

**Annex A11-1 - Detailed Model Results & No. of Instances having Exceedance  
(After Rephasing)**

**PART A --- PREDICTED 5-SECOND ODOUR RESULTS**

**Source Height at 10m above ground**

ASR	Name	Approx. Maximum Height of Building (m)	Worst Case 3	
			Maximum 5-second Odour Levels	
			1.5m above ground	
			w/o rephasing	w/ rephasing
A1-1	Proposed C&DM Handling Facility	30	3.2	3.2
A1-2 (1)	Planned Industrial Uses in TKO 137 (south of Extension) - 1	30	1.9	1.2
A1-2 (2)	Planned Industrial Uses in TKO 137 (south of Extension) - 2 (outside 200m HKPSG buffer distance)	30	1.3	1.3
A1-3 (1)	Planned Industrial Uses in TKO 137 (south of TVB City) - 1	30	23.2	19.3
A1-3 (2)	Planned Industrial Uses in TKO 137 (south of TVB City) - 2 (outside 200m HKPSG buffer distance)	30	11.4	5.6
A2	TVB City	30	12.5	8.9
A3	HAESL	30	3.3	3.3
A4	HAECO Component Overhaul Building	30	2.4	2.4
A5	Exhibition Services & Logistics Centre	30	1.7	1.3
A6	Gammon Skanska	30	1.2	1.2
A7	Yan Hing Machinery Industrial Building	30	2.7	2.7
A8	Apple Daily	30	1.9	1.9
A9	Mei Ah Industrial Building	30	2.4	2.4
A10	Asia Netcom	30	1.8	1.8
A11	Wellcome Storage	30	1.9	1.9
A12	Avery Dennison Machinery	30	1.5	1.5
A13	Hitachi	30	1.4	1.4
A14	Next Media Co. Ltd	30	1.2	1.2
A15	Varitronix	30	0.9	0.9
A16	Four Seas Food Processing Co. Ltd	30	0.9	0.9
A17	Committed HSBC Office	30	0.8	0.8
A18	Eastern Pacific Electronics	30	0.7	0.7
A19	Committed Tung Wah Group of Hospital Aided Primary & Secondary School	30	0.6	0.6
A20	LOHAS Park	200	0.5	0.5
A21	Chiaphua-Shinko Centre	30	0.4	0.4
A22	Shaw Film Studios	30	0.4	0.4
A23	Oscar by the Sea	170	0.2	0.2
A24	Tseung Kwan O Sport Ground	1.5	0.2	0.2
A25	Tseung Kwan O Town Park	1.5	0.1	0.1
A26	Leung Sing Tak Primary School	20	0.2	0.2
A27	Nan Fung Plaza	130	0.2	0.2
A28	St Andrew's Church	20	0.2	0.2
A29	Fung Ching Memorial Primary School	20	0.2	0.2
A30	On Ning Garden	120	0.2	0.2
A31	Sheung Ning Playground	1.5	0.1	0.1
A32	Tseung Kwan O Swimming Pool	1.5	0.1	0.1
A33	La Cite Noble	140	0.2	0.2
A34	Yuk Ming Court	110	0.2	0.2
A35	Ming Tak Estate	110	0.2	0.2
A36	Tin Ha Wan Village	10	0.2	0.2
A37	Tseung Kwan O Hospital	25	0.2	0.2
A38	Ocean Shore Phase I	160	0.2	0.2
A39	Choi Ming Estate, Choi Yiu Court	155	0.2	0.1
A40	Park Central Block 1	185	0.2	0.2
A41	Bauhinia Garden Block 5	165	0.2	0.2
A42	Heng Fa Chuen, Block 50	70	0.2	0.2
A43	Island Resort, Block 7	160	0.2	0.2

