

Appendix 3-13 Comparison of Cumulative Impact Result of NO₂ Annual Average between "Without Project" and "With Project" scenarios at 1.5m, 5m and 10m in Year 2021

Result Table for Grid [25, 30]:

PATH Grid	ASR ID	ASR Descriptions	X	Y	Z (m)	Impact Testing for Annual NO ₂ (µg/m ³) due to the Project						
						With Project Annual Average (a)	Met AQO (Y/N)?	Without Project Annual Average (b)	Met AQO (Y/N)?	Difference (a) - (b)	% Difference	Beneficial to the Project (Y/N)?
25_30	A017	Lai King Estate Ming King House	831030	823438	1.5	<u>45.436</u>	N	<u>45.468</u>	N	-0.033	-0.072%	Y
25_30	A018	Lai King Estate Yat King House	831100	823436	1.5	<u>46.225</u>	N	<u>46.259</u>	N	-0.034	-0.074%	Y
25_30	A019	HKEAA Lai King Assessment Centre	831031	823406	1.5	<u>44.773</u>	N	<u>44.802</u>	N	-0.029	-0.064%	Y
25_30	A020	Lai King Restaurant Playground	831039	823365	1.5	<u>43.821</u>	N	<u>43.842</u>	N	-0.021	-0.048%	Y
25_30	A021	Lai King Restaurant	831016	823355	1.5	<u>43.580</u>	N	<u>43.604</u>	N	-0.024	-0.056%	Y
25_30	A023	Yuet Lai Court - Lai Hung House (Block D)	831143	823291	1.5	<u>42.213</u>	N	<u>42.217</u>	N	-0.004	-0.009%	Y
25_30	A024	Yuet Lai Court - Lai Wah House (Block B)	831146	823206	1.5	<u>41.713</u>	N	<u>41.717</u>	N	-0.004	-0.009%	Y
25_30	A025	Lai King Estate - Yeung King House	831033	823143	1.5	<u>43.946</u>	N	<u>43.959</u>	N	-0.013	-0.029%	Y
25_30	A026	Lai King Estate - On King House	831007	823098	1.5	<u>43.324</u>	N	<u>43.338</u>	N	-0.014	-0.033%	Y
25_30	A027	Lai King Estate - Flatted Factories	830997	823049	1.5	<u>41.902</u>	N	<u>41.914</u>	N	-0.012	-0.028%	Y
25_30	A028	China Holiness College	831002	822964	1.5	<u>40.651</u>	N	<u>40.659</u>	N	-0.008	-0.020%	Y
25_30	A029	OUHK CITA Learning Centre	831103	823086	1.5	<u>43.356</u>	N	<u>43.362</u>	N	-0.005	-0.012%	Y
25_30	A030	Lai King Community Hall	831112	823015	1.5	<u>42.159</u>	N	<u>42.163</u>	N	-0.004	-0.010%	Y
25_30	A031	Asbury Methodist Primary School	831132	822963	1.5	<u>41.592</u>	N	<u>41.595</u>	N	-0.003	-0.008%	Y
25_30	A032	Mariners' Club	830864	823003	1.5	<u>61.025</u>	N	<u>61.056</u>	N	-0.031	-0.050%	Y
25_30	A033	Container Terminal 2 Office	830774	823076	1.5	<u>54.123</u>	N	<u>54.167</u>	N	-0.045	-0.083%	Y
25_30	A034	Container Terminal 2 Workshop	830792	823113	1.5	<u>55.137</u>	N	<u>55.183</u>	N	-0.046	-0.083%	Y
25_30	A035	Container Terminal 5 Administration Building	830687	823361	16.5	<u>49.392</u>	N	<u>49.445</u>	N	-0.053	-0.107%	Y
25_30	A036	Container Terminal 5 Godown	830701	823494	16.5	<u>50.326</u>	N	<u>50.377</u>	N	-0.051	-0.101%	Y
25_30	A060	Cho Yu Chuen Kai Min Lau	831241	823247	1.5	<u>40.778</u>	N	<u>40.780</u>	N	-0.002	-0.004%	Y
25_30	A061	Cho Yu Chuen Kai Hang Lau	831226	823117	1.5	<u>41.006</u>	N	<u>41.009</u>	N	-0.002	-0.005%	Y
25_30	A062	Cho Yu Chuen Chung Ling Sheh	831158	823054	1.5	<u>41.281</u>	N	<u>41.285</u>	N	-0.003	-0.008%	Y
