

APPENDIX 4.21
Detailed Operation Air Quality Impacts at Existing
ASRs in Year 2033 (without Project)

ASRs ID	PATH Grid	Description of ASRs	Existing/ Planned Uses	Nature of Use	ASR Coordinates		Flag Pole Receiver Height, mAG	Predicted Cumulative Impacts for Year 2033 (µg/m3) (Without Development)					
					x	y		NO ₂		RSP		FSP	
					Easting	Northing		1-h (AQO=200) 19 th highest	Annual (AQO=40)	24-h (AQO=100) 10 th highest	Annual (AQO=50)	24-h (AQO=75) 10 th highest	Annual (AQO=35)
R01_01	19,43	Tower 1, Goodrich Garden	Existing	Residential	814711.5	829990.8	1.5	111.62	26.99	86.76	36.65	65.12	26.06
R01_02	19,43	Tower 1, Goodrich Garden	Existing	Residential	814711.5	829990.8	5	110.88	26.70	86.74	36.63	65.10	26.04
R01_03	19,43	Tower 1, Goodrich Garden	Existing	Residential	814711.5	829990.8	10	109.62	26.15	86.70	36.60	65.06	26.01
R01_04	19,43	Tower 1, Goodrich Garden	Existing	Residential	814711.5	829990.8	15	108.94	25.68	86.67	36.57	65.03	25.99
R01_05	19,43	Tower 1, Goodrich Garden	Existing	Residential	814711.5	829990.8	20	108.53	25.33	86.64	36.55	65.01	25.97
R01_06	19,43	Tower 1, Goodrich Garden	Existing	Residential	814711.5	829990.8	25	107.74	25.06	86.62	36.54	64.99	25.96
R01_07	19,43	Tower 1, Goodrich Garden	Existing	Residential	814711.5	829990.8	30	107.04	24.85	86.61	36.53	64.98	25.95
R01_08	19,43	Tower 1, Goodrich Garden	Existing	Residential	814711.5	829990.8	50	105.38	24.34	86.57	36.50	64.94	25.92
R01_09	19,43	Tower 1, Goodrich Garden	Existing	Residential	814711.5	829990.8	80	105.02	24.02	86.54	36.47	64.91	25.90
R01_10	19,43	Tower 1, Goodrich Garden	Existing	Residential	814711.5	829990.8	120	105.02	23.87	86.52	36.45	64.89	25.88
R02_01	19,43	Farm House of New Life Farm	Existing	Commercial	814841.9	830126.7	1.5	109.18	26.09	86.68	36.60	65.04	26.02
R02_02	19,43	Farm House of New Life Farm	Existing	Commercial	814841.9	830126.7	5	108.99	26.00	86.67	36.60	65.03	26.01
R03_01	19,43	Block 9, Po Tin Estate	Existing	Residential	814713.9	830196.4	1.5	112.78	27.99	86.73	36.66	65.09	26.07
R03_02	19,43	Block 9, Po Tin Estate	Existing	Residential	814713.9	830196.4	5	112.43	27.50	86.71	36.64	65.07	26.05
R03_03	19,43	Block 9, Po Tin Estate	Existing	Residential	814713.9	830196.4	10	110.29	26.53	86.68	36.60	65.04	26.01
R03_04	19,43	Block 9, Po Tin Estate	Existing	Residential	814713.9	830196.4	15	109.15	25.79	86.65	36.57	65.01	25.99
R03_05	19,43	Block 9, Po Tin Estate	Existing	Residential	814713.9	830196.4	20	108.45	25.34	86.63	36.55	65.00	25.97
R03_06	19,43	Block 9, Po Tin Estate	Existing	Residential	814713.9	830196.4	25	108.44	25.04	86.62	36.54	64.99	25.96
R03_07	19,43	Block 9, Po Tin Estate	Existing	Residential	814713.9	830196.4	30	107.80	24.83	86.61	36.53	64.98	25.95
R03_08	19,43	Block 9, Po Tin Estate	Existing	Residential	814713.9	830196.4	50	105.83	24.35	86.58	36.49	64.95	25.92
R03_09	19,43	Block 9, Po Tin Estate	Existing	Residential	814713.9	830196.4	80	105.02	24.03	86.55	36.47	64.92	25.90
R03_10	19,43	Block 9, Po Tin Estate	Existing	Residential	814713.9	830196.4	120	105.02	23.87	86.52	36.45	64.90	25.88
R04_01	19,43	TM54 Site 5	Existing	Residential	814767.9	830263.2	1.5	114.03	27.43	86.71	36.63	65.07	26.04
R04_02	19,43	TM54 Site 5	Existing	Residential	814767.9	830263.2	5	112.58	26.96	86.70	36.61	65.06	26.03
R04_03	19,43	TM54 Site 5	Existing	Residential	814767.9	830263.2	10	111.41	26.12	86.67	36.58	65.03	26.00
R04_04	19,43	TM54 Site 5	Existing	Residential	814767.9	830263.2	15	108.89	25.55	86.65	36.56	65.01	25.98
R04_05	19,43	TM54 Site 5	Existing	Residential	814767.9	830263.2	20	108.28	25.21	86.64	36.55	65.00	25.97
R04_06	19,43	TM54 Site 5	Existing	Residential	814767.9	830263.2	25	107.60	24.98	86.63	36.54	64.99	25.96
R04_07	19,43	TM54 Site 5	Existing	Residential	814767.9	830263.2	30	107.06	24.80	86.62	36.53	64.98	25.95
R04_08	19,43	TM54 Site 5	Existing	Residential	814767.9	830263.2	50	105.73	24.35	86.59	36.50	64.96	25.92
R04_09	19,43	TM54 Site 5	Existing	Residential	814767.9	830263.2	80	105.02	24.04	86.56	36.47	64.93	25.90
R04_10	19,43	TM54 Site 5	Existing	Residential	814767.9	830263.2	120	105.02	23.87	86.52	36.45	64.90	25.88
R05_01	19,43	TM54 Site 5	Existing	Residential	814767.7	830312.3	1.5	111.66	26.51	86.69	36.60	65.05	26.02
R05_02	19,43	TM54 Site 5	Existing	Residential	814767.7	830312.3	5	111.65	26.36	86.68	36.59	65.04	26.01
R05_03	19,43	TM54 Site 5	Existing	Residential	814767.7	830312.3	10	110.95	25.96	86.67	36.58	65.03	25.99
R05_04	19,43	TM54 Site 5	Existing	Residential	814767.7	830312.3	15	109.04	25.54	86.65	36.56	65.01	25.98
R05_05	19,43	TM54 Site 5	Existing	Residential	814767.7	830312.3	20	108.28	25.22	86.65	36.55	65.00	25.97
R05_06	19,43	TM54 Site 5	Existing	Residential	814767.7	830312.3	25	108.14	24.98	86.64	36.54	65.00	25.96
R05_07	19,43	TM54 Site 5	Existing	Residential	814767.7	830312.3	30	107.41	24.80	86.63	36.53	64.99	25.95
R05_08	19,43	TM54 Site 5	Existing	Residential	814767.7	830312.3	50	105.83	24.35	86.60	36.50	64.96	25.92
R05_09	19,43	TM54 Site 5	Existing	Residential	814767.7	830312.3	80	105.02	24.04	86.56	36.47	64.93	25.90
R05_10	19,43	TM54 Site 5	Existing	Residential	814767.7	830312.3	120	105.02	23.87	86.52	36.45	64.89	25.88
R06_01	19,43	TM54 Site 3/4 (West)	Existing	Residential	814803.7	830205.0	1.5	112.16	26.42	86.68	36.61	65.04	26.02
R06_02	19,43	TM54 Site 3/4 (West)	Existing	Residential	814803.7	830205.0	5	111.66	26.25	86.67	36.60	65.03	26.01
R06_03	19,43	TM54 Site 3/4 (West)	Existing	Residential	814803.7	830205.0	10	109.59	25.88	86.66	36.58	65.02	26.00
R06_04	19,43	TM54 Site 3/4 (West)	Existing	Residential	814803.7	830205.0	15	108.27	25.52	86.65	36.56	65.01	25.98
R06_05	19,43	TM54 Site 3/4 (West)	Existing	Residential	814803.7	830205.0	20	107.62	25.24	86.64	36.55	65.00	25.97
R06_06	19,43	TM54 Site 3/4 (West)	Existing	Residential	814803.7	830205.0	25	106.98	25.01	86.63	36.54	64.99	25.96
R06_07	19,43	TM54 Site 3/4 (West)	Existing	Residential	814803.7	830205.0	30	106.43	24.82	86.62	36.53	64.98	25.95
R06_08	19,43	TM54 Site 3/4 (West)	Existing	Residential	814803.7	830205.0	50	105.39	24.35	86.59	36.50	64.95	25.92
R06_09	19,43	TM54 Site 3/4 (West)	Existing	Residential	814803.7	830205.0	80	105.02	24.04	86.55	36.47	64.92	25.90
