



Project: 25278 Agreement No. CE61/2007 (CE) North East New Territories New Development Areas Planning and Engineering Study

Title: Predicted Noise Level from Sewage Treatment Works Extension (FLN A2-3)

Maximum Sound Power Level for the STW (FLN A2-3)

NSR	AP	Noise Criteria [2] dB(A)	Distance to NSR (m)	Correction, dB(A)					Maximum Allowable SWL, dB(A)
				Distance	Facade	Tonality	Screening	Cumulative Impact	
FN-18 [1]	R9027	45	240	56	3	3	0	-	95
FLN A1-4 [1]	R4802	53	125	50	3	3	0	-	97
FLN A1-3 [1]	R9025	45	120	50	3	3	0	3	86
FLN A1-3 [1]	R9026	45	85	47	3	3	0	3	83

Note:

[1] According to AEP-218/2005 "Expansion of Shek Wu Hui Sewage Treatment Works", the predicted noise level is 48dB(A).

To include the cumulative impacts from the existing STW, noise criterion for R9027 at FN-18 is 45dB(A) to achieve the night time criteria of 50dB(A)

[2] Only night time criteria is assessed as worst case scenario, except FLN A1-4 which is a temple.

[3] Cumulative impacts from planned pumping station is included.