkview (RSP) - Year 2029

Source	Source ID	Type	X	Y	Release Height	Exit Temp.	Exit velocity	Internal diameter	Lateral Dim. (Sy)	Vertical Dim. (Sz)	Hourly RSP Emission Rate (g/s)																							
			(m)	(m)	(m)	(K)	(m/s)	(m)	(m)	(m)	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
11 Fanling Highway (EB)	GEB1	VOLUME	830221	840317	2.55	-	-	-	3.40	2.37	1.21E-04	8.71E-05	6.59E-05	4.69E-05	4.27E-05	5.11E-05	1.17E-04	3.34E-04	4.74E-04	4.27E-04	3.91E-04	4.02E-04	3.68E-04	3.65E-04	3.73E-04	3.76E-04	3.87E-04	4.27E-04	4.50E-04	3.80E-04	2.75E-04	2.33E-04	2.04E-04	1.72E-04
	GEB2	VOLUME	830230	840318	2.55	-	-	-	3.40	2.37	1.21E-04	8.71E-05	6.59E-05	4.69E-05	4.27E-05	5.11E-05	1.17E-04	3.34E-04	4.74E-04	4.27E-04	3.91E-04	4.02E-04	3.68E-04	3.65E-04	3.73E-04	3.76E-04	3.87E-04	4.27E-04	4.50E-04	3.80E-04	2.75E-04	2.33E-04	2.04E-04	1.72E-04
	GEB3	VOLUME	830239	840318	2.55	-	-	-	3.40	2.37	1.21E-04	8.71E-05	6.59E-05	4.69E-05	4.27E-05	5.11E-05	1.17E-04	3.34E-04	4.74E-04	4.27E-04	3.91E-04	4.02E-04	3.68E-04	3.65E-04	3.73E-04	3.76E-04	3.87E-04	4.27E-04	4.50E-04	3.80E-04	2.75E-04	2.33E-04	2.04E-04	1.72E-04
	GEB4	VOLUME	830248	840318	2.55	-	-	-	3.40	2.37	6.07E-05	4.36E-05	3.29E-05	2.35E-05	2.14E-05	2.55E-05	5.84E-05	1.67E-04	2.37E-04	2.14E-04	1.95E-04	2.01E-04	1.84E-04	1.83E-04	1.87E-04	1.88E-04	1.94E-04	2.14E-04	2.25E-04	1.90E-04	1.38E-04	1.16E-04	1.02E-04	8.61E-05
	GEB5	VOLUME	830257	840318	2.55	-	-	-	3.40	2.37	6.07E-05	4.36E-05	3.29E-05	2.35E-05	2.14E-05	2.55E-05	5.84E-05	1.67E-04	2.37E-04	2.14E-04	1.95E-04	2.01E-04	1.84E-04	1.83E-04	1.87E-04	1.88E-04	1.94E-04	2.14E-04	2.25E-04	1.90E-04	1.38E-04	1.16E-04	1.02E-04	8.61E-05
	GEB6	VOLUME	830266	840318	2.55	-	-	-	3.40	2.37	6.07E-05	4.36E-05	3.29E-05	2.35E-05	2.14E-05	2.55E-05	5.84E-05	1.67E-04	2.37E-04	2.14E-04	1.95E-04	2.01E-04	1.84E-04	1.83E-04	1.87E-04	1.88E-04	1.94E-04	2.14E-04	2.25E-04	1.90E-04	1.38E-04	1.16E-04	1.02E-04	8.61E-05
22 Fanling Highway (WB)	GWB1	VOLUME	830052	840280	2.55	-	-	-	3.40	2.37	1.33E-04	9.61E-05	7.24E-05	5.15E-05	4.51E-05	5.53E-05	1.28E-04	3.66E-04	5.19E-04	4.68E-04	4.27E-04	4.38E-04	4.03E-04	4.00E-04	4.09E-04	4.12E-04	4.23E-04	4.68E-04	4.94E-04	4.16E-04	3.02E-04	2.54E-04	2.23E-04	1.88E-04
	GWB2	VOLUME	830039	840278	2.55	-	-	-	3.40	2.37	1.33E-04	9.61E-05	7.24E-05	5.15E-05	4.51E-05	5.53E-05	1.28E-04	3.66E-04	5.19E-04	4.68E-04	4.27E-04	4.38E-04	4.03E-04	4.00E-04	4.09E-04	4.12E-04	4.23E-04	4.68E-04	4.94E-04	4.16E-04	3.02E-04	2.54E-04	2.23E-04	1.88E-04
	GWB3	VOLUME	830026	840276	2.55	-	-	-	3.40	2.37	1.33E-04	9.61E-05	7.24E-05	5.15E-05	4.51E-05	5.53E-05	1.28E-04	3.66E-04	5.19E-04	4.68E-04	4.27E-04	4.38E-04	4.03E-04	4.00E-04	4.09E-04	4.12E-04	4.23E-04	4.68E-04	4.94E-04	4.16E-04	3.02E-04	2.54E-04	2.23E-04	1.88E-04
	GWB4	VOLUME	830013	840275	2.55	-	-	-	3.40	2.37	6.64E-05	4.81E-05	3.62E-05	2.57E-05	2.26E-05	2.77E-05	6.38E-05	1.83E-04	2.60E-04	2.34E-04	2.14E-04	2.19E-04	2.01E-04	2.00E-04	2.05E-04	2.06E-04	2.12E-04	2.34E-04	2.47E-04	2.08E-04	1.51E-04	1.27E-04	1.12E-04	9.42E-05
	GWB5	VOLUME	830000	840273	2.55	-	-	-	3.40	2.37	6.64E-05	4.81E-05	3.62E-05	2.57E-05	2.26E-05	2.77E-05	6.38E-05	1.83E-04	2.60E-04	2.34E-04	2.14E-04	2.19E-04	2.01E-04	2.00E-04	2.05E-04	2.06E-04	2.12E-04	2.34E-04	2.47E-04	2.08E-04	1.51E-04	1.27E-04	1.12E-04	9.42E-05
	GWB6	VOLUME	829987	840272	2.55	-	-	-	3.40	2.37	6.64E-05	4.81E-05	3.62E-05	2.57E-05	2.26E-05	2.77E-05	6.38E-05	1.83E-04	2.60E-04	2.34E-04	2.14E-04	2.19E-04	2.01E-04	2.00E-04	2.05E-04	2.06E-04	2.12E-04	2.34E-04	2.47E-04	2.08E-04	1.51E-04	1.27E-04	1.12E-04	9.42E-05

Note:

[1] Referenced from the approved EIA Study "Kai Tak Development" (AEIAR-130/2009) for the design and dimensions of the ventilation building

Emission Inventory for Full Enclosure at Planned Internal Road near Ho Sheung Heung Road (NOx) - Year 2029

Source	Source ID	Type	X	Y	Base Elevation	Release Height	Exit Temp.	Exit velocity	Internal diameter	Lateral Dim. (Sy)	Vertical Dim. (Sz)	Hourly NOx Emission Rate (g/s)																							
			(m)	(m)	(mpd)	(m)	(K)	(m/s)	(m)	(m)	(m)	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
Internal Road (NB) West of B-10	5EB1	VOLUME	828819	841236	0.0	3.00	-	-	-	3.35	2.79	2.03E-03	2.02E-03	1.95E-03	2.20E-03	2.07E-03	1.92E-03	2.02E-03	2.09E-03	2.17E-03	2.13E-03	2.07E-03	2.07E-03	2.08E-03	2.08E-03	2.07E-03	2.07E-03	2.09E-03	2.15E-03	2.19E-03	2.06E-03	2.07E-03	2.00E-03	2.03E-03	2.00E-03
	5EB2	VOLUME	828817	841238	0.0	3.00	-	-	-	3.35	2.79	2.03E-03	2.02E-03	1.95E-03	2.20E-03	2.07E-03	1.92E-03	2.02E-03	2.09E-03	2.17E-03	2.13E-03	2.07E-03	2.07E-03	2.08E-03	2.08E-03	2.07E-03	2.07E-03	2.09E-03	2.15E-03	2.19E-03	2.06E-03	2.07E-03	2.00E-03	2.03E-03	2.00E-03
	5EB3	VOLUME	828814	841241	0.0	3.00	-	-	-	3.35	2.79	2.03E-03	2.02E-03	1.95E-03	2.20E-03	2.07E-03	1.92E-03	2.02E-03	2.09E-03	2.17E-03	2.13E-03	2.07E-03	2.07E-03	2.08E-03	2.08E-03	2.07E-03	2.07E-03	2.09E-03	2.15E-03	2.19E-03	2.06E-03	2.07E-03	2.00E-03	2.03E-03	2.00E-03
	5EB4	VOLUME	828812	841243	0.0	3.00	-	-	-	3.35	2.79	2.03E-03	2.02E-03	1.95E-03	2.20E-03	2.07E-03	1.92E-03	2.02E-03	2.09E-03	2.17E-03	2.13E-03	2.07E-03	2.07E-03	2.08E-03	2.08E-03	2.07E-03	2.07E-03	2.09E-03	2.15E-03	2.19E-03	2.06E-03	2.07E-03	2.00E-03	2.03E-03	2.00E-03
	5EB5	VOLUME	828809	841245	0.0	3.00	-	-	-	3.35	2.79	2.03E-03	2.02E-03	1.95E-03	2.20E-03	2.07E-03	1.92E-03	2.02E-03	2.09E-03	2.17E-03	2.13E-03	2.07E-03	2.07E-03	2.08E-03	2.08E-03	2.07E-03	2.07E-03	2.09E-03	2.15E-03	2.19E-03	2.06E-03	2.07E-03	2.00E-03	2.03E-03	2.00E-03
	5EB6	VOLUME	828806	841248	0.0	3.00	-	-	-	3.35	2.79	2.03E-03	2.02E-03	1.95E-03	2.20E-03	2.07E-03	1.92E-03	2.02E-03	2.09E-03	2.17E-03	2.13E-03	2.07E-03	2.07E-03	2.08E-03	2.08E-03	2.07E-03	2.07E-03	2.09E-03	2.15E-03	2.19E-03	2.06E-03	2.07E-03	2.00E-03	2.03E-03	2.00E-03
	5EB7	VOLUME	828804	841250	0.0	3.00	-	-	-	3.35	2.79	2.03E-03	2.02E-03	1.95E-03	2.20E-03	2.07E-03	1.92E-03	2.02E-03	2.09E-03	2.17E-03	2.13E-03	2.07E-03	2.07E-03	2.08E-03	2.08E-03	2.07E-03	2.07E-03	2.09E-03	2.15E-03	2.19E-03	2.06E-03	2.07E-03	2.00E-03	2.03E-03	2.00E-03
	5EB8	VOLUME	828801	841252	0.0	3.00	-	-	-	3.35	2.79	2.03E-03	2.02E-03	1.95E-03	2.20E-03	2.07E-03	1.92E-03	2.02E-03	2.09E-03	2.17E-03	2.13E-03	2.07E-03	2.07E-03	2.08E-03	2.08E-03	2.07E-03	2.07E-03	2.09E-03	2.15E-03	2.19E-03	2.06E-03	2.07E-03	2.00E-03	2.03E-03	2.00E-03
	5EB9	VOLUME	828798	841255	0.0	3.00	-	-	-	3.35	2.79	1.02E-03	1.01E-03	9.77E-04	1.10E-03	1.03E-03	9.61E-04	1.01E-03	1.05E-03	1.09E-03	1.07E-03	1.03E-03	1.04E-03	1.04E-03	1.04E-03	1.03E-03	1.04E-03	1.05E-03	1.08E-03	1.09E-03	1.03E-03	1.03E-03	1.00E-03	1.01E-03	1.00E-03
	5EB10	VOLUME	828796	841257	0.0	3.00	-	-	-	3.35	2.79	1.02E-03	1.01E-03	9.77E-04	1.10E-03	1.03E-03	9.61E-04	1.01E-03	1.05E-03	1.09E-03	1.07E-03	1.03E-03	1.04E-03	1.04E-03	1.04E-03	1.03E-03	1.04E-03	1.05E-03	1.08E-03	1.09E-03	1.03E-03	1.03E-03	1.00E-03	1.01E-03	1.00E-03
	5EB11	VOLUME	828793	841259	0.0	3.00	-	-	-	3.35	2.79	1.02E-03	1.01E-03	9.77E-04	1.10E-03	1.03E-03	9.61E-04	1.01E-03	1.05E-03	1.09E-03	1.07E-03	1.03E-03	1.04E-03	1.04E-03	1.04E-03	1.03E-03	1.04E-03	1.05E-03	1.08E-03	1.09E-03	1.03E-03	1.03E-03	1.00E-03	1.01E-03	1.00E-03
	5EB12	VOLUME	828791	841262	0.0	3.00	-	-	-	3.35	2.79	1.02E-03	1.01E-03	9.77E-04	1.10E-03	1.03E-03	9.61E-04	1.01E-03	1.05E-03	1.09E-03	1.07E-03	1.03E-03	1.04E-03	1.04E-03	1.04E-03	1.03E-03	1.04E-03	1.05E-03	1.08E-03	1.09E-03	1.03E-03	1.03E-03	1.00E-03	1.01E-03	1.00E-03
	5EB13	VOLUME	828788	841264	0.0	3.00	-	-	-	3.35	2.79	1.02E-03	1.01E-03	9.77E-04	1.10E-03	1.03E-03	9.61E-04	1.01E-03	1.05E-03	1.09E-03	1.07E-03	1.03E-03	1.04E-03	1.04E-03	1.04E-03	1.03E-03	1.04E-03	1.05E-03	1.08E-03	1.09E-03	1.03E-03	1.03E-03	1.00E-03	1.01E-03	1.00E-03
	5EB14	VOLUME	828785	841266	0.0	3.00	-	-	-	3.35	2.79	1.02E-03	1.01E-03	9.77E-04	1.10E-03	1.03E-03	9.61E-04	1.01E-03	1.05E-03	1.09E-03	1.07E-03	1.03E-03	1.04E-03	1.04E-03	1.04E-03	1.03E-03	1.04E-03	1.05E-03	1.08E-03	1.09E-03	1.03E-03	1.03E-03	1.00E-03	1.01E-03	1.00E-03
	5EB15	VOLUME	828783	841268	0.0	3.00	-	-	-	3.35	2.79	1.02E-03	1.01E-03	9.77E-04	1.10E-03	1.03E-03	9.61E-04	1.01E-03	1.05E-03	1.09E-03	1.07E-03	1.03E-03	1.04E-03	1.04E-03	1.04E-03	1.03E-03	1.04E-03	1.05E-03	1.08E-03	1.09E-03	1.03E-03	1.03E-03	1.00E-03	1.01E-03	1.00E-03
	5EB16	VOLUME	828780	841271	0.0	3.00	-	-	-	3.35	2.79	1.02E-03	1.01E-03	9.77E-04	1.10E-03	1.03E-03	9.61E-04	1.01E-03	1.05E-03	1.09E-03	1.07E-03	1.03E-03	1.04E-03	1.04E-03	1.04E-03	1.03E-03	1.04E-03	1.05E-03	1.08E-03	1.09E-03	1.03E-03	1.03E-03	1.00E-03	1.01E-03	1.00E-03
Internal Road (SB) West of B-10	5WB1	VOLUME	828900	841148	0.0	3.00	-	-	-	3.35	2.79	2.06E-04	1.10E-04	6.46E-05	5.41E-05	4.64E-05	6.95E-05	2.10E-04	5.63E-04	7.36E-04	5.69E-04	4.94E-04	4.90E-04	4.87E-04	4.73E-04	5.03E-04	5.04E-04	5.30E-04	6.27E-04	6.86E-04	5.24E-04	3.86E-04	3.29E-04	3.34E-04	2.94E-04
	5WB2	VOLUME	828904	841142	0.0	3.00	-	-	-	3.35	2.79	2.06E-04	1.10E-04	6.46E-05	5.41E-05	4.64E-05	6.95E-05	2.10E-04	5.63E-04	7.36E-04	5.69E-04	4.94E-04	4.90E-04	4.87E-04	4.73E-04	5.03E-04	5.04E-04	5.30E-04	6.27E-04	6.86E-04	5.24E-04	3.86E-04	3.29E-04	3.34E-04	2.94E-04
	5WB3	VOLUME	828907	841136	0.0	3.00	-	-	-	3.35	2.79	2.06E-04	1.10E-04	6.46E-05	5.41E-05	4.64E-05	6.95E-05	2.10E-04	5.63E-04	7.36E-04	5.69E-04	4.94E-04	4.90E-04	4.87E-04	4.73E-04	5.03E-04	5.04E-04	5.30E-04	6.27E-04	6.86E-04	5.24E-04	3.86E-04	3.29E-04	3.34E-04	2.94E-04
	5WB4	VOLUME	828911	841130	0.0	3.00	-	-	-	3.35	2.79	2.06E-04	1.10E-04	6.46E-05	5.41E-05	4.64E-05	6.95E-05	2.10E-04	5.63E-04	7.36E-04	5.69E-04	4.94E-04	4.90E-04	4.87E-04	4.73E-04	5.03E-04	5.04E-04	5.30E-04	6.27E-04	6.86E-04	5.24E-04	3.86E-04	3.29E-04	3.34E-04	2.94E-04
	5WB5	VOLUME	828915	841124	0.0	3.00	-	-	-	3.35	2.79	2.06E-04	1.10E-04	6.46E-05	5.41E-05	4.64E-05	6.95E-05	2.10E-04	5.63E-04	7.36E-04	5.69E-04	4.94E-04	4.90E-04	4.87E-04	4.73E-04	5.03E-04	5.04E-04	5.30E-04	6.27E-04	6.86E-04	5.24E-04	3.86E-04	3.29E-04	3.34E-04	2.94E-04
	5WB6	VOLUME	828919	841118	0.0	3.00	-	-	-	3.35	2.79	2.06E-04	1.10E-04	6.46E-05	5.41E-05	4.64E-05	6.95E-05	2.10E-04	5.63E-04	7.36E-04	5.69E-04	4.94E-04	4.90E-04	4.87E-04	4.73E-04	5.03E-04	5.04E-04	5.30E-04	6.27E-04	6.86E-04	5.24E-04	3.86E-04	3.29E-04	3.34E-04	2.94E-04
	5WB7	VOLUME	828923	841111	0.0	3.00	-	-	-	3.35	2.79	2.06E-04	1.10E-04	6.46E-05	5.41E-05	4.64E-05	6.95E-05	2.10E-04	5.63E-04	7.36E-04	5.69E-04	4.94E-04	4.90E-04	4.87E-04	4.73E-04	5.03E-04	5.04E-04	5.30E-04	6.27E-04	6.86E-04	5.24E-04	3.86E-04	3.29E-04	3.34E-04	2.94E-04
	5WB8	VOLUME	828927	841105	0.0	3.00	-	-	-	3.35	2.79	2.06E-04	1.10E-04	6.46E-05	5.41E-05	4.64E-05	6.95E-05	2.10E-04	5.63E-04	7.36E-04	5.69E-04	4.94E-04	4.90E-04	4.87E-04	4.73E-04	5.03E-04	5.04E-04	5.30E-04	6.27E-04	6.86E-04	5.24E-04	3.86E-04	3.29E-04	3.34E-04	2.94E-04
	5WB9	VOLUME	828931	841099	0.0	3.00	-	-	-	3.35	2.79	1.03E-04	5.50E-05	3.23E-05	2.71E-05	2.32E-05	3.47E-05	1.05E-04	2.81E-04	3.68E-04	2.85E-04	2.47E-04	2.45E-04	2.44E-04	2.36E-04	2.52E-04	2.52E-04	2.65E-04	3.14E-04	3.43E-04	2.62E-04	1.93E-04	1.65E-04	1.67E-04	1.47E-04
	5WB10	VOLUME	828934	841093	0.0	3.00	-	-	-	3.35	2.79	1.03E-04	5.50E-05	3.23E-05	2.71E-05	2.32E-05	3.47E-05	1.05E-04	2.81E-04	3.68E-04	2.85E-04	2.47E-04	2.45E-04	2.44E-04	2.36E-04	2.52E-04	2.52E-04	2.65E-04	3.14E-04	3.43E-04	2.62E-04	1.93E-04	1.65E-04	1.67E-04	1.47E-04
	5WB11	VOLUME	828938	841087	0.0	3.00	-	-	-	3.35	2.79	1.03E-04	5.50E-05	3.23E-05	2.71E-05	2.32E-05	3.47E-05	1.05E-04	2.81E-04	3.68E-04	2.85E-04	2.47E-04	2.45E-04	2.44E-04	2.36E-04	2.52E-04	2.52E-04	2.65E-04	3.14E-04	3.43E-04	2.62E-04	1.93E-04	1.65E-04	1.67E-04	1.47E-04
	5WB12	VOLUME	828942	841081	0.0	3.00	-	-	-	3.35	2.79	1.03E-04	5.50E-05	3.23E-05	2.71E-05																				