R06_10	19,43	TM54 Site 3/4 (West)	Existing	Residential	814803.7	830205.0	120	105.02	23.87	86.52	36.45	64.90	25.88
R07_01	19,43	Block F, Po Wah Garden - Phase 2	Existing	Residential	814853.7	830348.6	1.5	109.49	26.04	86.68	36.58	65.04	26.00
R07_02	19,43	Block F, Po Wah Garden - Phase 2	Existing	Residential	814853.7	830348.6	5	109.02	25.89	86.68	36.58	65.04	25.99
R07_03	19,43	Block F, Po Wah Garden - Phase 2	Existing	Residential	814853.7	830348.6	10	108.23	25.56	86.67	36.56	65.03	25.98

ASRs ID	PATH Grid	Description of ASRs	Existing/ Planned Uses	Nature of Use	ASR Coordinates		Flag Pole Receiver Height, mAG	Predicted Cumulative Impacts for Year 2033 (µg/m ³) (Without Development)					
					x	y		NO ₂		RSP		FSP	
					Easting	Northing		1-h (AQO=200) 19 th highest	Annual (AQO=40)	24-h (AQO=100) 10 th highest	Annual (AQO=50)	24-h (AQO=75) 10 th highest	Annual (AQO=35)
R08_01	19,44	Block 1, TM54 Site 1 & 1A	Existing	Residential	814818.5	830540.0	1.5	104.38	24.07	89.12	37.53	66.87	26.67
R08_02	19,44	Block 1, TM54 Site 1 & 1A	Existing	Residential	814818.5	830540.0	5	103.97	23.97	89.11	37.53	66.87	26.67
R08_03	19,44	Block 1, TM54 Site 1 & 1A	Existing	Residential	814818.5	830540.0	10	103.26	23.76	89.13	37.51	66.87	26.65
R08_04	19,44	Block 1, TM54 Site 1 & 1A	Existing	Residential	814818.5	830540.0	15	102.89	23.58	89.11	37.50	66.85	26.65
R08_05	19,44	Block 1, TM54 Site 1 & 1A	Existing	Residential	814818.5	830540.0	20	102.24	23.44	89.09	37.50	66.83	26.64
R08_06	19,44	Block 1, TM54 Site 1 & 1A	Existing	Residential	814818.5	830540.0	25	101.81	23.33	89.06	37.49	66.82	26.63
R08_07	19,44	Block 1, TM54 Site 1 & 1A	Existing	Residential	814818.5	830540.0	30	101.56	23.23	89.03	37.48	66.79	26.63
R08_08	19,44	Block 1, TM54 Site 1 & 1A	Existing	Residential	814818.5	830540.0	50	99.64	22.89	88.97	37.45	66.74	26.60
R08_09	19,44	Block 1, TM54 Site 1 & 1A	Existing	Residential	814818.5	830540.0	80	98.99	22.58	88.92	37.42	66.70	26.57
R08_10	19,44	Block 1, TM54 Site 1 & 1A	Existing	Residential	814818.5	830540.0	120	98.83	22.40	88.87	37.40	66.65	26.55
R09_01	19,44	Block 3, TM54 Site 1 & 1A	Existing	Residential	814797.7	830720.8	1.5	102.63	23.50	89.09	37.51	66.84	26.65
R09_02	19,44	Block 3, TM54 Site 1 & 1A	Existing	Residential	814797.7	830720.8	5	102.62	23.48	89.09	37.50	66.84	26.65
R09_03	19,44	Block 3, TM54 Site 1 & 1A	Existing	Residential	814797.7	830720.8	10	102.36	23.44	89.12	37.50	66.84	26.64
R09_04	19,44	Block 3, TM54 Site 1 & 1A	Existing	Residential	814797.7	830720.8	15	101.95	23.38	89.10	37.49	66.83	26.64
R09_05	19,44	Block 3, TM54 Site 1 & 1A	Existing	Residential	814797.7	830720.8	20	101.66	23.31	89.08	37.49	66.82	26.63
R09_06	19,44	Block 3, TM54 Site 1 & 1A	Existing	Residential	814797.7	830720.8	25	101.33	23.23	89.06	37.48	66.80	26.63
R09_07	19,44	Block 3, TM54 Site 1 & 1A	Existing	Residential	814797.7	830720.8	30	100.86	23.16	89.02	37.48	66.79	26.62
R09_08	19,44	Block 3, TM54 Site 1 & 1A	Existing	Residential	814797.7	830720.8	50	99.66	22.87	88.97	37.45	66.75	26.60
R09_09	19,44	Block 3, TM54 Site 1 & 1A	Existing	Residential	814797.7	830720.8	80	99.21	22.58	88.91	37.42	66.70	26.57
R09_10	19,44	Block 3, TM54 Site 1 & 1A	Existing	Residential	814797.7	830720.8	120	98.86	22.40	88.86	37.40	66.65	26.55
R10_01	19,44	Village House near Proposed Road L7	Existing	Residential	814848.8	830815.0	1.5	102.25	23.42	89.10	37.51	66.86	26.65
R10_02	19,44	Village House near Proposed Road L7	Existing	Residential	814848.8	830815.0	5	102.13	23.40	89.09	37.50	66.85	26.64
R10_03	19,44	Village House near Proposed Road L7	Existing	Residential	814848.8	830815.0	10	101.81	23.37	89.09	37.50	66.84	26.64
R11_01	20,43	TM54 Site 3/4 (East)	Existing	Residential	815144.0	830377.4	1.5	108.33	25.73	82.03	35.60	61.56	25.31
R11_02	20,43	TM54 Site 3/4 (East)	Existing	Residential	815144.0	830377.4	5	106.75	25.25	82.00	35.59	61.53	25.30
R11_03	20,43	TM54 Site 3/4 (East)	Existing	Residential	815144.0	830377.4	10	106.39	24.74	81.97	35.58	61.51	25.28
R11_04	20,43	TM54 Site 3/4 (East)	Existing	Residential	815144.0	830377.4	15	105.60	24.49	81.95	35.57	61.49	25.28
R11_05	20,43	TM54 Site 3/4 (East)	Existing	Residential	815144.0	830377.4	20	105.06	24.34	81.93	35.56	61.48	25.27
R11_06	20,43	TM54 Site 3/4 (East)	Existing	Residential	815144.0	830377.4	25	104.92	24.19	81.92	35.55	61.47	25.26
R11_07	20,43	TM54 Site 3/4 (East)	Existing	Residential	815144.0	830377.4	30	104.53	24.04	81.90	35.54	61.45	25.25
R11_08	20,43	TM54 Site 3/4 (East)	Existing	Residential	815144.0	830377.4	50	103.05	23.58	81.84	35.51	61.40	25.22
R11_09	20,43	TM54 Site 3/4 (East)	Existing	Residential	815144.0	830377.4	80	102.50	23.21	81.77	35.47	61.34	25.19
R11_10	20,43	TM54 Site 3/4 (East)	Existing	Residential	815144.0	830377.4	120	102.19	22.99	81.75	35.44	61.31	25.17
R12_01	20,43	Block B, Villa Family	Existing	Residential	815122.2	830417.2	1.5	108.07	25.59	82.02	35.60	61.55	25.30
R12_02	20,43	Block B, Villa Family	Existing	Residential	815122.2	830417.2	5	106.97	25.20	82.01	35.59	61.54	25.29
R12_03	20,43	Block B, Villa Family	Existing	Residential	815122.2	830417.2	10	105.34	24.66	81.98	35.57	61.52	25.28
R13_01	20,43	Secondary School at TM54 Site 4A (East)	Existing	Education Institution	815305.5	830480.0	1.5	107.77	25.53	82.10	35.61	61.61	25.32
R13_02	20,43	Secondary School at TM54 Site 4A (East)	Existing	Education Institution	815305.5	830480.0	5	106.87	25.30	82.09	35.60	61.60	25.31
R13_03	20,43	Secondary School at TM54 Site 4A (East)	Existing	Education Institution	815305.5	830480.0	10	105.92	24.91	82.05	35.59	61.58	25.29
R13_04	20,43	Secondary School at TM54 Site 4A (East)	Existing	Education Institution	815305.5	830480.0	15	106.04	24.65	82.03	35.58	61.56	25.29
R13_05	20,43	Secondary School at TM54 Site 4A (East)	Existing	Education Institution	815305.5	830480.0	20	105.06	24.47	82.01	35.57	61.54	25.28
R13_06	20,43	Secondary School at TM54 Site 4A (East)	Existing	Education Institution	815305.5	830480.0	25	104.68	24.31	81.99	35.56	61.53	25.27
R13_07	20,43	Secondary School at TM54 Site 4A (East)	Existing	Education Institution	815305.5	830480.0	30	104.22	24.15	81.96	35.55	61.51	25.26
R14_01	20,43	Village House near Tsz Tin Road	Existing	Residential	815396.4	830427.1	1.5	105.99	25.44	82.09	35.64	61.61	25.34
