Summary of Fixed Plant

						Daytime and Evening							Night-time						
Noise Type	**Source ID**	**Items**	**Plant Room ID / Activity ID**	**Plant Rooms**	**Maximum Allowable SWL, dB(A)**	**Quantity / Max concurrent works, nos.**	**Operation Frequency, nos./ 30 mins**	**Operation Duration per event**	**Percentage on-time over 30 mins**	**Correction for tonality, dB(A)**	**Correction for impulsiveness, dB(A)**	**Correction for intermittency, dB(A)**	**Quantity / Max concurrent works, nos.**	**Operation Frequency, nos./ 30 mins**	**Operation Duration per event**	**Percentage on-time over 30 mins**	**Correction for tonality, dB(A)**	**Correction for impulsiveness, dB(A)**	**Correction for intermittency, dB(A)**
MVAC and Other Fixed Noise Sources	S1	Water Pumps	1F_PR 1	Chiller Pump Room	85	2	--	--	100%	6	0	0	1	--	--	100%	6	0	0
	S2	Exhaust Fans	1F_PR 1	Chiller Pump Room	85	1	--	--	100%	0	0	0	1	--	--	100%	0	0	0
	S3	General Exhaust Fans	1F_PR 2	Exhaust Fan Room	85	5	--	--	100%	0	0	0	1	--	--	100%	0	0	0
	S4	Compressors	1F_PR 3	Compressor Room	85	1	--	--	100%	0	0	0	0	--	--	0%	0	0	0
	S5	Exhaust Fans	1F_PR 3	Compressor Room	85	1	--	--	100%	0	0	0	0	--	--	0%	0	0	0
	S6	Transformers	1F_PR 4	Transformer Room	85	2	--	--	100%	6	0	0	2	--	--	100%	6	0	0
	S7	Exhaust Fans	1F_PR 4	Transformer Room	85	1	--	--	100%	0	0	0	1	--	--	100%	0	0	0
	S8	Transferred Water Pumps	1F_PR 5	Transferred Tank Pump Room	85	2	--	--	100%	6	0	0	2	--	--	100%	6	0	0
	S9	Exhaust Fans	1F_PR 5	Transferred Tank Pump Room	85	1	--	--	100%	0	0	0	1	--	--	100%	0	0	0
	S10	Generator (operations during power failure / maintenance)	2F_PR 1	Generator Room	85	2	--	--	100%	0	0	0	2	--	--	100%	0	0	0
	S11	Exhaust Fans	2F_PR 1	Generator Room	85	1	--	--	100%	0	0	0	1	--	--	100%	0	0	0
	S12	Compressors	3F_PR 1	Compressor Room	85	1	--	--	100%	0	0	0	0	--	--	0%	0	0	0
	S13	Exhaust Fans	3F_PR 1	Compressor Room	85	1	--	--	100%	0	0	0	0	--	--	0%	0	0	0
	S14	Water Pumps	3F_PR 2	F.S. Pump Room	85	1	--	--	100%	6	0	0	1	--	--	100%	6	0	0
	S15	Exhaust Fans	3F_PR 2	F.S. Pump Room	85	1	--	--	100%	0	0	0	1	--	--	100%	0	0	0
	S16	General Exhaust Fans	3MF_PR 1	Exhaust Fan Room	85	5	--	--	100%	0	0	0	2	--	--	100%	0	0	0
	S17	PAU	3MF_PR 2	PAU Room 1	85	2	--	--	100%	0	0	0	1	--	--	100%	0	0	0
	S18	Exhaust Fans	3MF_PR 2	PAU Room 1	85	1	--	--	100%	0	0	0	0	--	--	0%	0	0	0
	S19	Chiller Plant	4F_PR 1	Chiller Plant Room	85	2	--	--	100%	0	0	0	1	--	--	100%	0	0	0
	S20	Exhaust Fans	4F_PR 1	Chiller Plant Room	85	1	--	--	100%	0	0	0	1	--	--	100%	0	0	0
	S21	Water Pumps	4F_PR 2	Water Vehicle Filing and Automatic Vehicle Washing System Water Tank and Water Pump Room	85	2	--	--	100%	6	0	0	2	--	--	100%	6	0	0
	S22	Exhaust Fans	4F_PR 2	Water Vehicle Filing and Automatic Vehicle Washing System Water Tank and Water Pump Room	85	1	--	--	100%	0	0	0	1	--	--	100%	0	0	0
	S23	Exhaust Fans	5F_PR 1	Battery Charging Room	85	1	--	--	100%	0	0	0	0	--	--	0%	0	0	0
	S24	General Exhaust Fans	5F_PR 2	Exhaust Fan Room	85	4	--	--	100%	0	0	0	0	--	--	0%	0	0	0
	S25	Welding Exhaust Fans	5F_PR 2	Exhaust Fan Room	85	2	--	--	100%	0	0	0	0	--	--	0%	0	0	0
	S26	Exhaust Fans	5F_PR 2	Exhaust Fan Room	85	3	--	--	100%	0	0	0	0	--	--	0%	0	0	0
	S27	Exhaust Fans	6F_PR 1	TBE Room	85	1	--	--	100%	0	0	0	0	--	--	0%	0	0	0
	S28	PAU	6F_PR 2	PAU Room 2	85	5	--	--	100%	0	0	0	0	--	--	0%	0	0	0
	S29	AHU	6F_PR 3	AHU Room	85	1	--	--	100%	0	0	0	0	--	--	0%	0	0	0
	S30	Lift Machine	RF_PR 1	Lift Machine Room	85	3	--	--	100%	0	0	0	1	--	--	100%	0	0	0
	S31	Exhaust Fans	RF_PR 1	Lift Machine Room	85	1	--	--	100%	0	0	0	1	--	--	100%	0	0	0
	S32	Water Pumps	RF_PR 2	Portable Flushing and Makeup Water Pump Room	85	3	--	--	100%	6	0	0	3	--	--	100%	6	0	0
	S33	Exhaust Fans	RF_PR 2	Portable Flushing and Makeup Water Pump Room	85	1	--	--	100%	0	0	0	1	--	--	100%	0	0	0
	S34	Cooling towers	RF_PR 3	Cooling Tower Plant Room	100	2	--	--	100%	0	0	0	1	--	--	100%	0	0	0
Vehicle Repair / Testing Activities	S35	Brake Test Strip	1F_Act 1	L1 HKPF	Refer to App.5.9	1	3	0.5	5%	0	0	0	1	1	0.5	2%	0	0	0
	S36	Hand-held Pneumatic Tools	1F_Act 3	L1 HKPF	100	1	4	0.5	7%	0	0	0	1	1	0.5	2%	0	0	0
	S37	Hammering Activities	1F_Act 4	L1 HKPF	113	3	1	2	7%	0	3	0	1	1	2	7%	0	3	0
	S38	Automatic Vehicle Washing Machine	4F_Act 5	FEHD	88	1	4	2	27%	0	0	0	1	4	2	27%	0	0	0
	S39	Motorcycle Speedometer Calibrator	5F_Act 6	EMSD Dept	112	1	1	1	3%	0	0	0	0	0	1	0%	0	0	0
	S40	Tyre Changer	5F_Act 7	EMSD Dept	98	1	4	2	27%	0	0	0	0	0	2	0%	0	0	0
	S41	Hammering Activities	5F_Act 8	EMSD Dept	113	4	1	2	7%	0	3	0	0	0	2	0%	0	3	0
	S42	Hand-held Pneumatic Tools	5F_Act 9	EMSD Dept	100	4	1	4	13%	0	0	0	0	0	4	0%	0	0	0
	S43	Roller Brake Tester	5F_Act 10	EMSD Dept	99	1	3	0.5	5%	0	0	0	0	0	0.5	0%	0	0	0
	S44	Motorcycle Brake Tester	5F_Act 11	EMSD Dept	99	1	3	2	20%	0	0	0	0	0	2	0%	0	0	0
	S45	Roller Brake Tester	1F_Act 12	L1 HKPF	99	1	3	2	20%	0	0	0	1	1	2	7%	0	0	0