25_30	A063	Lai King Estate - Lok King House (Block 7)	831045	823079	1.5	<u>46.837</u>	N	<u>46.851</u>	N	-0.014	-0.030%	Y
25_30	A066	Yin Lai Court - Yin Kwong House (Block A)	831081	823350	1.5	<u>44.434</u>	N	<u>44.453</u>	N	-0.019	-0.043%	Y
25_30	A067	Yin Lai Court - Yin Tak House (Block B)	831076	823318	1.5	<u>44.240</u>	N	<u>44.256</u>	N	-0.017	-0.038%	Y
25_30	A070	Lai King Sports Centre	831181	823411	1.5	<u>42.105</u>	N	<u>42.113</u>	N	-0.009	-0.021%	Y
25_30	A017	Lai King Estate Ming King House	831030	823438	5	<u>44.734</u>	N	<u>44.762</u>	N	-0.028	-0.063%	Y
25_30	A018	Lai King Estate Yat King House	831100	823436	5	<u>45.297</u>	N	<u>45.326</u>	N	-0.029	-0.063%	Y
25_30	A019	HKEAA Lai King Assessment Centre	831031	823406	5	<u>44.126</u>	N	<u>44.152</u>	N	-0.026	-0.058%	Y
25_30	A021	Lai King Restaurant	831016	823355	5	<u>43.035</u>	N	<u>43.057</u>	N	-0.022	-0.051%	Y
25_30	A023	Yuet Lai Court - Lai Hung House (Block D)	831143	823291	5	<u>41.671</u>	N	<u>41.675</u>	N	-0.004	-0.009%	Y
25_30	A024	Yuet Lai Court - Lai Wah House (Block B)	831146	823206	5	<u>41.393</u>	N	<u>41.397</u>	N	-0.004	-0.009%	Y
25_30	A025	Lai King Estate - Yeung King House	831033	823143	5	<u>43.225</u>	N	<u>43.236</u>	N	-0.012	-0.028%	Y
25_30	A026	Lai King Estate - On King House	831007	823098	5	<u>42.587</u>	N	<u>42.600</u>	N	-0.013	-0.031%	Y
25_30	A027	Lai King Estate - Flatted Factories	830997	823049	5	<u>41.390</u>	N	<u>41.401</u>	N	-0.011	-0.027%	Y
25_30	A028	China Holiness College	831002	822964	5	<u>40.481</u>	N	<u>40.488</u>	N	-0.008	-0.019%	Y
25_30	A029	OUHK CITA Learning Centre	831103	823086	5	<u>42.160</u>	N	<u>42.165</u>	N	-0.005	-0.012%	Y
25_30	A030	Lai King Community Hall	831112	823015	5	<u>41.443</u>	N	<u>41.447</u>	N	-0.004	-0.010%	Y
25_30	A031	Asbury Methodist Primary School	831132	822963	5	<u>40.904</u>	N	<u>40.907</u>	N	-0.003	-0.008%	Y
25_30	A032	Mariners' Club	830864	823003	5	<u>58.871</u>	N	<u>58.903</u>	N	-0.032	-0.054%	Y
25_30	A033	Container Terminal 2 Office	830774	823076	5	<u>53.680</u>	N	<u>53.725</u>	N	-0.045	-0.085%	Y
25_30	A034	Container Terminal 2 Workshop	830792	823113	5	<u>54.587</u>	N	<u>54.634</u>	N	-0.047	-0.087%	Y
25_30	A035	Container Terminal 5 Administration Building	830687	823361	20	<u>48.510</u>	N	<u>48.568</u>	N	-0.057	-0.118%	Y
25_30	A036	Container Terminal 5 Godown	830701	823494	20	<u>49.086</u>	N	<u>49.141</u>	N	-0.055	-0.113%	Y
25_30	A060	Cho Yu Chuen Kai Min Lau	831241	823247	5	<u>40.576</u>	N	<u>40.578</u>	N	-0.002	-0.005%	Y
25_30	A061	Cho Yu Chuen Kai Hang Lau	831226	823117	5	<u>40.644</u>	N	<u>40.646</u>	N	-0.002	-0.005%	Y
25_30	A062	Cho Yu Chuen Chung Ling Sheh	831158	823054	5	<u>40.894</u>	N	<u>40.897</u>	N	-0.003	-0.007%	Y
25_30	A063	Lai King Estate - Lok King House (Block 7)	831045	823079	5	<u>46.441</u>	N	<u>46.455</u>	N	-0.014	-0.029%	Y