Emission Inventory for Full Enclosure at Planned Internal Road near Ho Sheung Heung Road (RSP) - Year 2029

Source	Source ID	Type	X	Y	Base Elevation	Release Height	Exit Temp.	Exit velocity	Internal diameter	Lateral Dim. (Sy)	Vertical Dim. (Sz)	Hourly RSP Emission Rate (g/s)																							
			(m)	(m)	(mpd)	(m)	(K)	(m/s)	(m)	(m)	(m)	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
Internal Road (NB) West of B-10	5EB1	VOLUME	828819	841236	0.0	3.00	-	-	-	3.35	2.79	6.83E-06	3.63E-06	1.99E-06	1.78E-06	1.64E-06	2.23E-06	6.89E-06	1.85E-05	2.44E-05	1.93E-05	1.69E-05	1.68E-05	1.70E-05	1.63E-05	1.74E-05	1.74E-05	1.84E-05	2.15E-05	2.31E-05	1.77E-05	1.30E-05	1.07E-05	1.09E-05	9.90E-06
	5EB2	VOLUME	828817	841238	0.0	3.00	-	-	-	3.35	2.79	6.83E-06	3.63E-06	1.99E-06	1.78E-06	1.64E-06	2.23E-06	6.89E-06	1.85E-05	2.44E-05	1.93E-05	1.69E-05	1.68E-05	1.70E-05	1.63E-05	1.74E-05	1.74E-05	1.84E-05	2.15E-05	2.31E-05	1.77E-05	1.30E-05	1.07E-05	1.09E-05	9.90E-06
	5EB3	VOLUME	828814	841241	0.0	3.00	-	-	-	3.35	2.79	6.83E-06	3.63E-06	1.99E-06	1.78E-06	1.64E-06	2.23E-06	6.89E-06	1.85E-05	2.44E-05	1.93E-05	1.69E-05	1.68E-05	1.70E-05	1.63E-05	1.74E-05	1.74E-05	1.84E-05	2.15E-05	2.31E-05	1.77E-05	1.30E-05	1.07E-05	1.09E-05	9.90E-06
	5EB4	VOLUME	828812	841243	0.0	3.00	-	-	-	3.35	2.79	6.83E-06	3.63E-06	1.99E-06	1.78E-06	1.64E-06	2.23E-06	6.89E-06	1.85E-05	2.44E-05	1.93E-05	1.69E-05	1.68E-05	1.70E-05	1.63E-05	1.74E-05	1.74E-05	1.84E-05	2.15E-05	2.31E-05	1.77E-05	1.30E-05	1.07E-05	1.09E-05	9.90E-06
	5EB5	VOLUME	828809	841245	0.0	3.00	-	-	-	3.35	2.79	6.83E-06	3.63E-06	1.99E-06	1.78E-06	1.64E-06	2.23E-06	6.89E-06	1.11E-04	2.44E-05	1.93E-05	1.69E-05	1.68E-05	1.70E-05	1.63E-05	1.74E-05	1.74E-05	1.84E-05	2.15E-05	2.31E-05	1.77E-05	1.30E-05	1.07E-05	1.09E-05	9.90E-06
	5EB6	VOLUME	828806	841248	0.0	3.00	-	-	-	3.35	2.79	6.83E-06	3.63E-06	1.99E-06	1.78E-06	1.64E-06	2.23E-06	6.89E-06	1.11E-04	2.44E-05	1.93E-05	1.69E-05	1.68E-05	1.70E-05	1.63E-05	1.74E-05	1.74E-05	1.84E-05	2.15E-05	2.31E-05	1.77E-05	1.30E-05	1.07E-05	1.09E-05	9.90E-06
	5EB7	VOLUME	828804	841250	0.0	3.00	-	-	-	3.35	2.79	6.83E-06	3.63E-06	1.99E-06	1.78E-06	1.64E-06	2.23E-06	6.89E-06	1.11E-04	2.44E-05	1.93E-05	1.69E-05	1.68E-05	1.70E-05	1.63E-05	1.74E-05	1.74E-05	1.84E-05	2.15E-05	2.31E-05	1.77E-05	1.30E-05	1.07E-05	1.09E-05	9.90E-06
	5EB8	VOLUME	828801	841252	0.0	3.00	-	-	-	3.35	2.79	6.83E-06	3.63E-06	1.99E-06	1.78E-06	1.64E-06	2.23E-06	6.89E-06	1.11E-04	2.44E-05	1.93E-05	1.69E-05	1.68E-05	1.70E-05	1.63E-05	1.74E-05	1.74E-05	1.84E-05	2.15E-05	2.31E-05	1.77E-05	1.30E-05	1.07E-05	1.09E-05	9.90E-06
	5EB9	VOLUME	828798	841255	0.0	3.00	-	-	-	3.35	2.79	3.41E-06	1.82E-06	9.97E-07	8.90E-07	8.18E-07	1.12E-06	3.45E-06	9.26E-06	1.22E-05	9.63E-06	8.44E-06	8.42E-06	8.48E-06	8.14E-06	8.70E-06	8.68E-06	9.19E-06	1.07E-05	1.15E-05	8.87E-06	6.51E-06	5.37E-06	5.46E-06	4.95E-06
	5EB10	VOLUME	828796	841257	0.0	3.00	-	-	-	3.35	2.79	3.41E-06	1.82E-06	9.97E-07	8.90E-07	8.18E-07	1.12E-06	3.45E-06	9.26E-06	1.22E-05	9.63E-06	8.44E-06	8.42E-06	8.48E-06	8.14E-06	8.70E-06	8.68E-06	9.19E-06	1.07E-05	1.15E-05	8.87E-06	6.51E-06	5.37E-06	5.46E-06	4.95E-06
	5EB11	VOLUME	828793	841259	0.0	3.00	-	-	-	3.35	2.79	3.41E-06	1.82E-06	9.97E-07	8.90E-07	8.18E-07	1.12E-06	3.45E-06	9.26E-06	1.22E-05	9.63E-06	8.44E-06	8.42E-06	8.48E-06	8.14E-06	8.70E-06	8.68E-06	9.19E-06	1.07E-05	1.15E-05	8.87E-06	6.51E-06	5.37E-06	5.46E-06	4.95E-06
	5EB12	VOLUME	828791	841262	0.0	3.00	-	-	-	3.35	2.79	3.41E-06	1.82E-06	9.97E-07	8.90E-07	8.18E-07	1.12E-06	3.45E-06	9.26E-06	1.22E-05	9.63E-06	8.44E-06	8.42E-06	8.48E-06	8.14E-06	8.70E-06	8.68E-06	9.19E-06	1.07E-05	1.15E-05	8.87E-06	6.51E-06	5.37E-06	5.46E-06	4.95E-06
	5EB13	VOLUME	828788	841264	0.0	3.00	-	-	-	3.35	2.79	3.41E-06	1.82E-06	9.97E-07	8.90E-07	8.18E-07	1.12E-06	3.45E-06	1.02E-04	1.22E-05	9.63E-06	8.44E-06	8.42E-06	8.48E-06	8.14E-06	8.70E-06	8.68E-06	9.19E-06	1.07E-05	1.15E-05	8.87E-06	6.51E-06	5.37E-06	5.46E-06	4.95E-06
	5EB14	VOLUME	828785	841266	0.0	3.00	-	-	-	3.35	2.79	3.41E-06	1.82E-06	9.97E-07	8.90E-07	8.18E-07	1.12E-06	3.45E-06	1.02E-04	1.22E-05	9.63E-06	8.44E-06	8.42E-06	8.48E-06	8.14E-06	8.70E-06	8.68E-06	9.19E-06	1.07E-05	1.15E-05	8.87E-06	6.51E-06	5.37E-06	5.46E-06	4.95E-06
	5EB15	VOLUME	828783	841268	0.0	3.00	-	-	-	3.35	2.79	3.41E-06	1.82E-06	9.97E-07	8.90E-07	8.18E-07	1.12E-06	3.45E-06	1.02E-04	1.22E-05	9.63E-06	8.44E-06	8.42E-06	8.48E-06	8.14E-06	8.70E-06	8.68E-06	9.19E-06	1.07E-05	1.15E-05	8.87E-06	6.51E-06	5.37E-06	5.46E-06	4.95E-06
	5EB16	VOLUME	828780	841271	0.0	3.00	-	-	-	3.35	2.79	3.41E-06	1.82E-06	9.97E-07	8.90E-07	8.18E-07	1.12E-06	3.45E-06	1.02E-04	1.22E-05	9.63E-06	8.44E-06	8.42E-06	8.48E-06	8.14E-06	8.70E-06	8.68E-06	9.19E-06	1.07E-05	1.15E-05	8.87E-06	6.51E-06	5.37E-06	5.46E-06	4.95E-06
Internal Road (SB) West of B-10	5WB1	VOLUME	828900	841148	0.0	3.00	-	-	-	3.35	2.79	7.95E-06	4.26E-06	2.44E-06	2.23E-06	1.81E-06	2.52E-06	7.95E-06	2.16E-05	2.89E-05	2.28E-05	1.95E-05	1.95E-05	1.97E-05	1.92E-05	2.02E-05	2.02E-05	2.14E-05	2.53E-05	2.75E-05	2.04E-05	1.52E-05	1.26E-05	1.29E-05	1.14E-05
	5WB2	VOLUME	828904	841142	0.0	3.00	-	-	-	3.35	2.79	7.95E-06	4.26E-06	2.44E-06	2.23E-06	1.81E-06	2.52E-06	7.95E-06	2.16E-05	2.89E-05	2.28E-05	1.95E-05	1.95E-05	1.97E-05	1.92E-05	2.02E-05	2.02E-05	2.14E-05	2.53E-05	2.75E-05	2.04E-05	1.52E-05	1.26E-05	1.29E-05	1.14E-05
	5WB3	VOLUME	828907	841136	0.0	3.00	-	-	-	3.35	2.79	7.95E-06	4.26E-06	2.44E-06	2.23E-06	1.81E-06	2.52E-06	7.95E-06	2.16E-05	2.89E-05	2.28E-05	1.95E-05	1.95E-05	1.97E-05	1.92E-05	2.02E-05	2.02E-05	2.14E-05	2.53E-05	2.75E-05	2.04E-05	1.52E-05	1.26E-05	1.29E-05	1.14E-05
	5WB4	VOLUME	828911	841130	0.0	3.00	-	-	-	3.35	2.79	7.95E-06	4.26E-06	2.44E-06	2.23E-06	1.81E-06	2.52E-06	7.95E-06	2.16E-05	2.89E-05	2.28E-05	1.95E-05	1.95E-05	1.97E-05	1.92E-05	2.02E-05	2.02E-05	2.14E-05	2.53E-05	2.75E-05	2.04E-05	1.52E-05	1.26E-05	1.29E-05	1.14E-05
	5WB5	VOLUME	828915	841124	0.0	3.00	-	-	-	3.35	2.79	7.95E-06	4.26E-06	2.44E-06	2.23E-06	1.81E-06	2.52E-06	7.95E-06	2.16E-05	2.89E-05	2.28E-05	1.95E-05	1.95E-05	1.97E-05	1.92E-05	2.02E-05	2.02E-05	2.14E-05	2.53E-05	2.75E-05	2.04E-05	1.52E-05	1.26E-05	1.29E-05	1.14E-05
	5WB6	VOLUME	828919	841118	0.0	3.00	-	-	-	3.35	2.79	7.95E-06	4.26E-06	2.44E-06	2.23E-06	1.81E-06	2.52E-06	7.95E-06	2.16E-05	2.89E-05	2.28E-05	1.95E-05	1.95E-05	1.97E-05	1.92E-05	2.02E-05	2.02E-05	2.14E-05	2.53E-05	2.75E-05	2.04E-05	1.52E-05	1.26E-05	1.29E-05	1.14E-05
	5WB7	VOLUME	828923	841111	0.0	3.00	-	-	-	3.35	2.79	7.95E-06	4.26E-06	2.44E-06	2.23E-06	1.81E-06	2.52E-06	7.95E-06	2.16E-05	2.89E-05	2.28E-05	1.95E-05	1.95E-05	1.97E-05	1.92E-05	2.02E-05	2.02E-05	2.14E-05	2.53E-05	2.75E-05	2.04E-05	1.52E-05	1.26E-05	1.29E-05	1.14E-05
	5WB8	VOLUME	828927	841105	0.0	3.00	-	-	-	3.35	2.79	7.95E-06	4.26E-06	2.44E-06	2.23E-06	1.81E-06	2.52E-06	7.95E-06	2.16E-05	2.89E-05	2.28E-05	1.95E-05	1.95E-05	1.97E-05	1.92E-05	2.02E-05	2.02E-05	2.14E-05	2.53E-05	2.75E-05	2.04E-05	1.52E-05	1.26E-05	1.29E-05	1.14E-05
	5WB9	VOLUME	828931	841099	0.0	3.00	-	-	-	3.35	2.79	3.97E-06	2.13E-06	1.22E-06	1.11E-06	9.04E-07	1.26E-06	3.97E-06	1.08E-05	1.45E-05	1.14E-05	9.77E-06	9.76E-06	9.86E-06	9.59E-06	1.01E-05	1.01E-05	1.07E-05	1.27E-05	1.37E-05	1.02E-05	7.61E-06	6.28E-06	6.45E-06	5.68E-06
	5WB10	VOLUME	828934	841093	0.0	3.00	-	-	-	3.35	2.79	3.97E-06	2.13E-06	1.22E-06	1.11E-06	9.04E-07	1.26E-06	3.97E-06	1.08E-05	1.45E-05	1.14E-05	9.77E-06	9.76E-06	9.86E-06	9.59E-06	1.01E-05	1.01E-05	1.07E-05	1.27E-05	1.37E-05	1.02E-05	7.61E-06	6.28E-06	6.45E-06	5.68E-06
	5WB11	VOLUME	828938	841087	0.0	3.00	-	-	-	3.35	2.79	3.97E-06	2.13E-06	1.22E-06	1.11E-06	9.04E-07	1.26E-06	3.97E-06	1.08E-05	1.45E-05	1.14E-05	9.77E-06	9.76E-06	9.86E-06	9.59E-06	1.01E-05	1.01E-05	1.07E-05	1.27E-05	1.37E-05	1.02E-05	7.61E-06	6.28E-06	6.45E-06	5.68E-06
	5WB12	VOLUME	828942	841081	0.0	3.00	-	-	-	3.35	2.79	3.97E-06	2.13E-06	1.22E-06	1.11E-06																				