**Source Height at 30m above ground**

ASR	Name	Approx. Maximum Height of Building (m)	Worst Case 3	
			Maximum 5-second Odour Levels	
			1.5m above ground	
			w/o rephasing	w/ rephasing
A1-1	Proposed C&DM Handling Facility	30	2.2	2.2
A1-2 (1)	Planned Industrial Uses in TKO 137 (south of Extension) - 1	30	1.9	1.9
A1-2 (2)	Planned Industrial Uses in TKO 137 (south of Extension) - 2 (outside 200m HKPSG buffer distance)	30	1.6	1.6
A1-3 (1)	Planned Industrial Uses in TKO 137 (south of TVB City) - 1	30	14.4	14.4
A1-3 (2)	Planned Industrial Uses in TKO 137 (south of TVB City) - 2 (outside 200m HKPSG buffer distance)	30	7.3	7.3
A2	TVB City	30	13.1	9.5
A3	HAESL	30	4.2	4.2
A4	HAECO Component Overhaul Building	30	2.8	2.8
A5	Exhibition Services & Logistics Centre	30	1.8	1.8
A6	Gammon Skanska	30	1.6	1.1
A7	Yan Hing Machinery Industrial Building	30	3.3	3.3
A8	Apple Daily	30	2.4	2.4
A9	Mei Ah Industrial Building	30	2.1	2.1
A10	Asia Netcom	30	1.7	1.7
A11	Wellcome Storage	30	2.2	2.2
A12	Avery Dennison Machinery	30	1.7	1.7
A13	Hitachi	30	1.7	1.7
A14	Next Media Co. Ltd	30	1.3	1.3
A15	Varitronix	30	1.2	1.2
A16	Four Seas Food Processing Co. Ltd	30	0.9	0.9
A17	Committed HSBC Office	30	1.0	1.0
A18	Eastern Pacific Electronics	30	0.7	0.7
A19	Committed Tung Wah Group of Hospital Aided Primary & Secondary School	30	0.7	0.7
A20	LOHAS Park	200	0.4	0.4
A21	Chiaphua-Shinko Centre	30	0.4	0.4
A22	Shaw Film Studios	30	0.4	0.4
A23	Oscar by the Sea	170	0.2	0.2
A24	Tseung Kwan O Sport Ground	1.5	0.2	0.2
A25	Tseung Kwan O Town Park	1.5	0.2	0.2
A26	Leung Sing Tak Primary School	20	0.2	0.2
A27	Nan Fung Plaza	130	0.2	0.2
A28	St Andrew's Church	20	0.1	0.1
A29	Fung Ching Memorial Primary School	20	0.2	0.2
A30	On Ning Garden	120	0.1	0.1
A31	Sheung Ning Playground	1.5	0.1	0.1
A32	Tseung Kwan O Swimming Pool	1.5	0.1	0.1
A33	La Cite Noble	140	0.2	0.2
A34	Yuk Ming Court	110	0.2	0.2
A35	Ming Tak Estate	110	0.2	0.2
A36	Tin Ha Wan Village	10	0.2	0.2
A37	Tseung Kwan O Hospital	25	0.2	0.2
A38	Ocean Shore Phase I	160	0.2	0.2
A39	Choi Ming Estate, Choi Yiu Court	155	0.2	0.1
A40	Park Central Block 1	185	0.2	0.2
A41	Bauhinia Garden Block 5	165	0.2	0.2
A42	Heng Fa Chuen, Block 50	70	0.2	0.2
A43	Island Resort, Block 7	160	0.2	0.2