R14_02	20,43	Village House near Tsz Tin Road	Existing	Residential	815396.4	830427.1	5	105.53	25.33	82.08	35.63	61.60	25.33
R14_03	20,43	Village House near Tsz Tin Road	Existing	Residential	815396.4	830427.1	10	105.45	25.15	82.04	35.61	61.57	25.31
R15_01	20,43	Primary School at TM54 Site 4A (East)	Existing	Education Institution	815455.3	830526.0	1.5	108.01	26.08	82.23	35.66	61.73	25.36
R15_02	20,43	Primary School at TM54 Site 4A (East)	Existing	Education Institution	815455.3	830526.0	5	107.63	25.83	82.21	35.65	61.71	25.34
R15_03	20,43	Primary School at TM54 Site 4A (East)	Existing	Education Institution	815455.3	830526.0	10	106.32	25.37	82.16	35.62	61.67	25.32
R15_04	20,43	Primary School at TM54 Site 4A (East)	Existing	Education Institution	815455.3	830526.0	15	105.07	25.04	82.12	35.60	61.64	25.31
R15_05	20,43	Primary School at TM54 Site 4A (East)	Existing	Education Institution	815455.3	830526.0	20	104.95	24.79	82.09	35.59	61.61	25.30
R15_06	20,43	Primary School at TM54 Site 4A (East)	Existing	Education Institution	815455.3	830526.0	25	104.57	24.58	82.05	35.58	61.58	25.29
R15_07	20,43	Primary School at TM54 Site 4A (East)	Existing	Education Institution	815455.3	830526.0	30	104.08	24.38	82.03	35.57	61.56	25.28
R16_01	20,43	Block 1, Unicorn Garden	Existing	Residential	815565.3	830484.4	1.5	111.67	28.89	82.37	35.77	61.87	25.46
R16_02	20,43	Block 1, Unicorn Garden	Existing	Residential	815565.3	830484.4	5	109.46	27.98	82.31	35.74	61.81	25.43
R16_03	20,43	Block 1, Unicorn Garden	Existing	Residential	815565.3	830484.4	10	107.82	26.62	82.20	35.68	61.71	25.38
R17_01	20,43	House no. 199A, Kei Lun Wai	Existing	Residential	815626.6	830455.2	1.5	117.24	31.99	82.51	35.92	61.99	25.59
R17_02	20,43	House no. 199A, Kei Lun Wai	Existing	Residential	815626.6	830455.2	5	112.45	29.52	82.36	35.82	61.85	25.50
R17_03	20,43	House no. 199A, Kei Lun Wai	Existing	Residential	815626.6	830455.2	10	107.90	27.62	82.22	35.74	61.74	25.43

ASRs ID	PATH Grid	Description of ASRs	Existing/ Planned Uses	Nature of Use	ASR Coordinates		Flag Pole Receiver Height, mAG	Predicted Cumulative Impacts for Year 2033 (µg/m ³) (Without Development)					
								NO ₂		RSP		FSP	
					x Easting	y Northing		1-h (AQO=200) 19 th highest	Annual (AQO=40)	24-h (AQO=100) 10 th highest	Annual (AQO=50)	24-h (AQO=75) 10 th highest	Annual (AQO=35)
R18_01	20,43	House no. 199A, Kei Lun Wai	Existing	Residential	815620.9	830422.9	1.5	112.60	29.58	82.36	35.84	61.85	25.52
R18_02	20,43	House no. 199A, Kei Lun Wai	Existing	Residential	815620.9	830422.9	5	111.56	28.97	82.31	35.81	61.81	25.49
R18_03	20,43	House no. 199A, Kei Lun Wai	Existing	Residential	815620.9	830422.9	10	107.73	27.70	82.20	35.74	61.72	25.43
R19_01	20,43	House no. 39, Kei Lun Wai 2nd Lane	Existing	Residential	815609.3	830218.4	1.5	109.05	28.33	82.21	35.80	61.73	25.48
R19_02	20,43	House no. 39, Kei Lun Wai 2nd Lane	Existing	Residential	815609.3	830218.4	5	107.99	27.85	82.17	35.77	61.69	25.45
R19_03	20,43	House no. 39, Kei Lun Wai 2nd Lane	Existing	Residential	815609.3	830218.4	10	107.31	26.93	82.07	35.72	61.61	25.41
R20_01	20,43	Siu Yan House, Siu Hong Court	Existing	Residential	815666.0	830233.8	1.5	110.74	27.70	82.16	35.77	61.68	25.45
R20_02	20,43	Siu Yan House, Siu Hong Court	Existing	Residential	815666.0	830233.8	5	109.02	27.43	82.13	35.75	61.65	25.43
R20_03	20,43	Siu Yan House, Siu Hong Court	Existing	Residential	815666.0	830233.8	10	106.60	26.88	82.07	35.72	61.61	25.40
R20_04	20,43	Siu Yan House, Siu Hong Court	Existing	Residential	815666.0	830233.8	15	105.11	26.38	82.03	35.69	61.58	25.38
R20_05	20,43	Siu Yan House, Siu Hong Court	Existing	Residential	815666.0	830233.8	20	104.28	25.95	82.00	35.67	61.55	25.36
R20_06	20,43	Siu Yan House, Siu Hong Court	Existing	Residential	815666.0	830233.8	25	103.90	25.56	81.98	35.65	61.53	25.35
R20_07	20,43	Siu Yan House, Siu Hong Court	Existing	Residential	815666.0	830233.8	30	103.68	25.19	81.96	35.63	61.52	25.33
R20_08	20,43	Siu Yan House, Siu Hong Court	Existing	Residential	815666.0	830233.8	50	102.90	24.11	81.94	35.57	61.50	25.28
R20_09	20,43	Siu Yan House, Siu Hong Court	Existing	Residential	815666.0	830233.8	80	102.66	23.32	81.89	35.50	61.45	25.22
R20_10	20,43	Siu Yan House, Siu Hong Court	Existing	Residential	815666.0	830233.8	120	102.65	22.98	81.78	35.46	61.35	25.18
R21_01	20,43	Siu Wai House, Siu Hong Court	Existing	Residential	815783.3	830231.1	1.5	116.42	29.82	82.22	35.84	61.74	25.52
R21_02	20,43	Siu Wai House, Siu Hong Court	Existing	Residential	815783.3	830231.1	5	116.35	29.63	82.20	35.83	61.72	25.51
R21_03	20,43	Siu Wai House, Siu Hong Court	Existing	Residential	815783.3	830231.1	10	114.86	29.10	82.14	35.80	61.68	25.48
R21_04	20,43	Siu Wai House, Siu Hong Court	Existing	Residential	815783.3	830231.1	15	111.61	28.34	82.10	35.77	61.64	25.45
R21_05	20,43	Siu Wai House, Siu Hong Court	Existing	Residential	815783.3	830231.1	20	108.81	27.49	82.05	35.74	61.60	25.42
R21_06	20,43	Siu Wai House, Siu Hong Court	Existing	Residential	815783.3	830231.1	25	106.87	26.68	82.02	35.71	61.56	25.40
R21_07	20,43	Siu Wai House, Siu Hong Court	Existing	Residential	815783.3	830231.1	30	106.37	25.98	81.98	35.68	61.54	25.37
R21_08	20,43	Siu Wai House, Siu Hong Court	Existing	Residential	815783.3	830231.1	50	103.43	24.27	81.94	35.59	61.50	25.30
R21_09	20,43	Siu Wai House, Siu Hong Court	Existing	Residential	815783.3	830231.1	80	102.68	23.31	81.89	35.50	61.45	25.22
R21_10	20,43	Siu Wai House, Siu Hong Court	Existing	Residential	815783.3	830231.1	120	102.65	22.98	81.79	35.46	61.36	25.18
R22_01	20,43	Siu Shun House, Siu Hong Court	Existing	Residential	815679.9	830419.6	1.5	112.37	28.09	82.28	35.78	61.78	25.46
R22_02	20,43	Siu Shun House, Siu Hong Court	Existing	Residential	815679.9	830419.6	5	110.98	27.81	82.25	35.76	61.76	25.45
R22_03	20,43	Siu Shun House, Siu Hong Court	Existing	Residential	815679.9	830419.6	10	109.11	27.20	82.18	35.73	61.70	25.41
R22_04	20,43	Siu Shun House, Siu Hong Court	Existing	Residential	815679.9	830419.6	15	107.17	26.60	82.12	35.70	61.65	25.39
R22_05	20,43	Siu Shun House, Siu Hong Court	Existing	Residential	815679.9	830419.6	20	105.87	26.11	82.08	35.67	61.62	25.37