25_30	A066	Yin Lai Court - Yin Kwong House (Block A)	831081	823350	5	<u>43.728</u>	N	<u>43.745</u>	N	-0.017	-0.038%	Y
25_30	A067	Yin Lai Court - Yin Tak House (Block B)	831076	823318	5	<u>43.541</u>	N	<u>43.556</u>	N	-0.015	-0.035%	Y
25_30	A017	Lai King Estate Ming King House	831030	823438	10	<u>43.745</u>	N	<u>43.770</u>	N	-0.024	-0.055%	Y
25_30	A018	Lai King Estate Yat King House	831100	823436	10	<u>43.789</u>	N	<u>43.810</u>	N	-0.021	-0.048%	Y
25_30	A019	HKEAA Lai King Assessment Centre	831031	823406	10	<u>43.215</u>	N	<u>43.237</u>	N	-0.022	-0.051%	Y
25_30	A021	Lai King Restaurant	831016	823355	10	<u>42.297</u>	N	<u>42.316</u>	N	-0.018	-0.043%	Y
25_30	A023	Yuet Lai Court - Lai Hung House (Block D)	831143	823291	10	<u>40.859</u>	N	<u>40.862</u>	N	-0.004	-0.009%	Y
25_30	A024	Yuet Lai Court - Lai Wah House (Block B)	831146	823206	10	<u>40.776</u>	N	<u>40.779</u>	N	-0.003	-0.008%	Y
25_30	A025	Lai King Estate - Yeung King House	831033	823143	10	<u>42.170</u>	N	<u>42.181</u>	N	-0.011	-0.025%	Y
25_30	A026	Lai King Estate - On King House	831007	823098	10	<u>41.650</u>	N	<u>41.662</u>	N	-0.011	-0.027%	Y
25_30	A027	Lai King Estate - Flatted Factories	830997	823049	10	<u>40.802</u>	N	<u>40.812</u>	N	-0.010	-0.025%	Y
25_30	A028	China Holiness College	831002	822964	10	<u>40.246</u>	N	<u>40.253</u>	N	-0.008	-0.019%	Y
25_30	A029	OUHK CITA Learning Centre	831103	823086	10	<u>40.878</u>	N	<u>40.883</u>	N	-0.005	-0.012%	Y
25_30	A030	Lai King Community Hall	831112	823015	10	<u>40.445</u>	N	<u>40.449</u>	N	-0.004	-0.011%	Y
25_30	A031	Asbury Methodist Primary School	831132	822963	10	<u>40.115</u>	N	<u>40.118</u>	N	-0.003	-0.008%	Y
25_30	A032	Mariners' Club	830864	823003	10	<u>55.545</u>	N	<u>55.577</u>	N	-0.031	-0.057%	Y
25_30	A033	Container Terminal 2 Office	830774	823076	10	<u>52.335</u>	N	<u>52.382</u>	N	-0.046	-0.089%	Y
25_30	A034	Container Terminal 2 Workshop	830792	823113	10	<u>53.118</u>	N	<u>53.169</u>	N	-0.051	-0.096%	Y
25_30	A035	Container Terminal 5 Administration Building	830687	823361	25	<u>47.201</u>	N	<u>47.264</u>	N	-0.063	-0.133%	Y
25_30	A036	Container Terminal 5 Godown	830701	823494	25	<u>47.345</u>	N	<u>47.407</u>	N	-0.062	-0.131%	Y
25_30	A060	Cho Yu Chuen Kai Min Lau	831241	823247	10	<u>40.219</u>	N	<u>40.221</u>	N	-0.002	-0.005%	Y
25_30	A061	Cho Yu Chuen Kai Hang Lau	831226	823117	10	<u>40.162</u>	N	<u>40.164</u>	N	-0.002	-0.005%	Y
25_30	A062	Cho Yu Chuen Chung Ling Sheh	831158	823054	10	<u>40.283</u>	N	<u>40.286</u>	N	-0.003	-0.007%	Y
25_30	A063	Lai King Estate - Lok King House (Block 7)	831045	823079	10	<u>45.390</u>	N	<u>45.403</u>	N	-0.013	-0.030%	Y
25_30	A066	Yin Lai Court - Yin Kwong House (Block A)	831081	823350	10	<u>42.565</u>	N	<u>42.578</u>	N	-0.013	-0.030%	Y
25_30	A067	Yin Lai Court - Yin Tak House (Block B)	831076	823318	10	<u>42.394</u>	N	<u>42.406</u>	N	-0.012	-0.027%	Y