[1] Referenced from the approved EIA Study "Kai Tak Development" (AEIAR-130/2009) for the design and dimensions of the ventilation building



	Source		Y	Y	Base	Release
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[1] Referenced from the approved EIA Study "Kai Tak Development" (AEIAR-130/2009) for the design and dimensions of the ventilation building

Source	Source ID	Type	X	Y	Base Elevation	Release Height	Exit Temp.	Exit Velocity	Internal Diameter	Lateral Dist. (Sy)	Vertical Dist. (Sz)	Hourly NOx Emission Rate (g/s)																								
			(m)	(m)	(mpd)	(m)	(K)	(m/s)	(m)	(m)	(m)	(m)	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
Castle Peak Road (B5 & B7)	E81	VOLUME	B27825	840520	0.0	3.00	-	-	-	1.72	2.79	9.38E-05	3.88E-05	1.57E-05	1.65E-05	1.49E-05	2.52E-05	9.74E-05	2.49E-04	2.90E-04	1.97E-04	1.60E-04	1.55E-04	1.73E-04	1.67E-04	1.86E-04	1.83E-04	2.01E-04	2.48E-04	2.67E-04	1.93E-04	1.49E-04	1.27E-04	1.46E-04	1.36E-04	
	E82	VOLUME	B27829	840519	0.0	3.00	-	-	-	1.72	2.79	9.38E-05	3.88E-05	1.57E-05	1.65E-05	1.49E-05	2.52E-05	9.74E-05	2.49E-04	2.90E-04	1.97E-04	1.60E-04	1.55E-04	1.73E-04	1.67E-04	1.86E-04	1.83E-04	2.01E-04	2.48E-04	2.67E-04	1.93E-04	1.49E-04	1.27E-04	1.46E-04	1.36E-04	
	E83	VOLUME	B27832	840518	0.0	3.00	-	-	-	1.72	2.79	9.38E-05	3.88E-05	1.57E-05	1.65E-05	1.49E-05	2.52E-05	9.74E-05	2.49E-04	2.90E-04	1.97E-04	1.60E-04	1.55E-04	1.73E-04	1.67E-04	1.86E-04	1.83E-04	2.01E-04	2.48E-04	2.67E-04	1.93E-04	1.49E-04	1.27E-04	1.46E-04	1.36E-04	
	E84	VOLUME	B27836	840517	0.0	3.00	-	-	-	1.72	2.79	9.38E-05	3.88E-05	1.57E-05	1.65E-05	1.49E-05	2.52E-05	9.74E-05	2.49E-04	2.90E-04	1.97E-04	1.60E-04	1.55E-04	1.73E-04	1.67E-04	1.86E-04	1.83E-04	2.01E-04	2.48E-04	2.67E-04	1.93E-04	1.49E-04	1.27E-04	1.46E-04	1.36E-04	
	E85	VOLUME	B27839	840516	0.0	3.00	-	-	-	1.72	2.79	9.38E-05	3.88E-05	1.57E-05	1.65E-05	1.49E-05	2.52E-05	9.74E-05	2.49E-04	2.90E-04	1.97E-04	1.60E-04	1.55E-04	1.73E-04	1.67E-04	1.86E-04	1.83E-04	2.01E-04	2.48E-04	2.67E-04	1.93E-04	1.49E-04	1.27E-04	1.46E-04	1.36E-04	
	E86	VOLUME	B27843	840514	0.0	3.00	-	-	-	1.72	2.79	9.38E-05	3.88E-05	1.57E-05	1.65E-05	1.49E-05	2.52E-05	9.74E-05	2.49E-04	2.90E-04	1.97E-04	1.60E-04	1.55E-04	1.73E-04	1.67E-04	1.86E-04	1.83E-04	2.01E-04	2.48E-04	2.67E-04	1.93E-04	1.49E-04	1.27E-04	1.46E-04	1.36E-04	
	E87	VOLUME	B27846	840513	0.0	3.00	-	-	-	1.72	2.79	9.38E-05	3.88E-05	1.57E-05	1.65E-05	1.49E-05	2.52E-05	9.74E-05	2.49E-04	2.90E-04	1.97E-04	1.60E-04	1.55E-04	1.73E-04	1.67E-04	1.86E-04	1.83E-04	2.01E-04	2.48E-04	2.67E-04	1.93E-04	1.49E-04	1.27E-04	1.46E-04	1.36E-04	
	E88	VOLUME	B27850	840512	0.0	3.00	-	-	-	1.72	2.79	9.38E-05	3.88E-05	1.57E-05	1.65E-05	1.49E-05	2.52E-05	9.74E-05	2.49E-04	2.90E-04	1.97E-04	1.60E-04	1.55E-04	1.73E-04	1.67E-04	1.86E-04	1.83E-04	2.01E-04	2.48E-04	2.67E-04	1.93E-04	1.49E-04	1.27E-04	1.46E-04	1.36E-04	
	E89	VOLUME	B27853	840511	0.0	3.00	-	-	-	1.72	2.79	9.38E-05	3.88E-05	1.57E-05	1.65E-05	1.49E-05	2.52E-05	9.74E-05	2.49E-04	2.90E-04	1.97E-04	1.60E-04	1.55E-04	1.73E-04	1.67E-04	1.86E-04	1.83E-04	2.01E-04	2.48E-04	2.67						

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[1] Referenced from the approved EIA Study "Kai Tak Development" (AEIAR-130/2009) for the design and dimensions of the ventilation building

Note:  
[1] Referenced from the approved EIA Study "Kai Tak Development" (AEIAR-130/2009) for the design and dimensions of the ventilation building