**Source Height at 50m above ground**

ASR	Name	Approx. Maximum Height of Building (m)	Worst Case 3	
			Maximum 5-second Odour Levels	
			1.5m above ground	
			w/o rephasing	w/ rephasing
A1-1	Proposed C&DM Handling Facility	30	1.7	1.7
A1-2 (1)	Planned Industrial Uses in TKO 137 (south of Extension) - 1	30	1.3	1.3
A1-2 (2)	Planned Industrial Uses in TKO 137 (south of Extension) - 2 (outside 200m HKPSG buffer distance)	30	1.1	1.1
A1-3 (1)	Planned Industrial Uses in TKO 137 (south of TVB City) - 1	30	11.2	11.2
A1-3 (2)	Planned Industrial Uses in TKO 137 (south of TVB City) - 2 (outside 200m HKPSG buffer distance)	30	6.9	6.9
A2	TVB City	30	14.0	8.6
A3	HAESL	30	5.2	4.0
A4	HAECO Component Overhaul Building	30	3.5	3.1
A5	Exhibition Services & Logistics Centre	30	3.0	1.9
A6	Gammon Skanska	30	1.7	1.0
A7	Yan Hing Machinery Industrial Building	30	3.4	3.4
A8	Apple Daily	30	2.7	2.7
A9	Mei Ah Industrial Building	30	2.4	2.4
A10	Asia Netcom	30	2.4	1.8
A11	Wellcome Storage	30	1.9	1.9
A12	Avery Dennison Machinery	30	2.1	2.1
A13	Hitachi	30	1.8	1.8
A14	Next Media Co. Ltd	30	1.5	1.5
A15	Varitronix	30	1.3	1.3
A16	Four Seas Food Processing Co. Ltd	30	1.1	1.1
A17	Committed HSBC Office	30	1.0	1.0
A18	Eastern Pacific Electronics	30	0.9	0.9
A19	Committed Tung Wah Group of Hospital Aided Primary & Secondary School	30	0.7	0.7
A20	LOHAS Park	200	0.4	0.4
A21	Chiaphua-Shinko Centre	30	0.6	0.6
A22	Shaw Film Studios	30	0.4	0.4
A23	Oscar by the Sea	170	0.2	0.2
A24	Tseung Kwan O Sport Ground	1.5	0.2	0.2
A25	Tseung Kwan O Town Park	1.5	0.2	0.2
A26	Leung Sing Tak Primary School	20	0.2	0.2
A27	Nan Fung Plaza	130	0.1	0.1
A28	St Andrew's Church	20	0.1	0.1
A29	Fung Ching Memorial Primary School	20	0.1	0.1
A30	On Ning Garden	120	0.1	0.1
A31	Sheung Ning Playground	1.5	0.1	0.1
A32	Tseung Kwan O Swimming Pool	1.5	0.1	0.1
A33	La Cite Noble	140	0.2	0.2
A34	Yuk Ming Court	110	0.2	0.2
A35	Ming Tak Estate	110	0.2	0.2
A36	Tin Ha Wan Village	10	0.2	0.2
A37	Tseung Kwan O Hospital	25	0.2	0.2
A38	Ocean Shore Phase I	160	0.2	0.2
A39	Choi Ming Estate, Choi Yiu Court	155	0.2	0.1
A40	Park Central Block 1	185	0.2	0.2
A41	Bauhinia Garden Block 5	165	0.2	0.2
A42	Heng Fa Chuen, Block 50	70	0.2	0.2
A43	Island Resort, Block 7	160	0.2	0.1

**Source Height at 70m above ground**

ASR	Name	Approx. Maximum Height of Building (m)	Worst Case 3	
			Maximum 5-second Odour Levels	
			1.5m above ground	
			w/o rephasing	w/ rephasing
A1-1	Proposed C&DM Handling Facility	30	1.4	1.5
A1-2 (1)	Planned Industrial Uses in TKO 137 (south of Extension) - 1	30	1.5	1.2
A1-2 (2)	Planned Industrial Uses in TKO 137 (south of Extension) - 2 (outside 200m HKPSG buffer distance)	30	1.2	0.8
A1-3 (1)	Planned Industrial Uses in TKO 137 (south of TVB City) - 1	30	6.4	6.4
A1-3 (2)	Planned Industrial Uses in TKO 137 (south of TVB City) - 2 (outside 200m HKPSG buffer distance)	30	3.3	3.3
A2	TVB City	30	6.5	6.5
A3	HAESL	30	3.1	1.8
A4	HAECO Component Overhaul Building	30	4.4	3.1
A5	Exhibition Services & Logistics Centre	30	1.9	1.3
A6	Gammon Skanska	30	1.1	0.7
A7	Yan Hing Machinery Industrial Building	30	3.5	3.5
A8	Apple Daily	30	2.6	2.6
A9	Mei Ah Industrial Building	30	3.0	2.6
A10	Asia Netcom	30	2.5	2.5
A11	Wellcome Storage	30	2.1	2.1
A12	Avery Dennison Machinery	30	2.3	2.2
A13	Hitachi	30	1.5	1.6
A14	Next Media Co. Ltd	30	1.6	1.6
A15	Varitronix	30	1.3	1.3
A16	Four Seas Food Processing Co. Ltd	30	1.0	1.0
A17	Committed HSBC Office	30	1.2	1.2
A18	Eastern Pacific Electronics	30	0.8	0.8
A19	Committed Tung Wah Group of Hospital Aided Primary & Secondary School	30	0.7	0.6
A20	LOHAS Park	200	0.4	0.4
A21	Chiaphua-Shinko Centre	30	0.5	0.5
A22	Shaw Film Studios	30	0.4	0.4
A23	Oscar by the Sea	170	0.2	0.2
A24	Tseung Kwan O Sport Ground	1.5	0.1	0.2
A25	Tseung Kwan O Town Park	1.5	0.1	0.1
A26	Leung Sing Tak Primary School	20	0.2	0.2
A27	Nan Fung Plaza	130	0.2	0.2
A28	St Andrew's Church	20	0.1	0.1
A29	Fung Ching Memorial Primary School	20	0.1	0.1
A30	On Ning Garden	120	0.1	0.1
A31	Sheung Ning Playground	1.5	0.1	0.1
A32	Tseung Kwan O Swimming Pool	1.5	0.1	0.1
A33	La Cite Noble	140	0.2	0.2
A34	Yuk Ming Court	110	0.2	0.2
A35	Ming Tak Estate	110	0.2	0.2
A36	Tin Ha Wan Village	10	0.2	0.2
A37	Tseung Kwan O Hospital	25	0.2	0.2
A38	Ocean Shore Phase I	160	0.2	0.2
A39	Choi Ming Estate, Choi Yiu Court	155	0.2	0.1
A40	Park Central Block 1	185	0.2	0.2
A41	Bauhinia Garden Block 5	165	0.2	0.2
A42	Heng Fa Chuen, Block 50	70	0.2	0.2
A43	Island Resort, Block 7	160	0.1	0.1