Note:

1. The heights Z are 1.5m, 5m and 10m above ground, except some heights of ASRs which are podium or in higher terrain such as buildings in hilly region have been adjusted.

2. AQO requirements:

NO2 1-hour average	200 µg/m ³ with less than	19 exceedance
NO2 Annual average	40 µg/m ³	
RSP 24-hour average	100 µg/m ³ with less than	10 exceedance
RSP Annual average	50 µg/m ³	
FSP 24-hour average	75 µg/m ³ with less than	10 exceedance
FSP Annual average	35 µg/m ³	

3. Underlined means the pollutant concentration has exceeded the AQO limit.

Appendix 3-13 Comparison of Cumulative Impact Result of NO₂ Annual Average between "Without Project" and "With Project" scenarios at 1.5m, 5m and 10m in Year 2021

Result Table for Grid [25, 31]:

PATH Grid	ASR ID	ASR Descriptions	X	Y	Z (m)	Impact Testing for Annual NO ₂ (µg/m ³) due to the Project						
						With Project NO ₂ Annual Average (a)	Met AQO (Y/N)?	Without Project NO ₂ Annual Average (b)	Met AQO (Y/N)?	Difference (a) - (b)	% Difference	Beneficial to the Project (Y/N)?
25_31	A001	Kwai Tsing Theatre	831042	824135	1.5	40.785	N	40.790	N	-0.005	-0.01%	Y
25_31	A003	Kwai Tsing District Police Headquarters & Divisional Police Station	831350	824183	1.5	39.611	Y	39.623	Y	-0.011	-0.03%	Y
25_31	A004	Proposed Residential (Group E) 1 Development at Ex-Kwai Chung Police Married Quarters at Kwai Yi Road	831363	824098	1.5	46.425	N	46.436	N	-0.011	-0.02%	Y
25_31	A005	Kwai Fong Terrace Block 2	831291	824014	16.4	37.279	Y	37.302	Y	-0.023	-0.06%	Y
25_31	A006	Kwai Yi Road Playground & Sports Ground	831263	823971	1.5	49.660	N	49.676	N	-0.016	-0.03%	Y
25_31	A007	Tin Hau Temple	831371	824034	1.5	42.664	N	42.671	N	-0.007	-0.02%	Y
25_31	A011	Lingnam Dr. Chung Wing Kwong Memorial Secondary School	831161	823771	1.5	43.259	N	43.330	N	-0.071	-0.16%	Y
25_31	A012	Lai King Catholic Secondary School	831130	823752	1.5	44.261	N	44.348	N	-0.087	-0.20%	Y
25_31	A013	Ho Kwai Chung Polyclinic & Special Education Services Centre	831224	823707	1.5	42.006	N	42.030	N	-0.023	-0.06%	Y
25_31	A014	Lai King Hill Road North Sitting-out Area	831179	823605	1.5	43.512	N	43.548	N	-0.036	-0.08%	Y
25_31	A015	Lai King Estate Wo King House	831121	823592	1.5	41.769	N	41.861	N	-0.092	-0.22%	Y
25_31	A016	Lai King Estate Fung King House	831068	823562	1.5	40.898	N	40.976	N	-0.078	-0.19%	Y
25_31	A037	Container Terminal 5 Office	830624	823624	1.5	50.437	N	50.465	N	-0.028	-0.05%	Y
25_31	A038	Fedility Godown	830714	823729	1.5	47.649	N	47.686	N	-0.037	-0.08%	Y
25_31	A039	Kerry (Kwai Chung) Godown	830767	823705	1.5	48.696	N	48.749	N	-0.054	-0.11%	Y
25_31	A040	Cargo Consolidation Complex	830794	823681	21.3	39.610	Y	39.689	Y	-0.079	-0.20%	Y
25_31	A041	Ever Gain Plaza Tower 1	830873	823701	47.9	33.220	Y	33.278	Y	-0.058	-0.17%	Y
25_31	A042	Ever Gain Plaza Tower 2	830905	823798	47.9	33.150	Y	33.179	Y	-0.029	-0.09%	Y
25_31	A043	Kwai Shun Industrial Centre North Tower	830863	823846	1.5	53.197	N	53.225	N	-0.029	-0.05%	Y
25_31	A044	Golden Industrial Building	830819	823864	1.5	48.965	N	48.987	N	-0.022	-0.04%	Y
25_31	A045	Kwai Shun Street Cooked Food Market	830839	823901	1.5	49.175	N	49.187	N	-0.012	-0.02%	Y
25_31	A046	Kwai Shun Street Playground	830822	823934	1.5	48.737	N	48.744	N	-0.007	-0.01%	Y
25_31	A047	Kwai Tak Industrial Building Block 2	830788	823924	1.5	48.769	N	48.778	N	-0.009	-0.02%	Y
25_31	A048	Profit Industrial Building	830872	823971	1.5	44.760	N	44.766	N	-0.006	-0.01%	Y
25_31	A049	Join-in Hang Sing Centre	830959	823953	1.5	47.015	N	47.025	N	-0.010	-0.02%	Y