Emission Inventory for Depressway of Fanling Bypass at Lung Yauk Tau Interchange (RSP) - Year 2029																																		
Source	Source ID	Type	X	Y	Release Height	Exit Temperat	Exit velocity	Internal diameter	Lateral Dim. (Sy)	Vertical Dim. (Sz)	Hourly RSP Emission Rate (g/s)																							
			(m)	(m)	(m)	(K)	(m/s)	(m)	(m)	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23	
488 Fanling Bypass (SB)	BSB1	VOLUME	833300	840202	2.55	-	-	-	3.40	2.37	5.69E-06	2.98E-06	1.36E-06	1.34E-06	1.27E-06	1.93E-06	6.16E-06	1.48E-05	1.98E-05	1.51E-05	1.36E-05	1.35E-05	1.35E-05	1.30E-05	1.42E-05	1.42E-05	1.48E-05	1.66E-05	1.84E-05	1.42E-05	1.05E-05	9.12E-06	9.30E-06	8.42E-06
	BSB2	VOLUME	833305	840196	2.55	-	-	-	3.40	2.37	5.69E-06	2.98E-06	1.36E-06	1.34E-06	1.27E-06	1.93E-06	6.16E-06	1.48E-05	1.98E-05	1.51E-05	1.36E-05	1.35E-05	1.35E-05	1.30E-05	1.42E-05	1.42E-05	1.48E-05	1.66E-05	1.84E-05	1.42E-05	1.05E-05	9.12E-06	9.30E-06	8.42E-06
	BSB3	VOLUME	833309	840190	2.55	-	-	-	3.40	2.37	5.69E-06	2.98E-06	1.36E-06	1.34E-06	1.27E-06	1.93E-06	6.16E-06	1.48E-05	1.98E-05	1.51E-05	1.36E-05	1.35E-05	1.35E-05	1.30E-05	1.42E-05	1.42E-05	1.48E-05	1.66E-05	1.84E-05	1.42E-05	1.05E-05	9.12E-06	9.30E-06	8.42E-06
	BSB4	VOLUME	833314	840184	2.55	-	-	-	3.40	2.37	5.69E-06	2.98E-06	1.36E-06	1.34E-06	1.27E-06	1.93E-06	6.16E-06	1.48E-05	1.98E-05	1.51E-05	1.36E-05	1.35E-05	1.35E-05	1.30E-05	1.42E-05	1.42E-05	1.48E-05	1.66E-05	1.84E-05	1.42E-05	1.05E-05	9.12E-06	9.30E-06	8.42E-06
	BSB5	VOLUME	833316	840178	2.55	-	-	-	3.40	2.37	5.69E-06	2.98E-06	1.36E-06	1.34E-06	1.27E-06	1.93E-06	6.16E-06	1.48E-05	1.98E-05	1.51E-05	1.36E-05	1.35E-05	1.35E-05	1.30E-05	1.42E-05	1.42E-05	1.48E-05	1.66E-05	1.84E-05	1.42E-05	1.05E-05	9.12E-06	9.30E-06	8.42E-06
	BSB6	VOLUME	833322	840172	2.55	-	-	-	3.40	2.37	5.69E-06	2.98E-06	1.36E-06	1.34E-06	1.27E-06	1.93E-06	6.16E-06	1.48E-05	1.98E-05	1.51E-05	1.36E-05	1.35E-05	1.35E-05	1.30E-05	1.42E-05	1.42E-05	1.48E-05	1.66E-05	1.84E-05	1.42E-05	1.05E-05	9.12E-06	9.30E-06	8.42E-06
	BSB7	VOLUME	833327	840167	2.55	-	-	-	3.40	2.37	5.69E-06	2.98E-06	1.36E-06	1.34E-06	1.27E-06	1.93E-06	6.16E-06	1.48E-05	1.98E-05	1.51E-05	1.36E-05	1.35E-05	1.35E-05	1.30E-05	1.42E-05	1.42E-05	1.48E-05	1.66E-05	1.84E-05	1.42E-05	1.05E-05	9.12E-06	9.30E-06	8.42E-06
	BSB8	VOLUME	833331	840161	2.55	-	-	-	3.40	2.37	2.84E-06	1.49E-06	6.79E-07	6.71E-07	6.35E-07	9.63E-07	3.08E-06	7.42E-06	9.89E-06	7.56E-06	6.78E-06	6.74E-06	6.75E-06	6.49E-06	7.08E-06	7.08E-06	7.42E-06	8.30E-06	9.21E-06	7.09E-06	5.23E-06	4.56E-06	4.65E-06	4.21E-06
	BSB9	VOLUME	833336	840155	2.55	-	-	-	3.40	2.37	2.84E-06	1.49E-06	6.79E-07	6.71E-07	6.35E-07	9.63E-07	3.08E-06	7.42E-06	9.89E-06	7.56E-06	6.78E-06	6.74E-06	6.75E-06	6.49E-06	7.08E-06	7.08E-06	7.42E-06	8.30E-06	9.21E-06	7.09E-06	5.23E-06	4.56E-06	4.65E-06	4.21E-06
	BSB10	VOLUME	833340	840149	2.55	-	-	-	3.40	2.37	2.84E-06	1.49E-06	6.79E-07	6.71E-07	6.35E-07	9.63E-07	3.08E-06	7.42E-06	9.89E-06	7.56E-06	6.78E-06	6.74E-06	6.75E-06	6.49E-06	7.08E-06	7.08E-06	7.42E-06	8.30E-06	9.21E-06	7.09E-06	5.23E-06	4.56E-06	4.65E-06	4.21E-06
	BSB11	VOLUME	833344	840143	2.55	-	-	-	3.40	2.37	2.84E-06	1.49E-06	6.79E-07	6.71E-07	6.35E-07	9.63E-07	3.08E-06	7.42E-06	9.89E-06	7.56E-06	6.78E-06	6.74E-06	6.75E-06	6.49E-06	7.08E-06	7.08E-06	7.42E-06	8.30E-06	9.21E-06	7.09E-06	5.23E-06	4.56E-06	4.65E-06	4.21E-06
	BSB12	VOLUME	833349	840137	2.55	-	-	-	3.40	2.37	2.84E-06	1.49E-06	6.79E-07	6.71E-07	6.35E-07	9.63E-07	3.08E-06	7.42E-06	9.89E-06	7.56E-06	6.78E-06	6.74E-06	6.75E-06	6.49E-06	7.08E-06	7.08E-06	7.42E-06	8.30E-06	9.21E-06	7.09E-06	5.23E-06	4.56E-06	4.65E-06	4.21E-06
	BSB13	VOLUME	833352	840132	2.55	-	-	-	3.40	2.37	2.84E-06	1.49E-06	6.79E-07	6.71E-07	6.35E-07	9.63E-07	3.08E-06	7.42E-06	9.89E-06	7.56E-06	6.78E-06	6.74E-06	6.75E-06	6.49E-06	7.08E-06	7.08E-06	7.42E-06	8.30E-06	9.21E-06	7.09E-06	5.23E-06	4.56E-06	4.65E-06	4.21E-06
	BSB14	VOLUME	833356	840126	2.55	-	-	-	3.40	2.37	2.84E-06	1.49E-06	6.79E-07	6.71E-07	6.35E-07	9.63E-07	3.08E-06	7.42E-06	9.89E-06	7.56E-06	6.78E-06	6.74E-06	6.75E-06	6.49E-06	7.08E-06	7.08E-06	7.42E-06	8.30E-06	9.21E-06	7.09E-06	5.23E-06	4.56E-06	4.65E-06	4.21E-06
487 Fanling Bypass (NB)	BNB1	VOLUME	833162	840359	2.55	-	-	-	3.40	2.37	1.59E-05	8.52E-06	5.33E-06	4.18E-06	3.53E-06	5.51E-06	1.59E-05	4.07E-05	5.69E-05	4.31E-05	3.73E-05	3.73E-05	3.73E-05	3.61E-05	3.83E-05	3.82E-05	4.05E-05	4.84E-05	5.23E-05	3.90E-05	2.99E-05	2.49E-05	2.60E-05	2.28E-05
	BNB2	VOLUME	833163	840364	2.55	-	-	-	3.40	2.37	1.59E-05	8.52E-06	5.33E-06	4.18E-06	3.53E-06	5.51E-06	1.59E-05	4.07E-05	5.69E-05	4.31E-05	3.73E-05	3.73E-05	3.73E-05	3.61E-05	3.83E-05	3.82E-05	4.05E-05	4.84E-05	5.23E-05	3.90E-05	2.99E-05	2.49E-05	2.60E-05	2.28E-05
	BNB3	VOLUME	833159	840370	2.55	-	-	-	3.40	2.37	1.59E-05	8.52E-06	5.33E-06	4.18E-06	3.53E-06	5.51E-06	1.59E-05	4.07E-05	5.69E-05	4.31E-05	3.73E-05	3.73E-05	3.73E-05	3.61E-05	3.83E-05	3.82E-05	4.05E-05	4.84E-05	5.23E-05	3.90E-05	2.99E-05	2.49E-05	2.60E-05	2.28E-05
	BNB4	VOLUME	833154	840376	2.55	-	-	-	3.40	2.37	1.59E-05	8.52E-06	5.33E-06	4.18E-06	3.53E-06	5.51E-06	1.59E-05	4.07E-05	5.69E-05	4.31E-05	3.73E-05	3.73E-05	3.73E-05	3.61E-05	3.83E-05	3.82E-05	4.05E-05	4.84E-05	5.23E-05	3.90E-05	2.99E-05	2.49E-05	2.60E-05	2.28E-05
	BNB5	VOLUME	833150	840382	2.55	-	-	-	3.40	2.37	1.59E-05	8.52E-06	5.33E-06	4.18E-06	3.53E-06	5.51E-06	1.59E-05	4.07E-05	5.69E-05	4.31E-05	3.73E-05	3.73E-05	3.73E-05	3.61E-05	3.83E-05	3.82E-05	4.05E-05	4.84E-05	5.23E-05	3.90E-05	2.99E-05	2.49E-05	2.60E-05	2.28E-05
	BNB6	VOLUME	833145	840388	2.55	-	-	-	3.40	2.37	1.59E-05	8.52E-06	5.33E-06	4.18E-06	3.53E-06	5.51E-06	1.59E-05	4.07E-05	5.69E-05	4.31E-05	3.73E-05	3.73E-05	3.73E-05	3.61E-05	3.83E-05	3.82E-05	4.05E-05	4.84E-05	5.23E-05	3.90E-05	2.99E-05	2.49E-05	2.60E-05	2.28E-05
	BNB7	VOLUME	833141	840393	2.55	-	-	-	3.40	2.37	1.59E-05	8.52E-06	5.33E-06	4.18E-06	3.53E-06	5.51E-06	1.59E-05	4.07E-05	5.69E-05	4.31E-05	3.73E-05	3.73E-05	3.73E-05	3.61E-05	3.83E-05	3.82E-05	4.05E-05	4.84E-05	5.23E-05	3.90E-05	2.99E-05	2.49E-05	2.60E-05	2.28E-05
	BNB8	VOLUME	833137	840399	2.55	-	-	-	3.40	2.37	7.97E-06	4.26E-06	2.67E-06	2.09E-06	1.76E-06	2.75E-06	7.97E-06	2.03E-05	2.84E-05	2.16E-05	1.86E-05	1.86E-05	1.87E-05	1.81E-05	1.91E-05	1.91E-05	2.02E-05	2.42E-05	2.61E-05	1.95E-05	1.50E-05	1.24E-05	1.30E-05	1.14E-05
	BNB9	VOLUME	833132	840405	2.55	-	-	-	3.40	2.37	7.97E-06	4.26E-06	2.67E-06	2.09E-06	1.76E-06	2.75E-06	7.97E-06	2.03E-05	2.84E-05	2.16E-05	1.86E-05	1.86E-05	1.87E-05	1.81E-05	1.91E-05	1.91E-05	2.02E-05	2.42E-05	2.61E-05	1.95E-05	1.50E-05	1.24E-05	1.30E-05	1.14E-05
	BNB10	VOLUME	833128	840411	2.55	-	-	-	3.40	2.37	7.97E-06	4.26E-06	2.67E-06	2.09E-06	1.76E-06	2.75E-06	7.97E-06	2.03E-05	2.84E-05	2.16E-05	1.86E-05	1.86E-05	1.87E-05	1.81E-05	1.91E-05	1.91E-05	2.02E-05	2.42E-05	2.61E-05	1.95E-05	1.50E-05	1.24E-05	1.30E-05	1.14E-05
	BNB11	VOLUME	833123	840417	2.55	-	-	-	3.40	2.37	7.97E-06	4.26E-06	2.67E-06	2.09E-06	1.76E-06	2.75E-06	7.97E-06	2.03E-05	2.84E-05	2.16E-05	1.86E-05	1.86E-05	1.87E-05	1.81E-05	1.91E-05	1.91E-05	2.02E-05	2.42E-05	2.61E-05	1.95E-05	1.50E-05	1.24E-05	1.30E-05	1.14E-05
	BNB12	VOLUME	833119	840422	2.55	-	-	-	3.40	2.37	7.97E-06	4.26E-06	2.67E-06	2.09E-06	1.76E-06	2.75E-06	7.97E-06	2.03E-05	2.84E-05	2.16E-05	1.86E-05	1.86E-05	1.87E-05	1.81E-05	1.91E-05	1.91E-05	2.02E-05	2.42E-05	2.61E-05	1.95E-05	1.50E-05	1.24E-05	1.30E-05	1.14E-05
	BNB13	VOLUME	833115	840428	2.55	-	-	-	3.40	2.37	7.97E-06	4.26E-06	2.67E-06	2.09E-06	1.76E-06	2.75E-06	7.97E-06	2.03E-05	2.84E-05	2.16E-05	1.86E-05	1.86E-05	1.87E-05	1.81E-05	1.91E-05	1.91E-05	2.02E-05	2.42E-05	2.61E-05	1.95E-05	1.50E-05	1.24E-05	1.30E-05	1.14E-05
	BNB14	VOLUME	833110	840434	2.55	-	-	-	3.40	2.37	7.97E-06	4.26E-06	2.67E-06	2.09E-06	1.76E-06	2.75E-06	7.97E-06	2.03E-05	2.84E-05	2.16E-05	1.86E-05	1.86E-05	1.87E-05	1.81E-05	1.91E-05	1.91E-05	2.02E-05	2.42E-05	2.61E-05	1.95E-05	1.50E-05	1.24E-05	1.30E-05	1.14E-05

Note:

