

Annex 4E

Predicted Cumulative Pollutant Concentrations at ASRs

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				Cumulative 19th Highest Hourly Average NO ₂ (µgm ⁻³)								Maximum Hourly Average NO ₂ (Project Only) (µgm ⁻³) ^(a)							
				Receptor height (meters above ground)								Receptor height (meters above ground)							
ASR	ASR Description	x	y	1.5	5	10	20	30	40	50	60	1.5	5	10	20	30	40	50	60
A1	Sludge Treatment Facilities (STF) Office	810405	831497	127.80	127.82	128.70	128.29	132.28	137.16			9.22	9.00	9.06	12.84	42.06	65.52		
A2	WENT Extension Site Office	810480	831276	128.32	128.31	128.84						8.25	8.23	8.24					
A3	Lung Kwu Sheung Tan	809498	829217	153.69	151.93	150.42						7.36	7.22	7.09					
A4	Planned Development at Lung Kwu Tan	808948	829100	137.34	137.42	137.58	137.15	139.16	145.14	145.21	146.71	7.61	7.24	7.19	11.66	22.48	34.23	27.89	11.65
A5	Village House at Tai Shan Central	829494	809322	131.81	132.58	133.40						18.87	19.44	19.47					
A6	Village House at Wang Long	829787	809245	124.72	124.71	124.71						14.61	16.84	20.49					
A7	Concerto Inn	830329	808956	118.39	118.37	118.59						18.11	17.85	19.38					
AQO Criterion				200	200	200	200	200	200	200	200	-	-	-	-	-	-	-	-

Note:

(a) The maximum hourly average project contribution does not correspond to the same hour as the cumulative 19th highest hourly average concentration.

				Cumulative Annual Average NO ₂ (µgm ⁻³)								Annual Average NO ₂ (Project Only) (µgm ⁻³)							
				Receptor height (meters above ground)								Receptor height (meters above ground)							
ASR	ASR Description	x	y	1.5	5	10	20	30	40	50	60	1.5	5	10	20	30	40	50	60
A1	Sludge Treatment Facilities (STF) Office	810405	831497	29.83	30.01	30.80	31.67	32.22	36.17			0.06	0.06	0.06	0.07	0.14	0.18		
A2	WENT Extension Site Office	810480	831276	29.52	29.92	30.95						0.05	0.05	0.05					
A3	Lung Kwu Sheung Tan	809498	829217	35.47	34.92	34.34						0.05	0.05	0.05					
A4	Planned Development at Lung Kwu Tan	808948	829100	36.95	36.84	36.74	36.76	37.07	37.51	37.70	37.57	0.07	0.07	0.07	0.09	0.11	0.13	0.11	0.07
A5	Village House at Tai Shan Central	829494	809322	24.79	24.86	24.94						0.10	0.10	0.09					
A6	Village House at Wang Long	829787	809245	22.71	22.72	22.76						0.08	0.08	0.08					
A7	Concerto Inn	830329	808956	18.16	18.15	18.17						0.09	0.08	0.09					
AQO Criterion				40	40	40	40	40	40	40	40	-	-	-	-	-	-	-	-