25_31	A050	Petrol Station Office at Container Port Road	830985	823920	1.5	44.106	N	44.128	N	-0.022	-0.05%	Y
25_31	A051	Marvel Industrial Building Block B	830815	824046	5.5	44.768	N	44.772	N	-0.004	-0.01%	Y
25_31	A052	Wing Hang Industrial Building	830775	824161	7.5	42.597	N	42.600	N	-0.003	-0.01%	Y
25_31	A053	Kwai Shing Swimming Pool	830744	824375	1.5	37.568	Y	37.570	Y	-0.002	-0.01%	Y
25_31	A054	Hing Shing Road Basketball Court	830811	824336	1.5	38.759	Y	38.760	Y	-0.002	0.00%	Y
25_31	A055	Kwai Chung Sports Ground	830940	824258	1.5	45.031	N	45.033	N	-0.002	0.00%	Y
25_31	A056	Kwai Chung Plaza Block 1	831136	824345	1.5	38.311	Y	38.314	Y	-0.003	-0.01%	Y
25_31	A057	New Kwai Fong Gardens Block A	831184	824087	1.5	41.870	N	41.879	N	-0.009	-0.02%	Y
25_31	A058	Hisbiscus Park Block 2	830903	824410	5.1	35.174	Y	35.176	Y	-0.002	-0.01%	Y
25_31	A064	Wing Hong Factory Building	830882	824035	1.5	43.780	N	43.785	N	-0.005	-0.01%	Y
25_31	A065	Metrolaza Tower 2	831049	824242	1.5	38.887	Y	38.892	Y	-0.005	-0.01%	Y
25_31	A068	Wah Fung Industrial Centre	830932	824126	6.5	41.822	N	41.827	N	-0.005	-0.01%	Y
25_31	A069	Fook Yip Building	831019	824036	1.8	46.161	N	46.169	N	-0.008	-0.02%	Y
25_31	A001	Kwai Tsing Theatre	831042	824135	5	40.161	N	40.167	N	-0.005	-0.01%	Y
25_31	A003	Kwai Tsing District Police Headquarters & Divisional Police Station	831350	824183	5	39.056	Y	39.066	Y	-0.010	-0.03%	Y
25_31	A004	Proposed Residential (Group E) 1 Development at Ex-Kwai Chung Police Married Quarters at Kwai Yi Road	831363	824098	5	43.132	N	43.144	N	-0.012	-0.03%	Y
25_31	A005	Kwai Fong Terrace Block 2	831291	824014	19.9	36.222	Y	36.245	Y	-0.024	-0.07%	Y
25_31	A007	Tin Hau Temple	831371	824034	5	39.922	Y	39.933	Y	-0.010	-0.03%	Y
25_31	A011	Lingnam Dr. Chung Wing Kwong Memorial Secondary School	831161	823771	5	42.675	N	42.747	N	-0.072	-0.17%	Y
25_31	A012	Lai King Catholic Secondary School	831130	823752	5	43.462	N	43.555	N	-0.093	-0.21%	Y
25_31	A013	Ho Kwai Chung Polyclinic & Special Education Services Centre	831224	823707	5	38.886	Y	38.925	Y	-0.039	-0.10%	Y
25_31	A015	Lai King Estate Wo King House	831121	823592	5	40.701	N	40.776	N	-0.075	-0.18%	Y
25_31	A016	Lai King Estate Fung King House	831068	823562	5	39.819	Y	39.847	Y	-0.028	-0.07%	Y
25_31	A037	Container Terminal 5 Office	830624	823624	5	47.895	N	47.924	N	-0.029	-0.06%	Y
25_31	A038	Fedility Godown	830714	823729	5	45.646	N	45.686	N	-0.040	-0.09%	Y
25_31	A039	Kerry (Kwai Chung) Godown	830767	823705	5	46.853	N	46.908	N	-0.055	-0.12%	Y
25_31	A040	Cargo Consolidation Complex	830794	823681	24.8	38.233	Y	38.312	Y	-0.079	-0.21%	Y
25_31	A041	Ever Gain Plaza Tower 1	830873	823701	51.4	33.043	Y	33.092	Y	-0.049	-0.15%	Y
25_31	A042	Ever Gain Plaza Tower 2	830905	823798	51.4	32.988	Y	33.013	Y	-0.025	-0.08%	Y
25_31	A043	Kwai Shun Industrial Centre North Tower	830863	823846	5	49.740	N	49.775	N	-0.034	-0.07%	Y
25_31	A044	Golden Industrial Building	830819	823864	5	47.220	N	47.243	N	-0.023	-0.05%	Y
25_31	A045	Kwai Shun Street Cooked Food Market	830839	823901	5	49.482	N	49.494	N	-0.013	-0.03%	Y
25_31	A047	Kwai Tak Industrial Building Block 2	830788	823924	5	47.494	N	47.504	N	-0.010	-0.02%	Y
25_31	A048	Profit Industrial Building	830872	823971	5	45.277	N	45.283	N	-0.006	-0.01%	Y
25_31	A049	Join-in Hang Sing Centre	830959	823953	5	44.935	N	44.947	N	-0.012	-0.03%	Y
25_31	A050	Petrol Station Office at Container Port Road	830985	823920	5	43.454	N	43.476	N	-0.022	-0.05%	Y
25_31	A051	Marvel Industrial Building Block B	830815	824046	9	43.112	N	43.117	N	-0.005	-0.01%	Y
25_31	A052	Wing Hang Industrial Building	830775	824161	11	40.797	N	40.800	N	-0.003	-0.01%	Y