[1] Referenced from the approved EIA Study

Emission Inventory for Full Enclosure of Po Shek Wu Road (NOx) - Year 2029

Source	Source ID	Type	X	Y	Release Height	Exit Temperature	Exit velocity	Internal diameter	Lateral Dim. (Sy)	Vertical Dim. (Sz)	Hourly NOx Emission Rate (g/s)																							
			(m)	(m)	(m)	(K)	(m/s)	(m)	(m)	(m)	(m)	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22
95 Po Shek Wu Road (NB)	PNB1	VOLUME	830777	840231	2.55	-	-	-	3.40	2.37	7.47E-04	4.05E-04	2.36E-04	1.94E-04	1.66E-04	2.51E-04	7.65E-04	2.02E-03	2.61E-03	2.04E-03	1.77E-03	1.75E-03	1.75E-03	1.70E-03	1.81E-03	1.80E-03	1.91E-03	2.24E-03	2.43E-03	1.88E-03	1.40E-03	1.20E-03	1.21E-03	1.09E-03
	PNB2	VOLUME	830776	840242	2.55	-	-	-	3.40	2.37	7.47E-04	4.05E-04	2.36E-04	1.94E-04	1.66E-04	2.51E-04	7.65E-04	2.02E-03	2.61E-03	2.04E-03	1.77E-03	1.75E-03	1.75E-03	1.70E-03	1.81E-03	1.80E-03	1.91E-03	2.24E-03	2.43E-03	1.88E-03	1.40E-03	1.20E-03	1.21E-03	1.09E-03
	PNB3	VOLUME	830774	840253	2.55	-	-	-	3.40	2.37	7.47E-04	4.05E-04	2.36E-04	1.94E-04	1.66E-04	2.51E-04	7.65E-04	2.02E-03	2.61E-03	2.04E-03	1.77E-03	1.75E-03	1.75E-03	1.70E-03	1.81E-03	1.80E-03	1.91E-03	2.24E-03	2.43E-03	1.88E-03	1.40E-03	1.20E-03	1.21E-03	1.09E-03
	PNB4	VOLUME	830772	840264	2.55	-	-	-	3.40	2.37	7.47E-04	4.05E-04	2.36E-04	1.94E-04	1.66E-04	2.51E-04	7.65E-04	2.02E-03	2.61E-03	2.04E-03	1.77E-03	1.75E-03	1.75E-03	1.70E-03	1.81E-03	1.80E-03	1.91E-03	2.24E-03	2.43E-03	1.88E-03	1.40E-03	1.20E-03	1.21E-03	1.09E-03
	PNB5	VOLUME	830770	840275	2.55	-	-	-	3.40	2.37	7.47E-04	4.05E-04	2.36E-04	1.94E-04	1.66E-04	2.51E-04	7.65E-04	2.02E-03	2.61E-03	2.04E-03	1.77E-03	1.75E-03	1.75E-03	1.70E-03	1.81E-03	1.80E-03	1.91E-03	2.24E-03	2.43E-03	1.88E-03	1.40E-03	1.20E-03	1.21E-03	1.09E-03
	PNB6	VOLUME	830768	840286	2.55	-	-	-	3.40	2.37	3.73E-04	2.03E-04	1.18E-04	9.68E-05	8.31E-05	1.26E-04	3.82E-04	1.01E-03	1.31E-03	1.02E-03	8.84E-04	8.77E-04	8.73E-04	8.50E-04	9.05E-04	9.02E-04	9.57E-04	1.12E-03	1.21E-03	9.38E-04	7.01E-04	5.98E-04	6.07E-04	5.44E-04
	PNB7	VOLUME	830766	840296	2.55	-	-	-	3.40	2.37	3.73E-04	2.03E-04	1.18E-04	9.68E-05	8.31E-05	1.26E-04	3.82E-04	1.01E-03	1.31E-03	1.02E-03	8.84E-04	8.77E-04	8.73E-04	8.50E-04	9.05E-04	9.02E-04	9.57E-04	1.12E-03	1.21E-03	9.38E-04	7.01E-04	5.98E-04	6.07E-04	5.44E-04
	PNB8	VOLUME	830765	840307	2.55	-	-	-	3.40	2.37	3.73E-04	2.03E-04	1.18E-04	9.68E-05	8.31E-05	1.26E-04	3.82E-04	1.01E-03	1.31E-03	1.02E-03	8.84E-04	8.77E-04	8.73E-04	8.50E-04	9.05E-04	9.02E-04	9.57E-04	1.12E-03	1.21E-03	9.38E-04	7.01E-04	5.98E-04	6.07E-04	5.44E-04
	PNB9	VOLUME	830763	840318	2.55	-	-	-	3.40	2.37	3.73E-04	2.03E-04	1.18E-04	9.68E-05	8.31E-05	1.26E-04	3.82E-04	1.01E-03	1.31E-03	1.02E-03	8.84E-04	8.77E-04	8.73E-04	8.50E-04	9.05E-04	9.02E-04	9.57E-04	1.12E-03	1.21E-03	9.38E-04	7.01E-04	5.98E-04	6.07E-04	5.44E-04
	PNB10	VOLUME	830761	840329	2.55	-	-	-	3.40	2.37	3.73E-04	2.03E-04	1.18E-04	9.68E-05	8.31E-05	1.26E-04	3.82E-04	1.01E-03	1.31E-03	1.02E-03	8.84E-04	8.77E-04	8.73E-04	8.50E-04	9.05E-04	9.02E-04	9.57E-04	1.12E-03	1.21E-03	9.38E-04	7.01E-04	5.98E-04	6.07E-04	5.44E-04
96 Po Shek Wu Road (SB)	PSB1	VOLUME	830815	840100	2.55	-	-	-	3.40	2.37	4.60E-04	2.49E-04	1.47E-04	1.18E-04	1.04E-04	1.54E-04	4.70E-04	1.24E-03	1.62E-03	1.26E-03	1.10E-03	1.09E-03	1.08E-03	1.05E-03	1.12E-03	1.12E-03	1.18E-03	1.39E-03	1.50E-03	1.16E-03	8.65E-04	7.35E-04	7.47E-04	6.72E-04
	PSB2	VOLUME	830817	840092	2.55	-	-	-	3.40	2.37	4.60E-04	2.49E-04	1.47E-04	1.18E-04	1.04E-04	1.54E-04	4.70E-04	1.24E-03	1.62E-03	1.26E-03	1.10E-03	1.09E-03	1.08E-03	1.05E-03	1.12E-03	1.12E-03	1.18E-03	1.39E-03	1.50E-03	1.16E-03	8.65E-04	7.35E-04	7.47E-04	6.72E-04
	PSB3	VOLUME	830818	840085	2.55	-	-	-	3.40	2.37	4.60E-04	2.49E-04	1.47E-04	1.18E-04	1.04E-04	1.54E-04	4.70E-04	1.24E-03	1.62E-03	1.26E-03	1.10E-03	1.09E-03	1.08E-03	1.05E-03	1.12E-03	1.12E-03	1.18E-03	1.39E-03	1.50E-03	1.16E-03	8.65E-04	7.35E-04	7.47E-04	6.72E-04
	PSB4	VOLUME	830820	840078	2.55	-	-	-	3.40	2.37	4.60E-04	2.49E-04	1.47E-04	1.18E-04	1.04E-04	1.54E-04	4.70E-04	1.24E-03	1.62E-03	1.26E-03	1.10E-03	1.09E-03	1.08E-03	1.05E-03	1.12E-03	1.12E-03	1.18E-03	1.39E-03	1.50E-03	1.16E-03	8.65E-04	7.35E-04	7.47E-04	6.72E-04
	PSB5	VOLUME	830821	840071	2.55	-	-	-	3.40	2.37	4.60E-04	2.49E-04	1.47E-04	1.18E-04	1.04E-04	1.54E-04	4.70E-04	1.24E-03	1.62E-03	1.26E-03	1.10E-03	1.09E-03	1.08E-03	1.05E-03	1.12E-03	1.12E-03	1.18E-03	1.39E-03	1.50E-03	1.16E-03	8.65E-04	7.35E-04	7.47E-04	6.72E-04
	PSB6	VOLUME	830823	840064	2.55	-	-	-	3.40	2.37	4.60E-04	2.49E-04	1.47E-04	1.18E-04	1.04E-04	1.54E-04	4.70E-04	1.24E-03	1.62E-03	1.26E-03	1.10E-03	1.09E-03	1.08E-03	1.05E-03	1.12E-03	1.12E-03	1.18E-03	1.39E-03	1.50E-03	1.16E-03	8.65E-04	7.35E-04	7.47E-04	6.72E-04
	PSB7	VOLUME	830824	840057	2.55	-	-	-	3.40	2.37	4.60E-04	2.49E-04	1.47E-04	1.18E-04	1.04E-04	1.54E-04	4.70E-04	1.24E-03	1.62E-03	1.26E-03	1.10E-03	1.09E-03	1.08E-03	1.05E-03	1.12E-03	1.12E-03	1.18E-03	1.39E-03	1.50E-03	1.16E-03	8.65E-04	7.35E-04	7.47E-04	6.72E-04
	PSB8	VOLUME	830826	840050	2.55	-	-	-	3.40	2.37	2.30E-04	1.25E-04	7.37E-05	5.89E-05	5.21E-05	7.70E-05	2.35E-04	6.22E-04	8.08E-04	6.32E-04	5.48E-04	5.43E-04	5.41E-04	5.26E-04	5.59E-04	5.58E-04	5.92E-04	6.93E-04	7.51E-04	5.80E-04	4.32E-04	3.67E-04	3.73E-04	3.36E-04
	PSB9	VOLUME	830828	840043	2.55	-	-	-	3.40	2.37	2.30E-04	1.25E-04	7.37E-05	5.89E-05	5.21E-05	7.70E-05	2.35E-04	6.22E-04	8.08E-04	6.32E-04	5.48E-04	5.43E-04	5.41E-04	5.26E-04	5.59E-04	5.58E-04	5.92E-04	6.93E-04	7.51E-04	5.80E-04	4.32E-04	3.67E-04	3.73E-04	3.36E-04
	PSB10	VOLUME	830829	840035	2.55	-	-	-	3.40	2.37	2.30E-04	1.25E-04	7.37E-05	5.89E-05	5.21E-05	7.70E-05	2.35E-04	6.22E-04	8.08E-04	6.32E-04	5.48E-04	5.43E-04	5.41E-04	5.26E-04	5.59E-04	5.58E-04	5.92E-04	6.93E-04	7.51E-04	5.80E-04	4.32E-04	3.67E-04	3.73E-04	3.36E-04
	PSB11	VOLUME	830831	840028	2.55	-	-	-	3.40	2.37	2.30E-04	1.25E-04	7.37E-05	5.89E-05	5.21E-05	7.70E-05	2.35E-04	6.22E-04	8.08E-04	6.32E-04	5.48E-04	5.43E-04	5.41E-04	5.26E-04	5.59E-04	5.58E-04	5.92E-04	6.93E-04	7.51E-04	5.80E-04	4.32E-04	3.67E-04	3.73E-04	3.36E-04
	PSB12	VOLUME	830832	840021	2.55	-	-	-	3.40	2.37	2.30E-04	1.25E-04	7.37E-05	5.89E-05	5.21E-05	7.70E-05	2.35E-04	6.22E-04	8.08E-04	6.32E-04	5.48E-04	5.43E-04	5.41E-04	5.26E-04	5.59E-04	5.58E-04	5.92E-04	6.93E-04	7.51E-04	5.80E-04	4.32E-04	3.67E-04	3.73E-04	3.36E-04
	PSB13	VOLUME	830834	840014	2.55	-	-	-	3.40	2.37	2.30E-04	1.25E-04	7.37E-05	5.89E-05	5.21E-05	7.70E-05	2.35E-04	6.22E-04	8.08E-04	6.32E-04	5.48E-04	5.43E-04	5.41E-04	5.26E-04	5.59E-04	5.58E-04	5.92E-04	6.93E-04	7.51E-04	5.80E-04	4.32E-04	3.67E-04	3.73E-04	3.36E-04
	PSB14	VOLUME	830835	840007	2.55	-	-	-	3.40	2.37	2.30E-04	1.25E-04	7.37E-05	5.89E-05	5.21E-05	7.70E-05	2.35E-04	6.22E-04	8.08E-04	6.32E-04	5.48E-04	5.43E-04	5.41E-04	5.26E-04	5.59E-04	5.58E-04	5.92E-04	6.93E-04	7.51E-04	5.80E-04	4.32E-04	3.67E-04	3.73E-04	3.36E-04

Note:

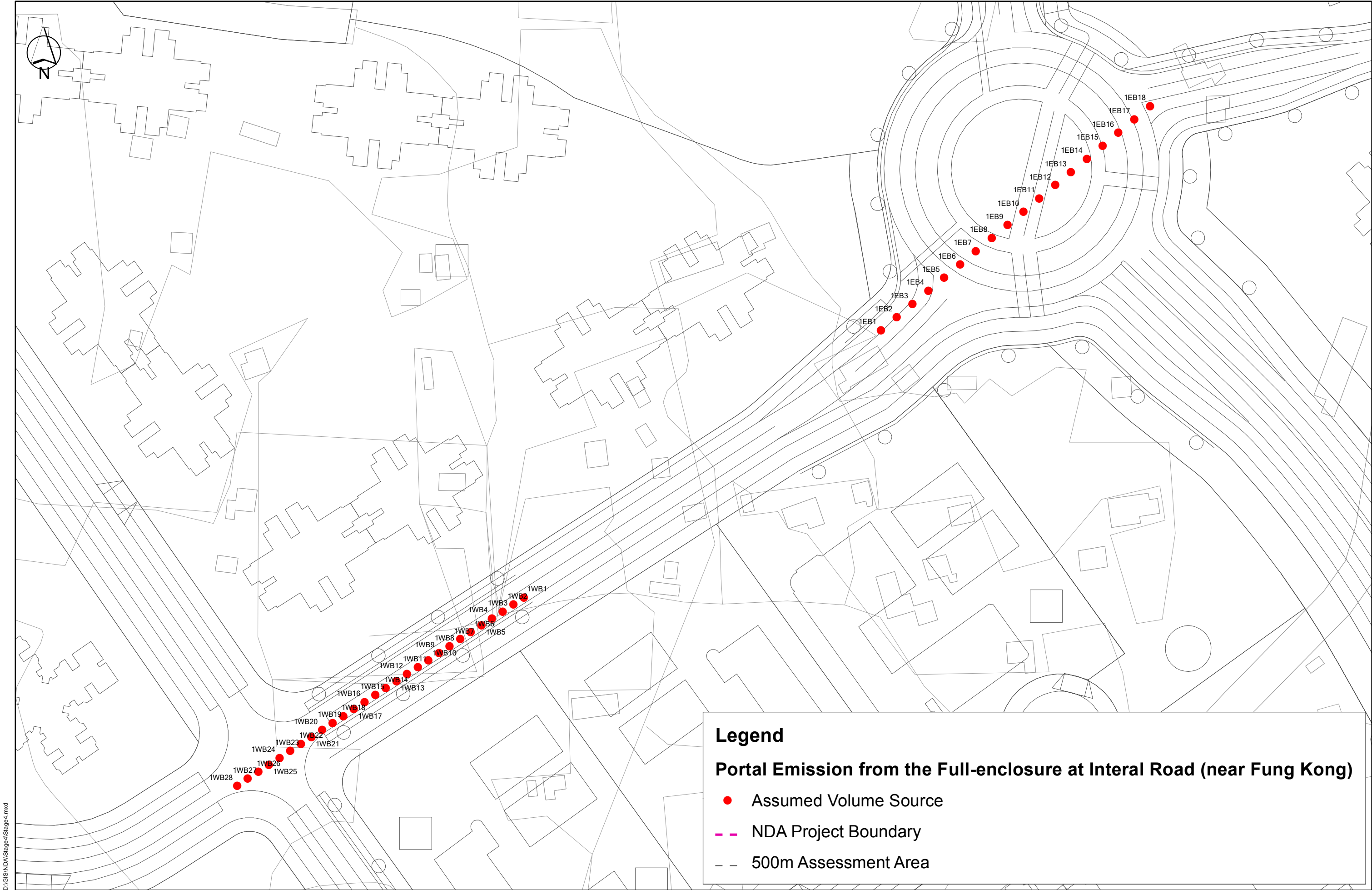
[1] Referenced from the approved EIA Study "Kai Tak Development" (AEIAR-130/2009) for the design and dimensions of the ventilation building