R22_06	20,43	Siu Shun House, Siu Hong Court	Existing	Residential	815679.9	830419.6	25	105.04	25.68	82.05	35.65	61.59	25.35
R22_07	20,43	Siu Shun House, Siu Hong Court	Existing	Residential	815679.9	830419.6	30	104.49	25.30	82.02	35.63	61.57	25.33
R22_08	20,43	Siu Shun House, Siu Hong Court	Existing	Residential	815679.9	830419.6	50	103.15	24.16	81.96	35.57	61.52	25.28
R22_09	20,43	Siu Shun House, Siu Hong Court	Existing	Residential	815679.9	830419.6	80	102.66	23.31	81.86	35.50	61.42	25.22
R22_10	20,43	Siu Shun House, Siu Hong Court	Existing	Residential	815679.9	830419.6	120	102.65	22.97	81.77	35.45	61.34	25.18
R23_01	20,43	Siu Ping House, Siu Hong Court	Existing	Residential	815846.3	830458.9	1.5	113.92	29.14	82.35	35.85	61.85	25.53
R23_02	20,43	Siu Ping House, Siu Hong Court	Existing	Residential	815846.3	830458.9	5	113.51	28.98	82.33	35.84	61.83	25.51
R23_03	20,43	Siu Ping House, Siu Hong Court	Existing	Residential	815846.3	830458.9	10	112.19	28.56	82.28	35.81	61.79	25.49
R23_04	20,43	Siu Ping House, Siu Hong Court	Existing	Residential	815846.3	830458.9	15	111.12	27.97	82.22	35.78	61.75	25.46
R23_05	20,43	Siu Ping House, Siu Hong Court	Existing	Residential	815846.3	830458.9	20	110.13	27.30	82.17	35.75	61.70	25.43
R23_06	20,43	Siu Ping House, Siu Hong Court	Existing	Residential	815846.3	830458.9	25	108.26	26.63	82.13	35.72	61.67	25.41
R23_07	20,43	Siu Ping House, Siu Hong Court	Existing	Residential	815846.3	830458.9	30	107.00	26.02	82.10	35.69	61.65	25.38
R23_08	20,43	Siu Ping House, Siu Hong Court	Existing	Residential	815846.3	830458.9	50	103.53	24.35	82.10	35.61	61.65	25.32
R23_09	20,43	Siu Ping House, Siu Hong Court	Existing	Residential	815846.3	830458.9	80	102.66	23.31	81.98	35.52	61.54	25.24
R23_10	20,43	Siu Ping House, Siu Hong Court	Existing	Residential	815846.3	830458.9	120	101.99	22.96	81.81	35.46	61.37	25.19
R24_01	20,43	Tuen Fu Road Community Garden	Existing	Recreational	815977.7	830250.0	1.5	125.50	29.71	82.32	35.90	61.82	25.57
R25_01	20,44	Siu Kei House, Siu Hong Court	Existing	Residential	815716.1	830536.4	1.5	109.26	27.84	85.03	36.23	63.85	25.79
R25_02	20,44	Siu Kei House, Siu Hong Court	Existing	Residential	815716.1	830536.4	5	108.98	27.54	85.01	36.21	63.83	25.77
R25_03	20,44	Siu Kei House, Siu Hong Court	Existing	Residential	815716.1	830536.4	10	108.26	26.70	85.01	36.17	63.81	25.73
R25_04	20,44	Siu Kei House, Siu Hong Court	Existing	Residential	815716.1	830536.4	15	105.54	26.02	85.00	36.13	63.78	25.70
R25_05	20,44	Siu Kei House, Siu Hong Court	Existing	Residential	815716.1	830536.4	20	103.64	25.47	84.97	36.10	63.76	25.67
R25_06	20,44	Siu Kei House, Siu Hong Court	Existing	Residential	815716.1	830536.4	25	103.30	25.00	84.94	36.08	63.73	25.65
R25_07	20,44	Siu Kei House, Siu Hong Court	Existing	Residential	815716.1	830536.4	30	103.07	24.60	84.90	36.06	63.70	25.64
R25_08	20,44	Siu Kei House, Siu Hong Court	Existing	Residential	815716.1	830536.4	50	101.44	23.48	84.70	35.99	63.56	25.58
R25_09	20,44	Siu Kei House, Siu Hong Court	Existing	Residential	815716.1	830536.4	80	101.32	22.65	84.44	35.91	63.37	25.52
R25_10	20,44	Siu Kei House, Siu Hong Court	Existing	Residential	815716.1	830536.4	120	100.31	22.32	84.28	35.88	63.22	25.48
R26_01	20,44	Siu Hong Football Field and Basketball Court	Existing	Recreational	815936.9	830613.1	1.5	114.17	29.77	85.31	36.37	64.10	25.91
R27_01	20,44	TWGHs Yau Tze Tin Memorial College - Basketball Court	Existing	Education Institution	815811.6	830680.0	1.5	110.80	29.55	85.16	36.31	63.97	25.86

ASRs ID	PATH Grid	Description of ASRs	Existing/ Planned Uses	Nature of Use	ASR Coordinates		Flag Pole Receiver Height, mAG	Predicted Cumulative Impacts for Year 2033 (µg/m ³) (Without Development)					
					x	y		NO ₂		RSP		FSP	
					Easting	Northing		1-h (AQO=200) 19 th highest	Annual (AQO=40)	24-h (AQO=100) 10 th highest	Annual (AQO=50)	24-h (AQO=75) 10 th highest	Annual (AQO=35)
R28_01	20,44	TWGHs Yau Tze Tin Memorial College	Existing	Education Institution	815779.2	830670.4	1.5	111.50	28.87	85.10	36.28	63.91	25.83
R28_02	20,44	TWGHs Yau Tze Tin Memorial College	Existing	Education Institution	815779.2	830670.4	5	109.75	28.37	85.07	36.25	63.88	25.80
R28_03	20,44	TWGHs Yau Tze Tin Memorial College	Existing	Education Institution	815779.2	830670.4	10	107.56	27.24	85.03	36.19	63.83	25.75
R28_04	20,44	TWGHs Yau Tze Tin Memorial College	Existing	Education Institution	815779.2	830670.4	15	104.82	26.20	84.97	36.14	63.77	25.71
R28_05	20,44	TWGHs Yau Tze Tin Memorial College	Existing	Education Institution	815779.2	830670.4	20	103.50	25.45	84.92	36.11	63.72	25.67
R28_06	20,44	TWGHs Yau Tze Tin Memorial College	Existing	Education Institution	815779.2	830670.4	25	103.24	24.91	84.87	36.08	63.69	25.65
R28_07	20,44	TWGHs Yau Tze Tin Memorial College	Existing	Education Institution	815779.2	830670.4	30	102.62	24.51	84.82	36.06	63.65	25.63
R29_01	20,44	Chun Tin House, Yan Tin Estate	Existing	Residential	815719.7	830734.3	1.5	113.24	27.68	85.04	36.22	63.86	25.78
R29_02	20,44	Chun Tin House, Yan Tin Estate	Existing	Residential	815719.7	830734.3	5	111.94	27.34	85.01	36.20	63.84	25.76
R29_03	20,44	Chun Tin House, Yan Tin Estate	Existing	Residential	815719.7	830734.3	10	109.77	26.53	84.95	36.15	63.78	25.72
R29_04	20,44	Chun Tin House, Yan Tin Estate	Existing	Residential	815719.7	830734.3	15	106.96	25.70	84.89	36.11	63.72	25.68
R29_05	20,44	Chun Tin House, Yan Tin Estate	Existing	Residential	815719.7	830734.3	20	105.25	25.07	84.84	36.08	63.68	25.65
R29_06	20,44	Chun Tin House, Yan Tin Estate	Existing	Residential	815719.7	830734.3	25	103.72	24.62	84.80	36.06	63.65	25.63
R29_07	20,44	Chun Tin House, Yan Tin Estate	Existing	Residential	815719.7	830734.3	30	103.29	24.28	84.76	36.04	63.62	25.62
R29_08	20,44	Chun Tin House, Yan Tin Estate	Existing	Residential	815719.7	830734.3	50	101.45	23.38	84.60	35.97	63.50	25.57
R29_09	20,44	Chun Tin House, Yan Tin Estate	Existing	Residential	815719.7	830734.3	80	100.34	22.66	84.37	35.91	63.31	25.51
R29_10	20,44	Chun Tin House, Yan Tin Estate	Existing	Residential	815719.7	830734.3	120	100.31	22.34	84.26	35.87	63.20	25.48
R30_01	20,44	Yuet Tin House, Yan Tin Estate	Existing	Residential	815643.3	830542.8	1.5	113.19	29.15	85.10	36.28	63.92	25.83