PATH Grid	ASR ID	ASR Descriptions	X	Y	Z (m)	Impact Testing for Annual NO ₂ (µg/m ³) due to the Project						
						With Project Annual Average (a)	Met AQO (Y/N)?	Without Project Annual Average (b)	Met AQO (Y/N)?	Difference (a) - (b)	% Difference	Beneficial to the Project (Y/N)?
25_31	A053	Kwai Shing Swimming Pool	830744	824375	5	36.974	Y	36.976	Y	-0.002	0.00%	Y
25_31	A056	Kwai Chung Plaza Block 1	831136	824345	5	37.168	Y	37.172	Y	-0.004	-0.01%	Y
25_31	A057	New Kwai Fong Gardens Block A	831184	824087	5	<u>40.434</u>	N	<u>40.446</u>	N	-0.011	-0.03%	Y
25_31	A058	Hisbiscus Park Block 2	830903	824410	8.6	34.973	Y	34.975	Y	-0.003	-0.01%	Y
25_31	A064	Wing Hong Factory Building	830882	824035	5	<u>42.905</u>	N	<u>42.911</u>	N	-0.006	-0.01%	Y
25_31	A065	Metroplaza Tower 2	831049	824242	5	38.562	Y	38.566	Y	-0.004	-0.01%	Y
25_31	A068	Wah Fung Industrial Centre	830932	824126	10	<u>40.276</u>	N	<u>40.281</u>	N	-0.005	-0.01%	Y
25_31	A069	Fook Yip Building	831019	824036	5.3	<u>43.816</u>	N	<u>43.826</u>	N	-0.010	-0.02%	Y
25_31	A001	Kwai Tsing Theatre	831042	824135	10	38.772	Y	38.778	Y	-0.006	-0.02%	Y
25_31	A003	Kwai Tsing District Police Headquarters & Divisional Police Station	831350	824183	10	37.651	Y	37.662	Y	-0.011	-0.03%	Y
25_31	A004	Proposed Residential (Group E) 1 Development at Ex-Kwai Chung Police Married Quarters at Kwai Yi Road	831363	824098	10	39.063	Y	39.077	Y	-0.014	-0.04%	Y
25_31	A005	Kwai Fong Terrace Block 2	831291	824014	24.9	35.127	Y	35.153	Y	-0.026	-0.07%	Y
25_31	A007	Tin Hau Temple	831371	824034	10	37.525	Y	37.540	Y	-0.015	-0.04%	Y
25_31	A011	Lingnam Dr. Chung Wing Kwong Memorial Secondary School	831161	823771	10	<u>41.135</u>	N	<u>41.212</u>	N	-0.077	-0.19%	Y
25_31	A012	Lai King Catholic Secondary School	831130	823752	10	<u>41.756</u>	N	<u>41.848</u>	N	-0.092	-0.22%	Y
25_31	A013	Ho Kwai Chung Polyclinic & Special Education Services Centre	831224	823707	10	36.441	Y	36.487	Y	-0.046	-0.13%	Y
25_31	A015	Lai King Estate Wo King House	831121	823592	10	38.707	Y	38.759	Y	-0.052	-0.13%	Y
25_31	A016	Lai King Estate Fung King House	831068	823562	10	38.207	Y	38.212	Y	-0.005	-0.01%	Y
25_31	A037	Container Terminal 5 Office	830624	823624	10	<u>46.696</u>	N	<u>46.726</u>	N	-0.031	-0.07%	Y