Emission Inventory for Full Enclosure of Po Shek Wu Road (RSP) - Year 2029

Source	Source ID	Type	X	Y	Release Height	Exit Temp	Exit velocity	Internal diameter	Lateral Dim. (Sy)	Vertical Dim. (Sz)	Hourly RSP Emission Rate (g/s)																							
			(m)	(m)	(m)	(K)	(m/s)	(m)	(m)	(m)	Hr 00	Hr 01	Hr 02	Hr 03	Hr 04	Hr 05	Hr 06	Hr 07	Hr 08	Hr 09	Hr 10	Hr 11	Hr 12	Hr 13	Hr 14	Hr 15	Hr 16	Hr 17	Hr 18	Hr 19	Hr 20	Hr 21	Hr 22	Hr 23
95 Po Shek Wu Road (NB)	PNB1	VOLUME	830777	840231	2.55	-	-	-	3.40	2.37	3.87E-05	2.06E-05	1.20E-05	9.61E-06	8.37E-06	1.27E-05	3.89E-05	1.04E-04	1.37E-04	1.08E-04	9.44E-05	9.44E-05	9.46E-05	9.24E-05	9.85E-05	9.79E-05	1.04E-04	1.20E-04	1.29E-04	9.91E-05	7.33E-05	6.24E-05	6.34E-05	5.66E-05
	PNB2	VOLUME	830776	840242	2.55	-	-	-	3.40	2.37	3.87E-05	2.06E-05	1.20E-05	9.61E-06	8.37E-06	1.27E-05	3.89E-05	1.04E-04	1.37E-04	1.08E-04	9.44E-05	9.44E-05	9.46E-05	9.24E-05	9.85E-05	9.79E-05	1.04E-04	1.20E-04	1.29E-04	9.91E-05	7.33E-05	6.24E-05	6.34E-05	5.66E-05
	PNB3	VOLUME	830774	840253	2.55	-	-	-	3.40	2.37	3.87E-05	2.06E-05	1.20E-05	9.61E-06	8.37E-06	1.27E-05	3.89E-05	1.04E-04	1.37E-04	1.08E-04	9.44E-05	9.44E-05	9.46E-05	9.24E-05	9.85E-05	9.79E-05	1.04E-04	1.20E-04	1.29E-04	9.91E-05	7.33E-05	6.24E-05	6.34E-05	5.66E-05
	PNB4	VOLUME	830772	840264	2.55	-	-	-	3.40	2.37	3.87E-05	2.06E-05	1.20E-05	9.61E-06	8.37E-06	1.27E-05	3.89E-05	1.04E-04	1.37E-04	1.08E-04	9.44E-05	9.44E-05	9.46E-05	9.24E-05	9.85E-05	9.79E-05	1.04E-04	1.20E-04	1.29E-04	9.91E-05	7.33E-05	6.24E-05	6.34E-05	5.66E-05
	PNB5	VOLUME	830770	840275	2.55	-	-	-	3.40	2.37	3.87E-05	2.06E-05	1.20E-05	9.61E-06	8.37E-06	1.27E-05	3.89E-05	1.04E-04	1.37E-04	1.08E-04	9.44E-05	9.44E-05	9.46E-05	9.24E-05	9.85E-05	9.79E-05	1.04E-04	1.20E-04	1.29E-04	9.91E-05	7.33E-05	6.24E-05	6.34E-05	5.66E-05
	PNB6	VOLUME	830768	840286	2.55	-	-	-	3.40	2.37	1.94E-05	1.03E-05	6.02E-06	4.80E-06	4.18E-06	6.35E-06	1.94E-05	5.20E-05	6.84E-05	5.39E-05	4.72E-05	4.72E-05	4.73E-05	4.62E-05	4.92E-05	4.90E-05	5.18E-05	5.98E-05	6.44E-05	4.96E-05	3.66E-05	3.12E-05	3.17E-05	2.83E-05
	PNB7	VOLUME	830766	840296	2.55	-	-	-	3.40	2.37	1.94E-05	1.03E-05	6.02E-06	4.80E-06	4.18E-06	6.35E-06	1.94E-05	5.20E-05	6.84E-05	5.39E-05	4.72E-05	4.72E-05	4.73E-05	4.62E-05	4.92E-05	4.90E-05	5.18E-05	5.98E-05	6.44E-05	4.96E-05	3.66E-05	3.12E-05	3.17E-05	2.83E-05
	PNB8	VOLUME	830765	840307	2.55	-	-	-	3.40	2.37	1.94E-05	1.03E-05	6.02E-06	4.80E-06	4.18E-06	6.35E-06	1.94E-05	5.20E-05	6.84E-05	5.39E-05	4.72E-05	4.72E-05	4.73E-05	4.62E-05	4.92E-05	4.90E-05	5.18E-05	5.98E-05	6.44E-05	4.96E-05	3.66E-05	3.12E-05	3.17E-05	2.83E-05
	PNB9	VOLUME	830763	840318	2.55	-	-	-	3.40	2.37	1.94E-05	1.03E-05	6.02E-06	4.80E-06	4.18E-06	6.35E-06	1.94E-05	5.20E-05	6.84E-05	5.39E-05	4.72E-05	4.72E-05	4.73E-05	4.62E-05	4.92E-05	4.90E-05	5.18E-05	5.98E-05	6.44E-05	4.96E-05	3.66E-05	3.12E-05	3.17E-05	2.83E-05
	PNB10	VOLUME	830761	840329	2.55	-	-	-	3.40	2.37	1.94E-05	1.03E-05	6.02E-06	4.80E-06	4.18E-06	6.35E-06	1.94E-05	5.20E-05	6.84E-05	5.39E-05	4.72E-05	4.72E-05	4.73E-05	4.62E-05	4.92E-05	4.90E-05	5.18E-05	5.98E-05	6.44E-05	4.96E-05	3.66E-05	3.12E-05	3.17E-05	2.83E-05
96 Po Shek Wu Road (SB)	PSB1	VOLUME	830815	840100	2.55	-	-	-	3.40	2.37	2.51E-05	1.33E-05	8.01E-06	6.19E-06	5.55E-06	8.20E-06	2.52E-05	6.79E-05	8.90E-05	7.04E-05	6.17E-05	6.17E-05	6.18E-05	6.04E-05	6.40E-05	6.38E-05	6.73E-05	7.78E-05	8.37E-05	6.46E-05	4.74E-05	4.01E-05	4.09E-05	3.66E-05
	PSB2	VOLUME	830817	840092	2.55	-	-	-	3.40	2.37	2.51E-05	1.33E-05	8.01E-06	6.19E-06	5.55E-06	8.20E-06	2.52E-05	6.79E-05	8.90E-05	7.04E-05	6.17E-05	6.17E-05	6.18E-05	6.04E-05	6.40E-05	6.38E-05	6.73E-05	7.78E-05	8.37E-05	6.46E-05	4.74E-05	4.01E-05	4.09E-05	3.66E-05
	PSB3	VOLUME	830816	840085	2.55	-	-	-	3.40	2.37	2.51E-05	1.33E-05	8.01E-06	6.19E-06	5.55E-06	8.20E-06	2.52E-05	6.79E-05	8.90E-05	7.04E-05	6.17E-05	6.17E-05	6.18E-05	6.04E-05	6.40E-05	6.38E-05	6.73E-05	7.78E-05	8.37E-05	6.46E-05	4.74E-05	4.01E-05	4.09E-05	3.66E-05
	PSB4	VOLUME	830820	840078	2.55	-	-	-	3.40	2.37	2.51E-05	1.33E-05	8.01E-06	6.19E-06	5.55E-06	8.20E-06	2.52E-05	6.79E-05	8.90E-05	7.04E-05	6.17E-05	6.17E-05	6.18E-05	6.04E-05	6.40E-05	6.38E-05	6.73E-05	7.78E-05	8.37E-05	6.46E-05	4.74E-05	4.01E-05	4.09E-05	3.66E-05
	PSB5	VOLUME	830821	840071	2.55	-	-	-	3.40	2.37	2.51E-05	1.33E-05	8.01E-06	6.19E-06	5.55E-06	8.20E-06	2.52E-05	6.79E-05	8.90E-05	7.04E-05	6.17E-05	6.17E-05	6.18E-05	6.04E-05	6.40E-05	6.38E-05	6.73E-05	7.78E-05	8.37E-05	6.46E-05	4.74E-05	4.01E-05	4.09E-05	3.66E-05
	PSB6	VOLUME	830823	840064	2.55	-	-	-	3.40	2.37	2.51E-05	1.33E-05	8.01E-06	6.19E-06	5.55E-06	8.20E-06	2.52E-05	6.79E-05	8.90E-05	7.04E-05	6.17E-05	6.17E-05	6.18E-05	6.04E-05	6.40E-05	6.38E-05	6.73E-05	7.78E-05	8.37E-05	6.46E-05	4.74E-05	4.01E-05	4.09E-05	3.66E-05
	PSB7	VOLUME	830824	840057	2.55	-	-	-	3.40	2.37	2.51E-05	1.33E-05	8.01E-06	6.19E-06	5.55E-06	8.20E-06	2.52E-05	6.79E-05	8.90E-05	7.04E-05	6.17E-05	6.17E-05	6.18E-05	6.04E-05	6.40E-05	6.38E-05	6.73E-05	7.78E-05	8.37E-05	6.46E-05	4.74E-05	4.01E-05	4.09E-05	3.66E-05
	PSB8	VOLUME	830826	840050	2.55	-	-	-	3.40	2.37	1.26E-05	6.67E-06	4.01E-06	3.09E-06	2.78E-06	4.10E-06	1.26E-05	3.39E-05	4.45E-05	3.52E-05	3.09E-05	3.08E-05	3.09E-05	3.02E-05	3.20E-05	3.19E-05	3.37E-05	3.89E-05	4.19E-05	3.23E-05	2.37E-05	2.01E-05	2.05E-05	1.83E-05
	PSB9	VOLUME	830828	840043	2.55	-	-	-	3.40	2.37	1.26E-05	6.67E-06	4.01E-06	3.09E-06	2.78E-06	4.10E-06	1.26E-05	3.39E-05	4.45E-05	3.52E-05	3.09E-05	3.08E-05	3.09E-05	3.02E-05	3.20E-05	3.19E-05	3.37E-05	3.89E-05	4.19E-05	3.23E-05	2.37E-05	2.01E-05	2.05E-05	1.83E-05
	PSB10	VOLUME	830829	840035	2.55	-	-	-	3.40	2.37	1.26E-05	6.67E-06	4.01E-06	3.09E-06	2.78E-06	4.10E-06	1.26E-05	3.39E-05	4.45E-05	3.52E-05	3.09E-05	3.08E-05	3.09E-05	3.02E-05	3.20E-05	3.19E-05	3.37E-05	3.89E-05	4.19E-05	3.23E-05	2.37E-05	2.01E-05	2.05E-05	1.83E-05
	PSB11	VOLUME	830831	840028	2.55	-	-	-	3.40	2.37	1.26E-05	6.67E-06	4.01E-06	3.09E-06	2.78E-06	4.10E-06	1.26E-05	3.39E-05	4.45E-05	3.52E-05	3.09E-05	3.08E-05	3.09E-05	3.02E-05	3.20E-05	3.19E-05	3.37E-05	3.89E-05	4.19E-05	3.23E-05	2.37E-05	2.01E-05	2.05E-05	1.83E-05
	PSB12	VOLUME	830832	840021	2.55	-	-	-	3.40	2.37	1.26E-05	6.67E-06	4.01E-06	3.09E-06	2.78E-06	4.10E-06	1.26E-05	3.39E-05	4.45E-05	3.52E-05	3.09E-05	3.08E-05	3.09E-05	3.02E-05	3.20E-05	3.19E-05	3.37E-05	3.89E-05	4.19E-05	3.23E-05	2.37E-05	2.01E-05	2.05E-05	1.83E-05
	PSB13	VOLUME	830834	840014	2.55	-	-	-	3.40	2.37	1.26E-05	6.67E-06	4.01E-06	3.09E-06	2.78E-06	4.10E-06	1.26E-05	3.39E-05	4.45E-05	3.52E-05	3.09E-05	3.08E-05	3.09E-05	3.02E-05	3.20E-05	3.19E-05	3.37E-05	3.89E-05	4.19E-05	3.23E-05	2.37E-05	2.01E-05	2.05E-05	1.83E-05
	PSB14	VOLUME	830835	840007	2.55	-	-	-	3.40	2.37	1.26E-05	6.67E-06	4.01E-06	3.09E-06	2.78E-06	4.10E-06	1.26E-05	3.39E-05	4.45E-05	3.52E-05	3.09E-05	3.08E-05	3.09E-05	3.02E-05	3.20E-05	3.19E-05	3.37E-05	3.89E-05	4.19E-05	3.23E-05	2.37E-05	2.01E-05	2.05E-05	1.83E-05