R30_02	20,44	Yuet Tin House, Yan Tin Estate	Existing	Residential	815643.3	830542.8	5	111.92	28.55	85.07	36.25	63.89	25.80
R30_03	20,44	Yuet Tin House, Yan Tin Estate	Existing	Residential	815643.3	830542.8	10	108.56	27.06	85.02	36.17	63.82	25.74
R30_04	20,44	Yuet Tin House, Yan Tin Estate	Existing	Residential	815643.3	830542.8	15	106.59	25.97	84.97	36.12	63.77	25.69
R30_05	20,44	Yuet Tin House, Yan Tin Estate	Existing	Residential	815643.3	830542.8	20	104.94	25.27	84.94	36.09	63.73	25.66
R30_06	20,44	Yuet Tin House, Yan Tin Estate	Existing	Residential	815643.3	830542.8	25	103.54	24.77	84.91	36.06	63.70	25.64
R30_07	20,44	Yuet Tin House, Yan Tin Estate	Existing	Residential	815643.3	830542.8	30	102.76	24.38	84.87	36.04	63.67	25.62
R30_08	20,44	Yuet Tin House, Yan Tin Estate	Existing	Residential	815643.3	830542.8	50	101.48	23.38	84.68	35.98	63.55	25.57
R30_09	20,44	Yuet Tin House, Yan Tin Estate	Existing	Residential	815643.3	830542.8	80	101.32	22.64	84.44	35.91	63.37	25.51
R30_10	20,44	Yuet Tin House, Yan Tin Estate	Existing	Residential	815643.3	830542.8	120	100.31	22.33	84.28	35.87	63.22	25.48
R31_01	20,44	Luk Tin House, Yan Tin Estate	Existing	Residential	815482.3	830572.4	1.5	107.52	25.95	84.88	36.11	63.72	25.68
R31_02	20,44	Luk Tin House, Yan Tin Estate	Existing	Residential	815482.3	830572.4	5	106.17	25.59	84.87	36.09	63.71	25.66
R31_03	20,44	Luk Tin House, Yan Tin Estate	Existing	Residential	815482.3	830572.4	10	103.65	24.98	84.88	36.06	63.70	25.64
R31_04	20,44	Luk Tin House, Yan Tin Estate	Existing	Residential	815482.3	830572.4	15	103.36	24.56	84.87	36.04	63.68	25.62
R31_05	20,44	Luk Tin House, Yan Tin Estate	Existing	Residential	815482.3	830572.4	20	103.28	24.28	84.85	36.03	63.66	25.61
R31_06	20,44	Luk Tin House, Yan Tin Estate	Existing	Residential	815482.3	830572.4	25	102.21	24.04	84.82	36.02	63.64	25.60
R31_07	20,44	Luk Tin House, Yan Tin Estate	Existing	Residential	815482.3	830572.4	30	101.86	23.83	84.79	36.00	63.61	25.59
R31_08	20,44	Luk Tin House, Yan Tin Estate	Existing	Residential	815482.3	830572.4	50	101.59	23.18	84.63	35.95	63.51	25.55
R31_09	20,44	Luk Tin House, Yan Tin Estate	Existing	Residential	815482.3	830572.4	80	100.35	22.62	84.41	35.90	63.34	25.50
R31_10	20,44	Luk Tin House, Yan Tin Estate	Existing	Residential	815482.3	830572.4	120	100.31	22.34	84.28	35.87	63.22	25.47
R32_01	20,44	House no. 19, Tsz Tin Tsuen	Existing	Residential	815420.1	830645.3	1.5	104.80	24.79	84.81	36.05	63.66	25.63
R32_02	20,44	House no. 19, Tsz Tin Tsuen	Existing	Residential	815420.1	830645.3	5	104.26	24.68	84.80	36.05	63.66	25.62
R32_03	20,44	House no. 19, Tsz Tin Tsuen	Existing	Residential	815420.1	830645.3	10	103.25	24.45	84.81	36.03	63.65	25.61
R33_01	20,44	House no. 80, Po Tong Ha	Existing	Residential	815030.5	830827.8	1.5	103.26	23.50	84.58	35.98	63.47	25.56
R33_02	20,44	House no. 80, Po Tong Ha	Existing	Residential	815030.5	830827.8	5	103.25	23.48	84.58	35.97	63.47	25.56
R33_03	20,44	House no. 80, Po Tong Ha	Existing	Residential	815030.5	830827.8	10	102.97	23.43	84.57	35.97	63.46	25.55
R34_01	20,44	House no. 175, Po Tong Ha	Existing	Residential	815136.5	830824.3	1.5	103.28	23.61	84.61	35.99	63.49	25.57
R34_02	20,44	House no. 175, Po Tong Ha	Existing	Residential	815136.5	830824.3	5	103.26	23.59	84.61	35.98	63.49	25.57
R34_03	20,44	House no. 175, Po Tong Ha	Existing	Residential	815136.5	830824.3	10	103.04	23.53	84.60	35.98	63.48	25.56
R35_01	20,44	House no. 136, Tsz Tin Tsuen	Existing	Residential	815266.4	830949.9	1.5	103.32	23.81	84.62	36.00	63.50	25.58
R35_02	20,44	House no. 136, Tsz Tin Tsuen	Existing	Residential	815266.4	830949.9	5	103.26	23.76	84.61	35.99	63.49	25.58
R35_03	20,44	House no. 136, Tsz Tin Tsuen	Existing	Residential	815266.4	830949.9	10	103.22	23.65	84.59	35.98	63.48	25.57
R36_01	20,44	House no. 285, Tsz Tin Tsuen	Existing	Residential	815362.0	830972.6	1.5	103.53	24.01	84.64	36.01	63.52	25.59
R36_02	20,44	House no. 285, Tsz Tin Tsuen	Existing	Residential	815362.0	830972.6	5	103.10	23.93	84.63	36.01	63.51	25.59
R36_03	20,44	House no. 285, Tsz Tin Tsuen	Existing	Residential	815362.0	830972.6	10	102.98	23.78	84.61	36.00	63.50	25.58
R37_01	20,44	House no. 272, Tsz Tin Tsuen	Existing	Residential	815512.5	830996.0	1.5	103.21	24.42	84.70	36.04	63.56	25.62
R37_02	20,44	House no. 272, Tsz Tin Tsuen	Existing	Residential	815512.5	830996.0	5	103.03	24.26	84.68	36.03	63.55	25.61
R37_03	20,44	House no. 272, Tsz Tin Tsuen	Existing	Residential	815512.5	830996.0	10	102.21	24.06	84.65	36.02	63.53	25.60
R38_01	20,44	Village House near Realigned Hong Po Road	Existing	Residential	815638.3	830889.6	1.5	104.82	25.32	84.82	36.09	63.66	25.66
R38_02	20,44	Village House near Realigned Hong Po Road	Existing	Residential	815638.3	830889.6	5	104.70	25.02	84.79	36.08	63.64	25.65
R38_03	20,44	Village House near Realigned Hong Po Road	Existing	Residential	815638.3	830889.6	10	104.08	24.75	84.76	36.06	63.62	25.63
R39_01	20,44	Village House near Villa Pinada	Existing	Residential	815005.0	831370.8	1.5	102.87	23.14	84.51	35.96	63.40	25.55
R39_02	20,44	Village House near Villa Pinada	Existing	Residential	815005.0	831370.8	5	102.85	23.13	84.50	35.95	63.40	25.54
R39_03	20,44	Village House near Villa Pinada	Existing	Residential	815005.0	831370.8	10	102.83	23.10	84.50	35.95	63.40	25.54

ASRs ID	PATH Grid	Description of ASRs	Existing/ Planned Uses	Nature of Use	ASR Coordinates		Flag Pole Receiver Height, mAG	Predicted Cumulative Impacts for Year 2033 (µg/m3) (Without Development)					
					x	y		NO ₂		RSP		FSP	
					Easting	Northing		1-h (AQO=200) 19 th highest	Annual (AQO=40)	24-h (AQO=100) 10 th highest	Annual (AQO=50)	24-h (AQO=75) 10 th highest	Annual (AQO=35)
R40_01	20,44	Village House near Villa Pinada	Existing	Residential	815094.2	831279.4	1.5	102.89	23.28	84.53	35.97	63.42	25.55
R40_02	20,44	Village House near Villa Pinada	Existing	Residential	815094.2	831279.4	5	102.86	23.26	84.52	35.96	63.41	25.55
R40_03	20,44	Village House near Villa Pinada	Existing	Residential	815094.2	831279.4	10	102.83	23.22	84.51	35.96	63.41	25.55
R41_01	20,44	Village House near Villa Pinada	Existing	Residential	815221.0	831203.7	1.5	102.76	23.43	84.56	35.98	63.44	25.56