**Source Height at 100m above ground**

ASR	Name	Approx. Maximum Height of Building (m)	Worst Case 3	
			Maximum 5-second Odour Levels	
			1.5m above ground	
			w/o rephasing	w/ rephasing
A1-1	Proposed C&DM Handling Facility	30	1.2	1.2
A1-2 (1)	Planned Industrial Uses in TKO 137 (south of Extension) - 1	30	1.2	1.0
A1-2 (2)	Planned Industrial Uses in TKO 137 (south of Extension) - 2 (outside 200m HKPSG buffer distance)	30	0.7	0.7
A1-3 (1)	Planned Industrial Uses in TKO 137 (south of TVB City) - 1	30	2.9	2.6
A1-3 (2)	Planned Industrial Uses in TKO 137 (south of TVB City) - 2 (outside 200m HKPSG buffer distance)	30	2.6	2.6
A2	TVB City	30	5.4	5.4
A3	HAESL	30	3.8	1.8
A4	HAECO Component Overhaul Building	30	2.3	1.4
A5	Exhibition Services & Logistics Centre	30	1.1	1.1
A6	Gammon Skanska	30	0.8	0.7
A7	Yan Hing Machinery Industrial Building	30	3.7	2.6
A8	Apple Daily	30	2.8	2.3
A9	Mei Ah Industrial Building	30	3.8	2.6
A10	Asia Netcom	30	2.7	1.8
A11	Wellcome Storage	30	2.3	2.3
A12	Avery Dennison Machinery	30	1.8	1.8
A13	Hitachi	30	1.6	1.6
A14	Next Media Co. Ltd	30	1.4	1.4
A15	Varitronix	30	1.2	1.2
A16	Four Seas Food Processing Co. Ltd	30	0.9	0.9
A17	Committed HSBC Office	30	1.1	1.1
A18	Eastern Pacific Electronics	30	0.7	0.7
A19	Committed Tung Wah Group of Hospital Aided Primary & Secondary School	30	0.6	0.6
A20	LOHAS Park	200	0.4	0.4
A21	Chiaphua-Shinko Centre	30	0.5	0.5
A22	Shaw Film Studios	30	0.4	0.4
A23	Oscar by the Sea	170	0.2	0.2
A24	Tseung Kwan O Sport Ground	1.5	0.1	0.1
A25	Tseung Kwan O Town Park	1.5	0.1	0.2
A26	Leung Sing Tak Primary School	20	0.1	0.1
A27	Nan Fung Plaza	130	0.1	0.1
A28	St Andrew's Church	20	0.1	0.1
A29	Fung Ching Memorial Primary School	20	0.1	0.1
A30	On Ning Garden	120	0.1	0.1
A31	Sheung Ning Playground	1.5	0.1	0.1
A32	Tseung Kwan O Swimming Pool	1.5	0.1	0.1
A33	La Cite Noble	140	0.2	0.2
A34	Yuk Ming Court	110	0.2	0.2
A35	Ming Tak Estate	110	0.2	0.2
A36	Tin Ha Wan Village	10	0.2	0.2
A37	Tseung Kwan O Hospital	25	0.2	0.2
A38	Ocean Shore Phase I	160	0.2	0.2
A39	Choi Ming Estate, Choi Yiu Court	155	0.2	0.2
A40	Park Central Block 1	185	0.2	0.1
A41	Bauhinia Garden Block 5	165	0.2	0.2
A42	Heng Fa Chuen, Block 50	70	0.2	0.2
A43	Island Resort, Block 7	160	0.1	0.1