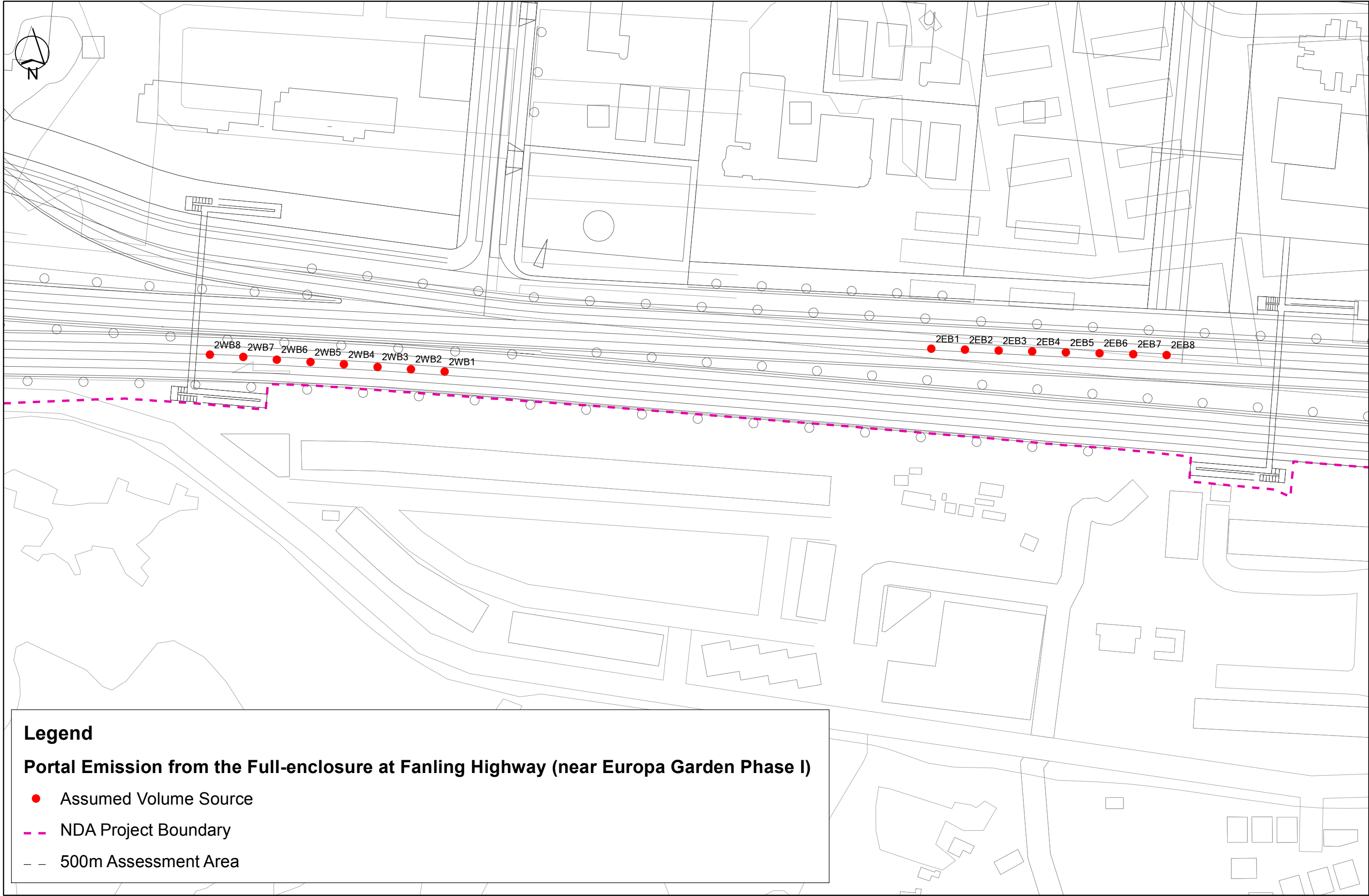
Note:

[1] Referenced from the approved EIA Study "Kai Tak Development" (AEIAR-130/2009) for the design and dimensions of the ventilation building






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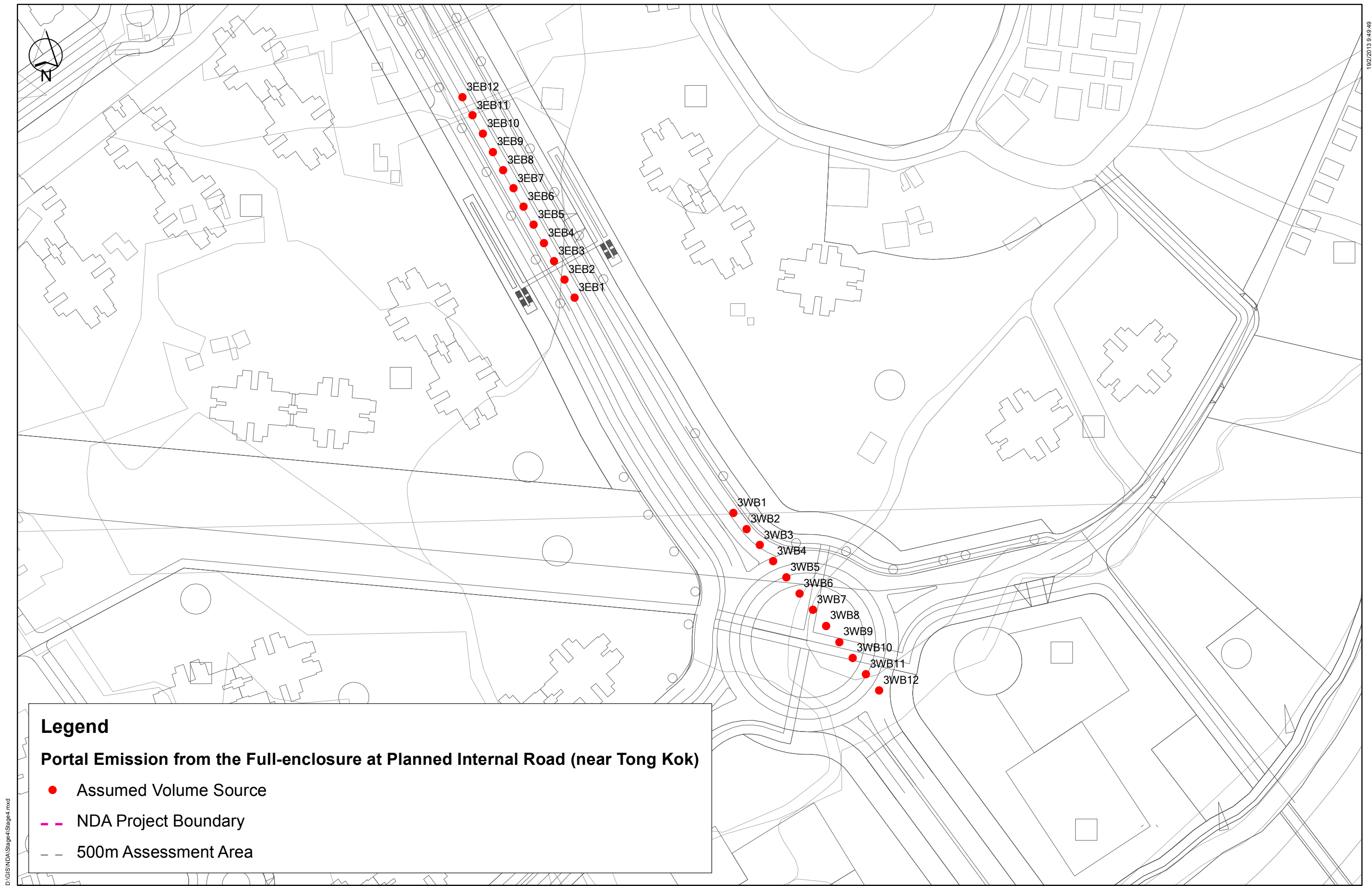


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 <div>土木工程拓展署 CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT</div>	 <div>規劃署 PLANNING DEPARTMENT</div>		Job Title Agreement No. CE 61/007 (CE) North East New Territories New Development Areas Planning and Engineering Study – Investigation	Drawing Title Volume Soure ID for Portal Emission from the Full-enclosure at Fanling Highway (near Europa Garden Phase I)			Drawn SC	Date 01/13	Drawing No  Appendix 3.5b
							Checked KL	Approved ST	
					Rev	DESCRIPTION	Date	Scale 1:1,500 ON A3	





**Legend**




● Assumed Volume Source

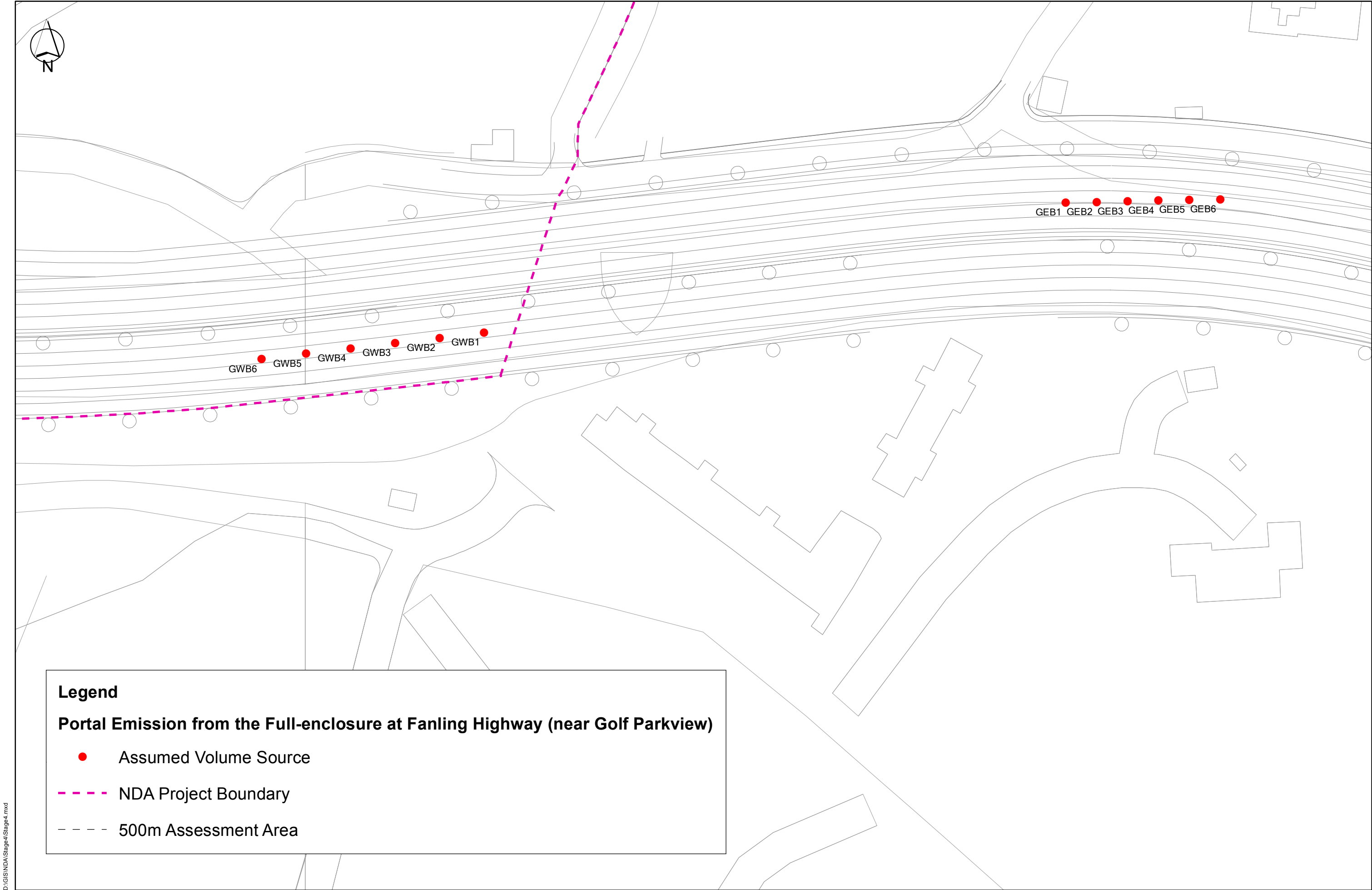
--- NDA Project Boundary

--- 500m Assessment Area

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 <div>土木工程拓展署 CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT</div>	 <div>規劃署 PLANNING DEPARTMENT</div>		Job Title Agreement No. CE 61/007 (CE) North East New Territories New Development Areas Planning and Engineering Study – Investigation	Drawing Title Volume Soure ID for Portal Emission from the Full-enclosure at Planned Internal Road near Tong Kok			Drawn SC	Date 01/13	Drawing No  Appendix 3.5c
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**Legend**




● Assumed Volume Source

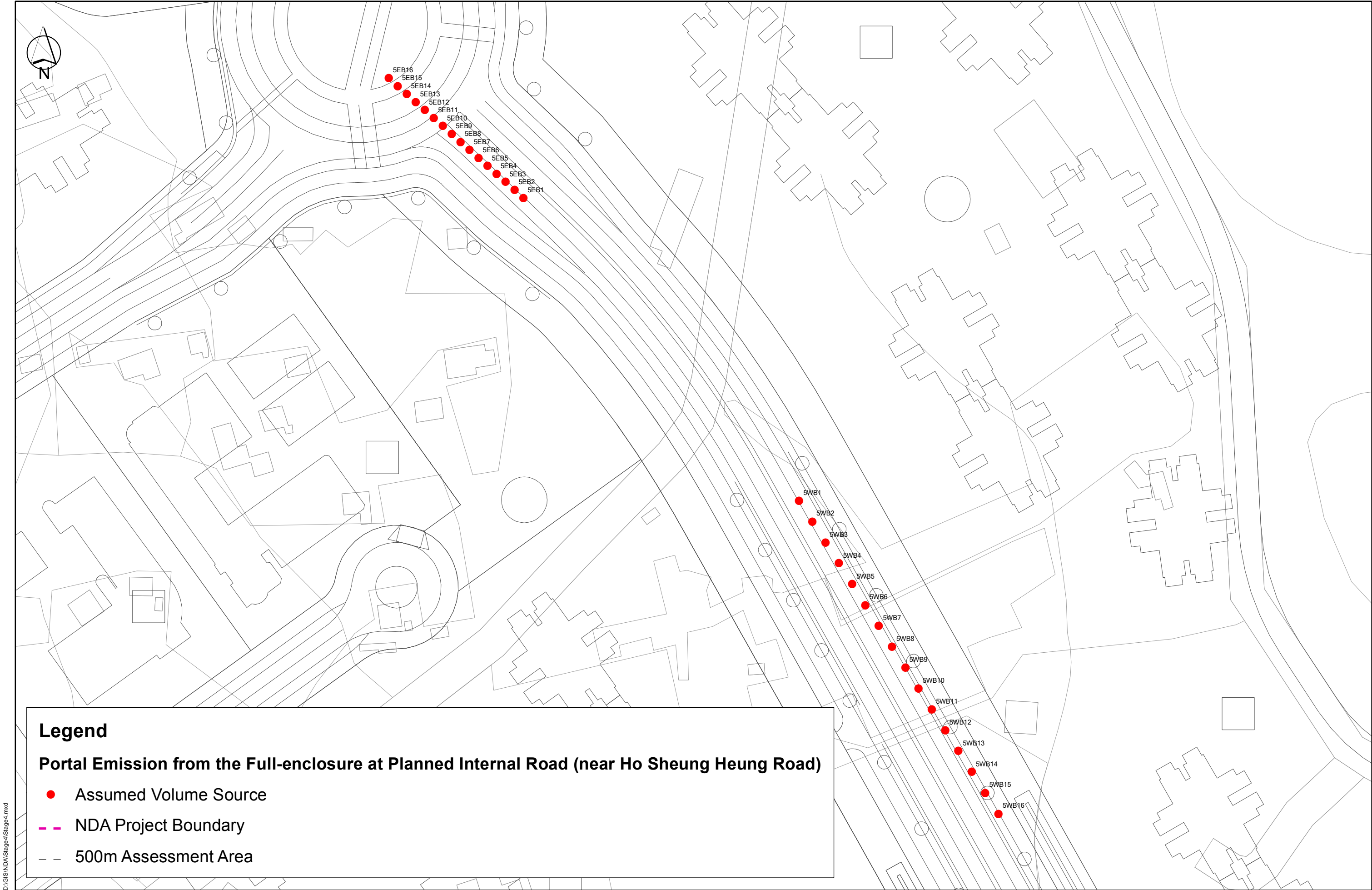
--- NDA Project Boundary

--- 500m Assessment Area

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 <div>土木工程拓展署 CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT</div>	 <div>規劃署 PLANNING DEPARTMENT</div>		Job Title Agreement No. CE 61/007 (CE) North East New Territories New Development Areas Planning and Engineering Study – Investigation	Drawing Title Volume Soure ID for Portal Emission from the Full-enclosure at Fanling Highway (near Golf Parkview)		Drawn SC	Date 01/13	Drawing No  Appendix 3.5d
						Checked KL	Approved ST	
					Rev	1:1,000	ON A3	
					Rev	1:1,000	ON A3	