R41_02	20,44	Village House near Villa Pinada	Existing	Residential	815221.0	831203.7	5	102.72	23.40	84.55	35.98	63.44	25.56
R41_03	20,44	Village House near Villa Pinada	Existing	Residential	815221.0	831203.7	10	102.63	23.36	84.54	35.97	63.44	25.56
R42_01	20,44	Village House near Villa Pinada	Existing	Residential	815264.5	831140.4	1.5	102.92	23.54	84.58	35.99	63.46	25.57
R42_02	20,44	Village House near Villa Pinada	Existing	Residential	815264.5	831140.4	5	102.89	23.51	84.57	35.98	63.46	25.57
R42_03	20,44	Village House near Villa Pinada	Existing	Residential	815264.5	831140.4	10	102.85	23.46	84.56	35.98	63.45	25.56
R43_01	20,44	Village House near Realigned Hong Po Road	Existing	Residential	815297.7	831101.3	1.5	102.93	23.63	84.60	35.99	63.48	25.58
R43_02	20,44	Village House near Realigned Hong Po Road	Existing	Residential	815297.7	831101.3	5	102.90	23.61	84.59	35.99	63.47	25.57
R43_03	20,44	Village House near Realigned Hong Po Road	Existing	Residential	815297.7	831101.3	10	102.86	23.54	84.57	35.98	63.47	25.57
R44_01	20,44	Village House near Realigned Hong Po Road	Existing	Residential	815344.9	831073.4	1.5	102.92	23.76	84.61	36.00	63.49	25.58
R44_02	20,44	Village House near Realigned Hong Po Road	Existing	Residential	815344.9	831073.4	5	102.84	23.73	84.61	36.00	63.49	25.58
R44_03	20,44	Village House near Realigned Hong Po Road	Existing	Residential	815344.9	831073.4	10	102.57	23.65	84.59	35.99	63.48	25.57
R45_01	20,44	House no. 157, Villa Pinada	Existing	Residential	815382.8	831173.7	1.5	102.56	23.64	84.59	36.00	63.47	25.58
R45_02	20,44	House no. 157, Villa Pinada	Existing	Residential	815382.8	831173.7	5	102.52	23.61	84.59	35.99	63.47	25.58
R45_03	20,44	House no. 157, Villa Pinada	Existing	Residential	815382.8	831173.7	10	102.35	23.57	84.58	35.99	63.47	25.57
R46_01	20,44	House no. 139, Villa Pinada	Existing	Residential	815304.0	831239.7	1.5	102.89	23.46	84.56	35.99	63.45	25.57
R46_02	20,44	House no. 139, Villa Pinada	Existing	Residential	815304.0	831239.7	5	102.85	23.44	84.56	35.98	63.45	25.57
R46_03	20,44	House no. 139, Villa Pinada	Existing	Residential	815304.0	831239.7	10	102.79	23.40	84.55	35.98	63.44	25.56
R47_01	20,44	House no. 136, Villa Pinada	Existing	Residential	815300.7	831291.9	1.5	102.71	23.41	84.56	35.98	63.44	25.57
R47_02	20,44	House no. 136, Villa Pinada	Existing	Residential	815300.7	831291.9	5	102.69	23.39	84.56	35.98	63.44	25.56
R47_03	20,44	House no. 136, Villa Pinada	Existing	Residential	815300.7	831291.9	10	102.64	23.35	84.55	35.97	63.44	25.56
R48_01	20,44	House no. 113, Villa Pinada	Existing	Residential	815387.5	831321.6	1.5	102.39	23.48	84.58	35.99	63.46	25.57
R48_02	20,44	House no. 113, Villa Pinada	Existing	Residential	815387.5	831321.6	5	102.36	23.46	84.57	35.99	63.46	25.57
R48_03	20,44	House no. 113, Villa Pinada	Existing	Residential	815387.5	831321.6	10	102.25	23.42	84.56	35.98	63.45	25.56
R49_01	20,44	Village House near Villa Pinada	Existing	Residential	815471.7	831343.7	1.5	101.92	23.56	84.59	36.00	63.47	25.58
R49_02	20,44	Village House near Villa Pinada	Existing	Residential	815471.7	831343.7	5	101.90	23.54	84.59	36.00	63.47	25.58
R49_03	20,44	Village House near Villa Pinada	Existing	Residential	815471.7	831343.7	10	101.81	23.50	84.58	35.99	63.47	25.57
R50_01	20,44	Ng Lau Ah Wui Sitting Out Area	Existing	Recreational	815639.0	831275.6	1.5	103.13	23.91	84.65	36.03	63.51	25.61
R50_02	20,44	Ng Lau Ah Wui Sitting Out Area	Existing	Recreational	815639.0	831275.6	5	103.10	23.88	84.64	36.03	63.51	25.60
R50_03	20,44	Ng Lau Ah Wui Sitting Out Area	Existing	Recreational	815639.0	831275.6	10	103.07	23.83	84.64	36.02	63.51	25.60
R51_01	20,44	Village House near San Hing Tsuen	Existing	Residential	815720.4	831226.9	1.5	103.41	24.18	84.69	36.05	63.55	25.63
R51_02	20,44	Village House near San Hing Tsuen	Existing	Residential	815720.4	831226.9	5	103.39	24.15	84.68	36.05	63.54	25.62
R51_03	20,44	Village House near San Hing Tsuen	Existing	Residential	815720.4	831226.9	10	103.29	24.08	84.67	36.04	63.54	25.61
R52_01	20,44	House no. 255, San Hing Tsuen	Existing	Residential	815797.7	831172.6	1.5	105.33	24.55	84.74	36.08	63.59	25.65
R52_02	20,44	House no. 255, San Hing Tsuen	Existing	Residential	815797.7	831172.6	5	105.16	24.51	84.74	36.07	63.59	25.64
R52_03	20,44	House no. 255, San Hing Tsuen	Existing	Residential	815797.7	831172.6	10	105.15	24.42	84.72	36.06	63.58	25.63
R53_01	20,44	House no. 240, San Hing Tsuen	Existing	Residential	815791.0	831073.9	1.5	105.58	24.90	84.76	36.09	63.61	25.66
R53_02	20,44	House no. 240, San Hing Tsuen	Existing	Residential	815791.0	831073.9	5	105.37	24.84	84.75	36.09	63.60	25.66
R53_03	20,44	House no. 240, San Hing Tsuen	Existing	Residential	815791.0	831073.9	10	105.31	24.73	84.73	36.07	63.59	25.65
R54_01	20,44	House no. 99, San Hing Tsuen	Existing	Residential	815889.4	830959.8	1.5	108.23	25.93	84.86	36.16	63.69	25.72
R54_02	20,44	House no. 99, San Hing Tsuen	Existing	Residential	815889.4	830959.8	5	108.02	25.84	84.85	36.15	63.68	25.71
R54_03	20,44	House no. 99, San Hing Tsuen	Existing	Residential	815889.4	830959.8	10	107.39	25.64	84.82	36.13	63.66	25.70
R55_01	21,43	Block 9, Parkland Villas	Existing	Residential	816009.5	830186.3	1.5	108.60	24.78	84.11	37.01	63.13	26.32
R55_02	21,43	Block 9, Parkland Villas	Existing	Residential	816009.5	830186.3	5	108.51	24.67	84.10	37.00	63.11	26.31
R55_03	21,43	Block 9, Parkland Villas	Existing	Residential	816009.5	830186.3	10	108.42	24.43	84.07	36.98	63.10	26.29
R55_04	21,43	Block 9, Parkland Villas	Existing	Residential	816009.5	830186.3	15	107.94	24.14	84.04	36.96	63.08	26.27
R55_05	21,43	Block 9, Parkland Villas	Existing	Residential	816009.5	830186.3	20	105.79	23.84	84.02	36.94	63.06	26.26
R55_06	21,43	Block 9, Parkland Villas	Existing	Residential	816009.5	830186.3	25	103.89	23.56	84.00	36.91	63.05	26.25
R55_07	21,43	Block 9, Parkland Villas	Existing	Residential	816009.5	830186.3	30	102.20	23.32	83.98	36.89	63.03	26.23
R55_08	21,43	Block 9, Parkland Villas	Existing	Residential	816009.5	830186.3	50	99.93	22.55	83.93	36.77	62.99	26.16
R55_09	21,43	Block 9, Parkland Villas	Existing	Residential	816009.5	830186.3	80	97.50	21.73	83.84	36.63	62.91	26.02