25_31	A038	Fedality Godown	830714	823729	10	<u>44.030</u>	N	<u>44.070</u>	N	-0.040	-0.09%	Y
25_31	A039	Kerry (Kwai Chung) Godown	830767	823705	10	<u>44.855</u>	N	<u>44.915</u>	N	-0.059	-0.13%	Y
25_31	A040	Cargo Consolidation Complex	830794	823681	29.8	36.590	Y	36.669	Y	-0.079	-0.22%	Y
25_31	A041	Ever Gain Plaza Tower 1	830873	823701	56.4	32.981	Y	33.020	Y	-0.039	-0.12%	Y
25_31	A042	Ever Gain Plaza Tower 2	830905	823798	56.4	32.915	Y	32.936	Y	-0.021	-0.06%	Y
25_31	A043	Kwai Shun Industrial Centre North Tower	830863	823846	10	<u>46.264</u>	N	<u>46.304</u>	N	-0.040	-0.09%	Y
25_31	A044	Golden Industrial Building	830819	823864	10	<u>45.148</u>	N	<u>45.173</u>	N	-0.025	-0.05%	Y
25_31	A045	Kwai Shun Street Cooked Food Market	830839	823901	10	<u>47.084</u>	N	<u>47.099</u>	N	-0.015	-0.03%	Y
25_31	A047	Kwai Tak Industrial Building Block 2	830788	823924	10	<u>45.309</u>	N	<u>45.321</u>	N	-0.012	-0.03%	Y
25_31	A048	Profit Industrial Building	830872	823971	10	<u>43.492</u>	N	<u>43.500</u>	N	-0.008	-0.02%	Y
25_31	A049	Join-in Hang Sing Centre	830959	823953	10	<u>42.422</u>	N	<u>42.436</u>	N	-0.014	-0.03%	Y
25_31	A050	Petrol Station Office at Container Port Road	830985	823920	10	<u>41.960</u>	N	<u>41.982</u>	N	-0.022	-0.05%	Y
25_31	A051	Marvel Industrial Building Block B	830815	824046	14	<u>40.364</u>	N	<u>40.369</u>	N	-0.006	-0.01%	Y
25_31	A052	Wing Hang Industrial Building	830775	824161	16	38.406	Y	38.410	Y	-0.004	-0.01%	Y
25_31	A053	Kwai Shing Swimming Pool	830744	824375	10	35.862	Y	35.864	Y	-0.002	-0.01%	Y
25_31	A056	Kwai Chung Plaza Block 1	831136	824345	10	35.831	Y	35.835	Y	-0.004	-0.01%	Y
25_31	A057	New Kwai Fong Gardens Block A	831184	824087	10	38.836	Y	38.849	Y	-0.013	-0.03%	Y
25_31	A058	Hisbiscus Park Block 2	830903	824410	13.6	34.584	Y	34.586	Y	-0.003	-0.01%	Y
25_31	A064	Wing Hong Factory Building	830882	824035	10	41.487	N	41.494	N	-0.007	-0.02%	Y
25_31	A065	Metroplaza Tower 2	831049	824242	10	37.689	Y	37.694	Y	-0.005	-0.01%	Y
25_31	A068	Wah Fung Industrial Centre	830932	824126	15	38.383	Y	38.390	Y	-0.007	-0.02%	Y
25_31	A069	Fook Yip Building	831019	824036	10.3	<u>40.835</u>	N	<u>40.847</u>	N	-0.012	-0.03%	Y