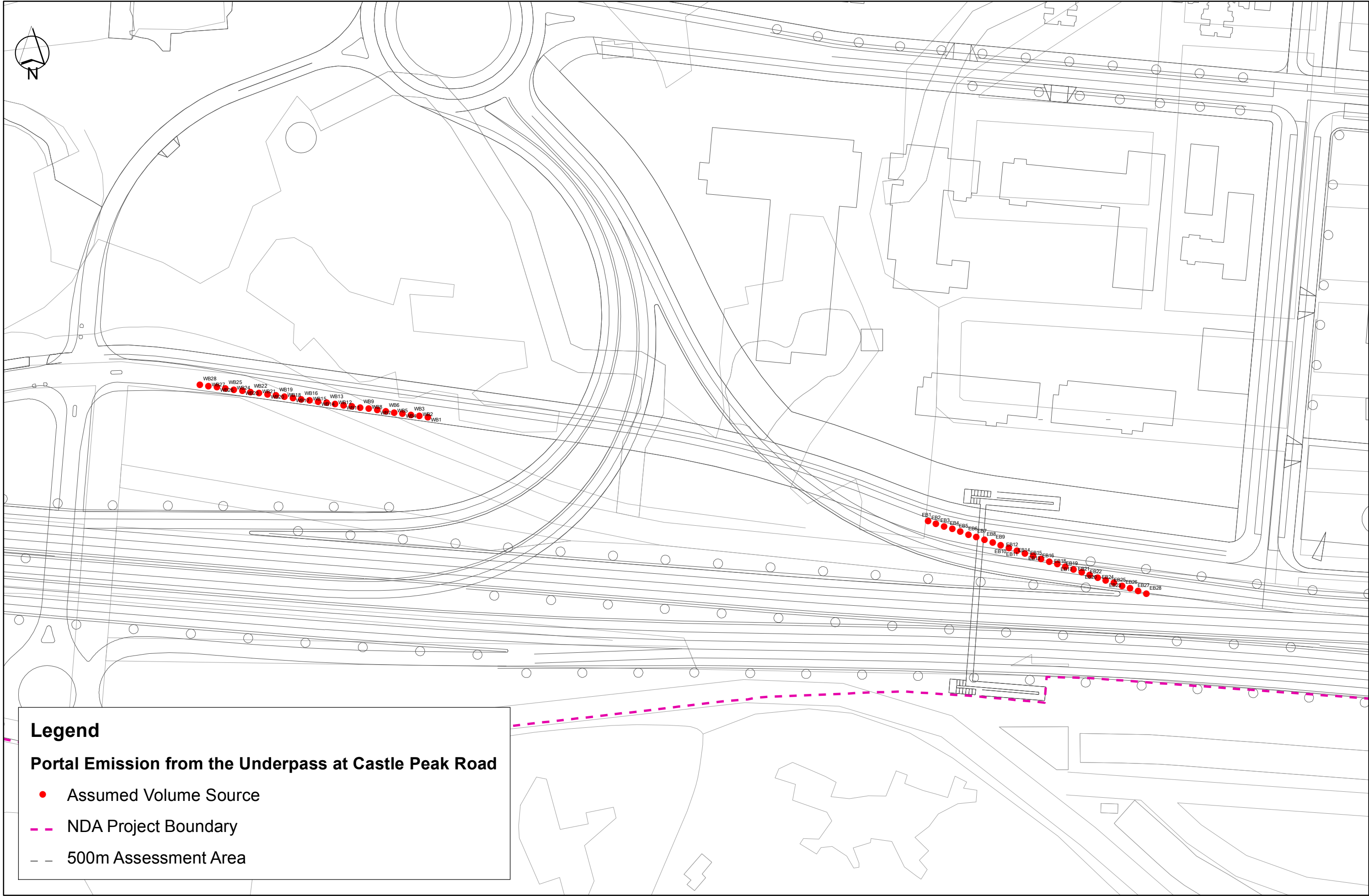


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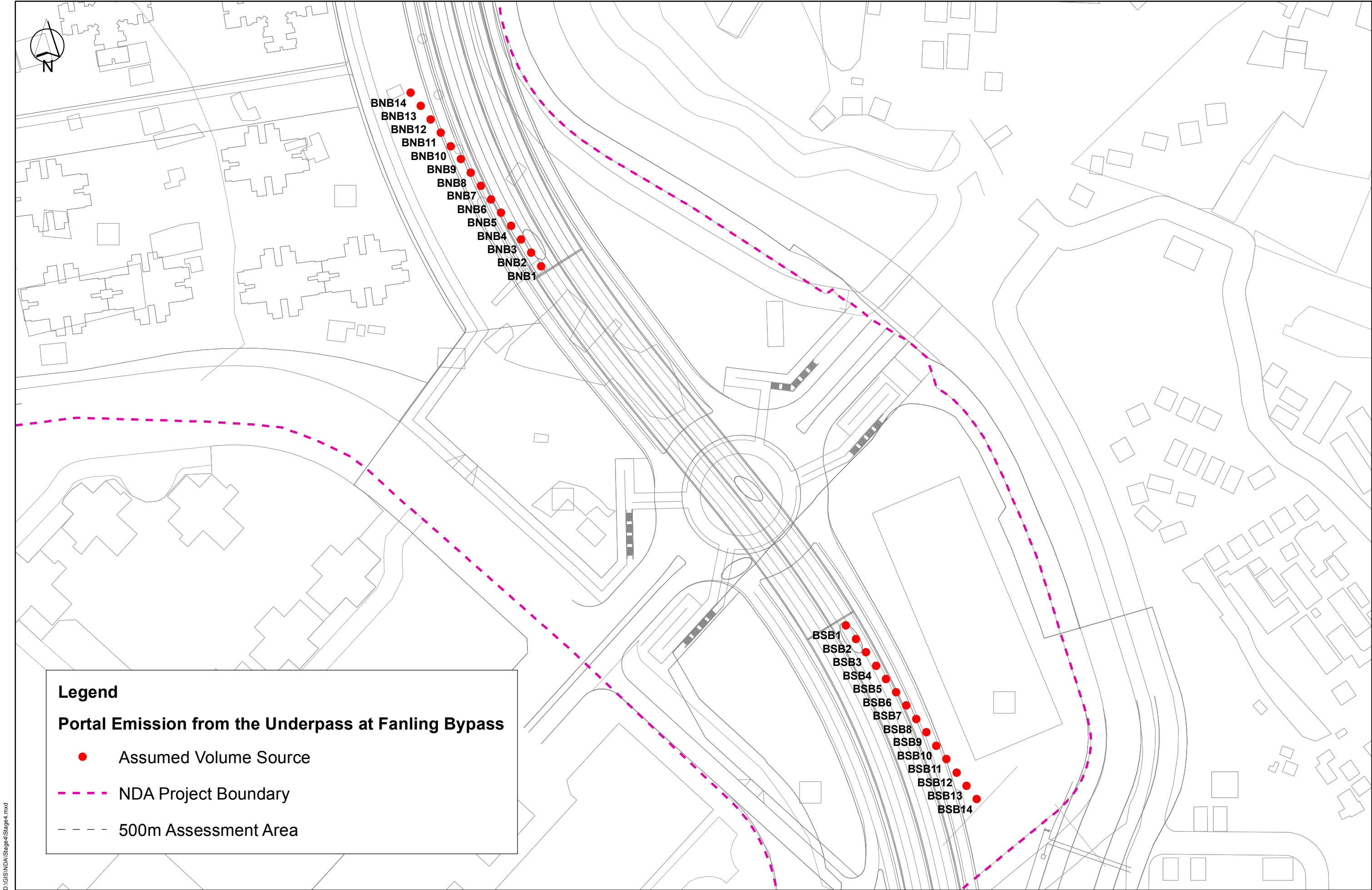
 <div>土木工程拓展署 CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT</div>	 <div>規劃署 PLANNING DEPARTMENT</div>		Job Title	Drawing Title				Drawn	Date	Drawing No  Appendix 3.5e
			Agreement No. CE 61/007 (CE) North East New Territories New Development Areas Planning and Engineering Study – Investigation	Volume Soure ID for Portal Emission from the Full-enclosure at Planned Internal Road (near Ho Sheung Heung Rd)				SC	01/13	
								Checked	Approved	
								KL	ST	
			Rev	Description	01/13 Date	Scale	1:1,000 ON A3	Rev.		
					FIRST ISSUE					





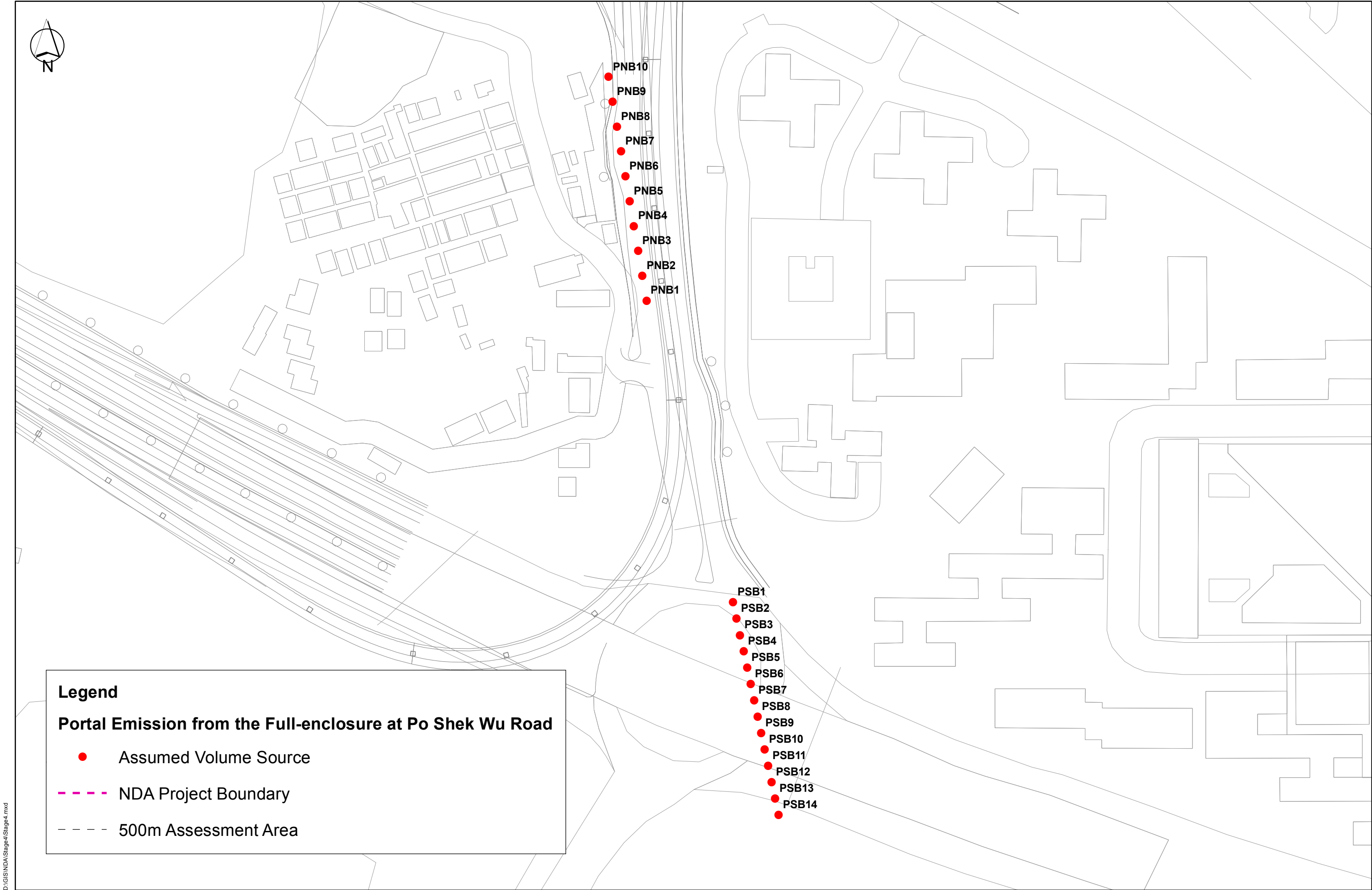
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