R55_10	21,43	Block 9, Parkland Villas	Existing	Residential	816009.5	830186.3	120	96.98	21.47	83.76	36.59	62.83	25.98

ASRs ID	PATH Grid	Description of ASRs	Existing/ Planned Uses	Nature of Use	ASR Coordinates		Flag Pole Receiver Height, mAG	Predicted Cumulative Impacts for Year 2033 (µg/m3) (Without Development)					
					x	y		NO ₂		RSP		FSP	
					Easting	Northing		1-h (AQO=200) 19 th highest	Annual (AQO=40)	24-h (AQO=100) 10 th highest	Annual (AQO=50)	24-h (AQO=75) 10 th highest	Annual (AQO=35)
R56_01	21,43	Hing Tak School	Existing	Education Institution	816181.6	830201.1	1.5	105.37	24.59	84.13	37.05	63.14	26.34
R56_02	21,43	Hing Tak School	Existing	Education Institution	816181.6	830201.1	5	105.26	24.37	84.10	37.03	63.11	26.32
R56_03	21,43	Hing Tak School	Existing	Education Institution	816181.6	830201.1	10	104.06	23.96	84.03	37.00	63.07	26.30
R56_04	21,43	Hing Tak School	Existing	Education Institution	816181.6	830201.1	15	103.96	23.59	83.99	36.97	63.03	26.28
R56_05	21,43	Hing Tak School	Existing	Education Institution	816181.6	830201.1	20	103.91	23.34	83.96	36.95	63.01	26.26
R56_06	21,43	Hing Tak School	Existing	Education Institution	816181.6	830201.1	25	103.57	23.18	83.94	36.93	63.00	26.26
R56_07	21,43	Hing Tak School	Existing	Education Institution	816181.6	830201.1	30	102.92	23.06	83.92	36.90	62.98	26.25
R57_01	21,43	Simon and Eleanor Kwok Building, Lingnan University	Existing	Education Institution	816255.6	830329.9	1.5	113.23	26.69	84.20	37.14	63.19	26.41
R57_02	21,43	Simon and Eleanor Kwok Building, Lingnan University	Existing	Education Institution	816255.6	830329.9	5	109.74	25.73	84.18	37.09	63.16	26.37
R57_03	21,43	Simon and Eleanor Kwok Building, Lingnan University	Existing	Education Institution	816255.6	830329.9	10	106.75	24.30	84.14	37.04	63.13	26.32
R57_04	21,43	Simon and Eleanor Kwok Building, Lingnan University	Existing	Education Institution	816255.6	830329.9	15	106.09	23.61	84.10	37.00	63.11	26.30
R57_05	21,43	Simon and Eleanor Kwok Building, Lingnan University	Existing	Education Institution	816255.6	830329.9	20	103.96	23.34	84.08	36.98	63.10	26.29
R57_06	21,43	Simon and Eleanor Kwok Building, Lingnan University	Existing	Education Institution	816255.6	830329.9	25	103.91	23.22	84.06	36.96	63.09	26.28
R57_07	21,43	Simon and Eleanor Kwok Building, Lingnan University	Existing	Education Institution	816255.6	830329.9	30	103.19	23.13	84.05	36.94	63.09	26.27
R57_08	21,43	Simon and Eleanor Kwok Building, Lingnan University	Existing	Education Institution	816255.6	830329.9	50	101.16	22.63	83.99	36.81	63.06	26.19
R57_09	21,43	Simon and Eleanor Kwok Building, Lingnan University	Existing	Education Institution	816255.6	830329.9	80	98.95	21.71	83.81	36.63	62.87	26.02
R57_10	21,43	Simon and Eleanor Kwok Building, Lingnan University	Existing	Education Institution	816255.6	830329.9	120	97.06	21.47	83.74	36.59	62.81	25.98
R58_01	21,43	Lingnan University Multi Purpose Outdoor Sports Ground	Existing	Education Institution	816204.2	830393.4	1.5	108.54	26.37	84.35	37.15	63.30	26.43
R59_01	21,43	Kwan Tai House, Fu Tai Estate	Existing	Residential	816265.8	830505.7	1.5	111.26	25.37	84.34	37.13	63.26	26.39
R59_02	21,43	Kwan Tai House, Fu Tai Estate	Existing	Residential	816265.8	830505.7	5	111.00	25.12	84.33	37.10	63.25	26.37
R59_03	21,43	Kwan Tai House, Fu Tai Estate	Existing	Residential	816265.8	830505.7	10	108.20	24.65	84.39	37.08	63.27	26.35
R59_04	21,43	Kwan Tai House, Fu Tai Estate	Existing	Residential	816265.8	830505.7	15	107.15	24.26	84.41	37.05	63.27	26.33
R59_05	21,43	Kwan Tai House, Fu Tai Estate	Existing	Residential	816265.8	830505.7	20	106.27	23.95	84.41	37.02	63.26	26.31
R59_06	21,43	Kwan Tai House, Fu Tai Estate	Existing	Residential	816265.8	830505.7	25	105.05	23.69	84.38	36.99	63.25	26.30
R59_07	21,43	Kwan Tai House, Fu Tai Estate	Existing	Residential	816265.8	830505.7	30	104.07	23.48	84.34	36.96	63.24	26.29
R59_08	21,43	Kwan Tai House, Fu Tai Estate	Existing	Residential	816265.8	830505.7	50	101.44	22.68	84.13	36.82	63.16	26.20
R59_09	21,43	Kwan Tai House, Fu Tai Estate	Existing	Residential	816265.8	830505.7	80	99.63	21.71	83.79	36.63	62.85	26.03
R59_10	21,43	Kwan Tai House, Fu Tai Estate	Existing	Residential	816265.8	830505.7	120	97.18	21.46	83.74	36.59	62.81	25.98
R60_01	21,44	Block 6, 18 Rosewood	Existing	Residential	816111.4	830540.8	1.5	126.22	31.37	82.91	36.55	62.24	26.06
R60_02	21,44	Block 6, 18 Rosewood	Existing	Residential	816111.4	830540.8	5	123.82	29.84	82.79	36.47	62.13	25.98
R60_03	21,44	Block 6, 18 Rosewood	Existing	Residential	816111.4	830540.8	10	117.13	27.93	82.63	36.37	62.01	25.89
R61_01	21,44	Block 10, 18 Rosewood	Existing	Residential	816154.8	830576.2	1.5	124.34	30.88	82.85	36.54	62.18	26.05
R61_02	21,44	Block 10, 18 Rosewood	Existing	Residential	816154.8	830576.2	5	122.72	29.68	82.77	36.47	62.11	25.98
R61_03	21,44	Block 10, 18 Rosewood	Existing	Residential	816154.8	830576.2	10	116.30	27.98	82.62	36.39	62.00	25.90
R62_01	21,44	House no. 60, To Yuen Wai	Existing	Residential	816321.1	830730.3	1.5	118.10	27.77	82.84	36.44	62.05	25.94
R62_02	21,44	House no. 60, To Yuen Wai	Existing	Residential	816321.1	830730.3	5	116.57	27.29	82.81	36.40	62.04	25.90
R62_03	21,44	House no. 60, To Yuen Wai	Existing	Residential	816321.1	830730.3	10	113.32	26.25	82.71	36.34	62.06	25.85
R63_01	21,44	House no. 75, To Yuen Wai	Existing	Residential	816199.3	830761.7	1.5	122.00	29.14	82.86	36.48	62.08	25.99
R63_02	21,44	House no. 75, To Yuen Wai	Existing	Residential	816199.3	830761.7	5	119.68	28.33	82.84	36.43	62.07	25.94
R63_03	21,44	House no. 75, To Yuen Wai	Existing	Residential	816199.3	830761.7	10	114.33	26.92	82.82	36.36	62.11	25.88
R64_01	21,44	House no. 37, San Hing Tsuen	Existing	Residential	816026.7	830878.3	1.5	113.23	28.15	83.02	36.34	62.20	25.87
R64_02	21,44	House no. 37, San Hing Tsuen	Existing	Residential	816026.7	830878.3	5	111.93	27.65	82.99	36.31	62.17	25.85
R64_03	21,44	House no. 37, San Hing Tsuen	Existing	Residential	816026.7	830878.3	10	109.72	26.64	82.94	36.27	62.23	25.81
R65_01	21,44	House no. 120, Opulent Villa	Existing	Residential	816222.8	830927.4	1.5	117.63	26.80	83.10	36.32	62.16	25.83
R65_02	21,44	House no. 120, Opulent Villa	Existing	Residential	816222.8	830927.4	5	116.15	26.57	83.11	36.30	62.16	25.81
