Odour Impact Duration and Frequency Analysis (Interim Scenario)

ASR ID	Location	No. of Exceedance Hour	% Time with Exceedance	No. of Hours in a Year			% Time in a Year			Contribution from the Proposed STW (OU/m^3) [4]
				Interim is not larger than Basecase [1]	Interim is larger than Basecase [2]	Interim is larger than Basecase & with Exceedance [3]	Interim is not larger than Basecase [1]	Interim is larger than Basecase [2]	Interim is larger than Basecase & with Exceedance [3]	
Existing ASRs										
A30	Village House, Kung Um Road	18	0.21%	8760	0	0	100%	0%	0.00%	0.01 - 0.03
A31	House no. 31B, Kung Um Road	2	0.02%	8760	0	0	100%	0%	0.00%	0.01
A32	House no. 241, Kiu Hing Road	17	0.19%	8760	0	0	100%	0%	0.00%	0.00 - 0.01
A33	House no. 67A, Wong Nai Tun Tsuen	132	1.51%	8734	26	0	99.70%	0.30%	0.00%	0.00 - 0.02
A34	House no. 128, Kung Um Road	270	3.08%	8348	412	0	95.30%	4.70%	0.00%	0.00 - 0.02
A35	House no. 117, Kung Um Road	277	3.16%	8503	257	0	97.07%	2.93%	0.00%	0.00 - 0.05
A102	Wong Nai Tun Tsuen House 47C	114	1.30%	8760	0	0	100%	0%	0.00%	0.00 - 0.01
A103	Greenwood Gardens House 397	104	1.19%	8750	10	0	99.89%	0.11%	0.00%	0.00 - 0.01
A109	Shan Ha Tsuen House No. 343A	2	0.02%	8758	2	0	99.98%	0.02%	0.00%	0.02
A133	Pak Sha Tsuen	4	0.05%	8760	0	0	100%	0%	0.00%	0.00 - 0.01
A134	Shan Ha Tsuen House No. 330	1	0.01%	8760	0	0	100%	0%	0.00%	0.01

Note:

The above analysis is for the worst hit level at the concerned ASRs.

[1]   Refers to the number of hours when the predicted odour concentration during Interim scenario is not larger than that during Basecase scenario.

[2]   Refers to the number of hours when the predicted odour concentration during Interim scenario is larger than that during Basecase scenario.

[3]   Refers to the number of hours when the predicted odour concentration during Interim scenario is larger than that during Basecase scenario, and the predicted odour concentration exceeds the odour criterion.

[4]   Refers to the contribution from the proposed STW when the predicted odour concentration exceeds the odour criterion.

Odour Impact Duration and Frequency Analysis (Ultimate Scenario)

ASR ID	Location	Max. Cumulative Odour Concentration (OU/m^3)	No. of Exceedance Hour	% Time with Exceedance	No. of Hours in a Year			% Time in a Year			Contribution from the Proposed STW (OU/m^3) [8]
					Ultimate is not larger than Basecase [5]	Ultimate is larger than Basecase [6]	Ultimate is larger than Basecase & with Exceedance [7]	Ultimate is not larger than Basecase [5]	Ultimate is larger than Basecase [6]	Ultimate is larger than Basecase & with Exceedance [7]	
Existing ASRs											
A35	House no. 117, Kung Um Road	6.0	6	0.068%	8760	0	0	100%	0%	0.00%	0.01 - 0.04

Note:

The above analysis is for the worst hit level at the concerned ASR.

[5]   Refers to the number of hours when the predicted odour concentration during Ultimate scenario is not larger than that during Basecase scenario.

[6]   Refers to the number of hours when the predicted odour concentration during Ultimate scenario is larger than that during Basecase scenario.

[7]   Refers to the number of hours when the predicted odour concentration during Ultimate scenario is larger than that during Basecase scenario, and the predicted odour concentration exceeds the odour criterion.

[8]   Refers to the contribution from the proposed STW when the predicted odour concentration exceeds the odour criterion.