Note:

1. The heights Z are 1.5m, 5m and 10m above ground, except some heights of ASRs which are podium or in higher terrain such as buildings in hilly region have been adjusted.

2. AQO requirements:

NO2 1-hour average	200 µg/m ³ with less than	19 exceedance
NO2 Annual average	40 µg/m ³	
RSP 24-hour average	100 µg/m ³ with less than	10 exceedance
RSP Annual average	50 µg/m ³	
FSP 24-hour average	75 µg/m ³ with less than	10 exceedance
FSP Annual average	35 µg/m ³	

3. Underlined means the pollutant concentration has exceeded the AQO limit.

Appendix 3-13 Comparison of Cumulative Impact Result of NO₂ Annual Average between "Without Project" and "With Project" scenarios at 1.5m, 5m and 10m in Year 2021

Result Table for Grid [26, 30]:

PATH Grid	ASR ID	ASR Descriptions	X	Y	Z (m)	Impact Testing for Annual NO ₂ due to the Project, mg/m ³						
						With Project NO ₂ Annual Average (a)	Met AQO (Y/N)?	Without Project NO ₂ Annual Average (b)	Met AQO (Y/N)?	Difference (a) - (b)	% Difference	Beneficial to the Project (Y/N)?
26_30	A059	Highland Park Block 6	831428	823491	3.3	29.711	Y	29.714	Y	-0.004	-0.01%	Y
26_30	A059	Highland Park Block 6	831428	823491	6.8	29.675	Y	29.679	Y	-0.004	-0.01%	Y
26_30	A059	Highland Park Block 6	831428	823491	11.8	29.590	Y	29.593	Y	-0.003	-0.01%	Y

Note:

1. The heights Z are 1.5m, 5m and 10m above ground, except some heights of ASRs which are podium or in higher terrain such as buildings in hilly region have been adjusted.

2. AQO requirements:

NO ₂ 1-hour average	200 µg/m ³ with less than	19 exceedance
NO ₂ Annual average	40 µg/m ³	
RSP 24-hour average	100 µg/m ³ with less than	10 exceedance
RSP Annual average	50 µg/m ³	
FSP 24-hour average	75 µg/m ³ with less than	10 exceedance
FSP Annual average	35 µg/m ³	

3. Underlined means the pollutant concentration has exceeded the AQO limit.

Appendix 3-13 Comparison of Cumulative Impact Result of NO₂ Annual Average between "Without Project" and "With Project" scenarios at 1.5m, 5m and 10m in Year 2021

Result Table for Grid [26, 31]:

PATH Grid	ASR ID	ASR Descriptions	X	Y	Z (m)	Impact Testing for Annual NO ₂ due to the Project, mg/m ³						
						With Project NO ₂ Annual Average (a)	Met AQO (Y/N)?	Without Project NO ₂ Annual Average (b)	Met AQO (Y/N)?	Difference (a) - (b)	% Difference	Beneficial to the Project (Y/N)?
26_31	A008	Lai Yiu Estate Fu Yiu House	831431	823909	5	30.371	Y	30.391	Y	-0.020	-0.07%	Y
26_31	A009	TWGHs Ko Ho Ning Memorial Primary School	831411	823811	5	29.500	Y	29.514	Y	-0.013	-0.05%	Y
26_31	A010	Kwai Chung Methodist College	831448	823709	5	28.767	Y	28.774	Y	-0.007	-0.02%	Y
26_31	A008	Lai Yiu Estate Fu Yiu House	831431	823909	10	30.054	Y	30.074	Y	-0.020	-0.07%	Y
26_31	A009	TWGHs Ko Ho Ning Memorial Primary School	831411	823811	10	29.308	Y	29.320	Y	-0.012	-0.04%	Y
26_31	A010	Kwai Chung Methodist College	831448	823709	10	28.524	Y	28.531	Y	-0.007	-0.02%	Y
26_31	A008	Lai Yiu Estate Fu Yiu House	831431	823909	20	29.391	Y	29.410	Y	-0.018	-0.06%	Y
26_31	A009	TWGHs Ko Ho Ning Memorial Primary School	831411	823811	20	28.863	Y	28.873	Y	-0.011	-0.04%	Y
26_31	A010	Kwai Chung Methodist College	831448	823709	20	28.070	Y	28.076	Y	-0.006	-0.02%	Y

Note:

1. The heights Z are 1.5m, 5m and 10m above ground, except some heights of ASRs which are podium or in higher terrain such as buildings in hilly region have been adjusted.

2. AQO requirements:

NO ₂ 1-hour average	200 µg/m ³ with less than	19 exceedance
NO ₂ Annual average	40 µg/m ³	
RSP 24-hour average	100 µg/m ³ with less than	10 exceedance
RSP Annual average	50 µg/m ³	
FSP 24-hour average	75 µg/m ³ with less than	10 exceedance
FSP Annual average	35 µg/m ³	

3. Underlined means the pollutant concentration has exceeded the AQO limit.