R65_03	21,44	House no. 120, Opulent Villa	Existing	Residential	816222.8	830927.4	10	112.05	26.15	83.17	36.31	62.28	25.81
R66_01	21,44	Block 1, E Lu	Existing	Residential	816281.5	831059.3	1.5	117.44	26.66	82.69	36.37	61.88	25.88
R66_02	21,44	Block 1, E Lu	Existing	Residential	816281.5	831059.3	5	113.55	25.97	82.66	36.32	61.85	25.84
R66_03	21,44	Block 1, E Lu	Existing	Residential	816281.5	831059.3	10	108.82	24.99	82.65	36.27	61.85	25.79
R67_01	21,44	Block A, Lingrade Garden	Existing	Residential	816206.7	831111.8	1.5	112.19	26.61	82.51	36.34	61.79	25.86
R67_02	21,44	Block A, Lingrade Garden	Existing	Residential	816206.7	831111.8	5	111.81	26.35	82.48	36.31	61.77	25.84
R67_03	21,44	Block A, Lingrade Garden	Existing	Residential	816206.7	831111.8	10	110.74	25.71	82.42	36.27	61.73	25.80

ASRs ID	PATH Grid	Description of ASRs	Existing/ Planned Uses	Nature of Use	ASR Coordinates		Flag Pole Receiver Height, mAG	Predicted Cumulative Impacts for Year 2033 (µg/m3) (Without Development)					
					x	y		NO ₂		RSP		FSP	
					Easting	Northing		1-h (AQO=200) 19 th highest	Annual (AQO=40)	24-h (AQO=100) 10 th highest	Annual (AQO=50)	24-h (AQO=75) 10 th highest	Annual (AQO=35)
R68_01	19,43	Tower 2, Goodrich Garden	Existing	Residential	814726.4	829874.6	1.5	108.73	26.51	86.70	36.62	65.06	26.03
R68_02	19,43	Tower 2, Goodrich Garden	Existing	Residential	814726.4	829874.6	5	108.62	26.36	86.69	36.61	65.05	26.02
R68_03	19,43	Tower 2, Goodrich Garden	Existing	Residential	814726.4	829874.6	10	108.32	26.00	86.66	36.59	65.03	26.01
R68_04	19,43	Tower 2, Goodrich Garden	Existing	Residential	814726.4	829874.6	15	107.90	25.64	86.64	36.57	65.00	25.99
R68_05	19,43	Tower 2, Goodrich Garden	Existing	Residential	814726.4	829874.6	20	107.40	25.32	86.62	36.55	64.99	25.97
R68_06	19,43	Tower 2, Goodrich Garden	Existing	Residential	814726.4	829874.6	25	106.88	25.06	86.60	36.54	64.97	25.96
R68_07	19,43	Tower 2, Goodrich Garden	Existing	Residential	814726.4	829874.6	30	106.40	24.85	86.59	36.53	64.96	25.95
R68_08	19,43	Tower 2, Goodrich Garden	Existing	Residential	814726.4	829874.6	50	105.12	24.33	86.56	36.50	64.93	25.92
R68_09	19,43	Tower 2, Goodrich Garden	Existing	Residential	814726.4	829874.6	80	105.02	24.02	86.54	36.47	64.91	25.90
R68_10	19,43	Tower 2, Goodrich Garden	Existing	Residential	814726.4	829874.6	120	105.02	23.87	86.52	36.45	64.89	25.88
R69_01	19,43	Eight Regency	Existing	Residential	814715.5	829843.9	1.5	109.55	26.68	86.70	36.63	65.06	26.04
R69_02	19,43	Eight Regency	Existing	Residential	814715.5	829843.9	5	109.38	26.46	86.69	36.62	65.05	26.03
R69_03	19,43	Eight Regency	Existing	Residential	814715.5	829843.9	10	108.94	26.02	86.66	36.59	65.02	26.01
R69_04	19,43	Eight Regency	Existing	Residential	814715.5	829843.9	15	108.60	25.63	86.63	36.57	65.00	25.99
R69_05	19,43	Eight Regency	Existing	Residential	814715.5	829843.9	20	108.26	25.32	86.61	36.55	64.98	25.97
R69_06	19,43	Eight Regency	Existing	Residential	814715.5	829843.9	25	107.02	25.06	86.60	36.54	64.97	25.96
R69_07	19,43	Eight Regency	Existing	Residential	814715.5	829843.9	30	106.45	24.85	86.59	36.53	64.96	25.95
R69_08	19,43	Eight Regency	Existing	Residential	814715.5	829843.9	50	105.06	24.33	86.56	36.50	64.93	25.92
R69_09	19,43	Eight Regency	Existing	Residential	814715.5	829843.9	80	105.02	24.02	86.54	36.47	64.91	25.90
R69_10	19,43	Eight Regency	Existing	Residential	814715.5	829843.9	120	105.02	23.87	86.52	36.45	64.89	25.88
R70_01	19,43	Siu Pong Court, Tin King Estate	Existing	Residential	814625.4	829785.3	1.5	111.48	28.10	86.77	36.69	65.13	26.10
R70_02	19,43	Siu Pong Court, Tin King Estate	Existing	Residential	814625.4	829785.3	5	111.29	27.57	86.74	36.66	65.10	26.07
R70_03	19,43	Siu Pong Court, Tin King Estate	Existing	Residential	814625.4	829785.3	10	110.36	26.61	86.67	36.61	65.04	26.02
R70_04	19,43	Siu Pong Court, Tin King Estate	Existing	Residential	814625.4	829785.3	15	108.75	25.94	86.63	36.58	65.00	25.99
R70_05	19,43	Siu Pong Court, Tin King Estate	Existing	Residential	814625.4	829785.3	20	108.45	25.49	86.61	36.56	64.98	25.97
R70_06	19,43	Siu Pong Court, Tin King Estate	Existing	Residential	814625.4	829785.3	25	107.54	25.17	86.60	36.54	64.97	25.96
R70_07	19,43	Siu Pong Court, Tin King Estate	Existing	Residential	814625.4	829785.3	30	106.78	24.91	86.58	36.53	64.96	25.95
R70_08	19,43	Siu Pong Court, Tin King Estate	Existing	Residential	814625.4	829785.3	50	105.21	24.33	86.56	36.50	64.93	25.92
R70_09	19,43	Siu Pong Court, Tin King Estate	Existing	Residential	814625.4	829785.3	80	105.02	24.01	86.53	36.47	64.91	25.90
R70_10	19,43	Siu Pong Court, Tin King Estate	Existing	Residential	814625.4	829785.3	120	105.02	23.87	86.52	36.45	64.89	25.88
R71_01	19,43	Siu Pong Court, Tin King Estate	Existing	Residential	814640.4	829746.5	1.5	111.38	27.81	86.73	36.67	65.09	26.08
R71_02	19,43	Siu Pong Court, Tin King Estate	Existing	Residential	814640.4	829746.5	5	111.13	27.42	86.70	36.65	65.06	26.06
R71_03	19,43	Siu Pong Court, Tin King Estate	Existing	Residential	814640.4	829746.5	10	110.02	26.63	86.66	36.61	65.02	26.02
R71_04	19,43	Siu Pong Court, Tin King Estate	Existing	Residential	814640.4	829746.5	15	109.34	25.97	86.63	36.58	65.00	26.00
R71_05	19,43	Siu Pong Court, Tin King Estate	Existing	Residential	814640.4	829746.5	20	108.39	25.51	86.61	36.56	64.98	25.98
R71_06	19,43	Siu Pong Court, Tin King Estate	Existing	Residential	814640.4	829746.5	25	107.45	25.17	86.60	36.54	64.96	25.96
R71_07	19,43	Siu Pong Court, Tin King Estate	Existing	Residential	814640.4	829746.5	30	106.68	24.91	86.58	36.53	64.96	25.95
R71_08	19,43	Siu Pong Court, Tin King Estate	Existing	Residential	814640.4	829746.5	50	105.11	24.32	86.55	36.50	64.93	25.92
R71_09	19,43	Siu Pong Court, Tin King Estate	Existing	Residential	814640.4	829746.5	80	105.02	24.01	86.53	36.47	64.91	25.90
R71_10	19,43	Siu Pong Court, Tin King Estate	Existing	Residential	814640.4	829746.5	120	105.02	23.87	86.52	36.45	64.89	25.88
R72_01	19,43	Fung Shan Temple	Existing	Religious Institution	814852.5	830470.4	1.5	110.10	25.99	86.69	36.59	65.04	26.01
R72_02	19,43	Fung Shan Temple	Existing	Religious Institution	814852.5	830470.4	5	109.77	25.69	86.68	36.58	65.04	25.99