

## **APPENDIX 4G Cumulative Operation Noise Impact**

**Appendix 4G: Cumulative Operation Noise Impact**

NSR ID	Description	Ma Chai Hang Pumping Station					Max. SPL from Fixed Plants in the Proposed Ancillary Building, dB(A)	Predicted Cumulative Fixed Plant Noise Level, dB(A)	Area Sensitive Rating	*Acceptable Noise Level (ANL)	Compliance
		^ Total SWL, dB(A)	Approx. Horizontal Distance, m	Distance Attenuation, dB(A)	Façade Correction, dB(A)	Predicted SPL from Fixed Plants in Ma Chai Hang Pumping Station, dB(A)					
NSR 1	Block B, Peninsula Heights	97	208	-54	3	46	55	55	C	60	Y
NSR 2	Block 1, Meridian Hill	97	203	-54	3	46	55	55	C	60	Y
NSR 3	Chun Sing House, Tin Ma Court	97	160	-52	3	48	50	52	B	55	Y
NSR 4	Chun Wai House, Tin Ma Court	97	151	-52	3	48	50	52	B	55	Y
NSR 5	Grace Methodist Church Kindergarten	97	147	-51	3	49	50	52	B	55	Y
NSR 6	Wang King House, Tin Wang Court	97	237	-55	3	44	50	51	B	55	Y
NSR 7	Block 6, Tsui Chuk Garden	97	148	-51	3	49	50	52	B	55	Y

**Note**

\* For conservation assessment, the lower Acceptable Noise Level (ANL) for night-time is adopted.

^ Total SWL is made reference to the SWL of the fixed plants for Pui O No. 2 Raw Water Pumping Station in the EIA Report of "Siu Ho Wan Water Treatment Works Extension" (EIA-100/2004)