Remark:

[1] The quantities of vehicle repair / testing facilities and fixed plant had been verified with the future users. The maximum nos. of concurrent operations of vehicle repair/ testing activities would be dictated by the quantities of facilities/ tools equipped in the proposed project.
[2] A correction of -10 dB(A) was adopted if the external louvres and fixed plant were totally screened by barriers or buildings outside the project or building structures of the project. A correction of -5 dB(A) was applied to the fixed noise sources within plant rooms (other than ventilation fans, transformers, generators, PAUs and chillers).
[3] For the correction for tonality of the plant, as information is not available, +6 dB(A) for tonality correction was applied to water pumps and transformers as a conservative assumption in this assessment.
[4] +3 dB(A) for impulsiveness correction was applied to the hammering activities in both daytime and nighttime.
[5] Sound Exposure Level (SEL) for the brake test strip (S35) is measured on site to obtain the equivalent Sound Pressure Level (Leq(30min)) for the assessment. The measurement result is shown in Appendix 5.9.
[6] SWL for the motorcycle speedometer calibrator is adopted from approved EIA report for EMSD Hong Kong Workshop at Sheung On Street, Chai Wan (AEIAR-202/2012).
[7] SWLs for hand-held pneumatic tools, hammering activities, automatic vehicle washing machine, tyre changer, roller brake tester and motocycled brake tester are adopted from approved EIA report for Reprovisioning of FEHD Sai Yee Street Environmental Hygiene Offices-cum-vehicle Depot at Yen Ming Road, West Kowloon Reclamation Area (AEIAR-216/2013)
[8] The operation duration and frequency of the vehicle repair / testing activities had been obtained from, verified with and confirmed by the future users. The on-time % had been taken into consideration of daily operation needs, time requirements for preparation and setting up of each activity.
[9] Correction Factor for quantity= 10 log (quantity)
[10] Distance correction for SWL= 20 log (distance) + 8
[11] Correction for percentage on-time over 30 mins = 10 log (on-time %)
[12] Detailed design of the plant rooms is not yet available at this stage.
[13] The maximum allowable SWLs for louvres/ equipment were determined by adopting standard acoustics principles. The following formula was used for calculating the SPLs at NSRs =
SPL= Max SWL+DC+FC+BC+OC+TC+IMC+INTC
SPL Sound Pressure Level (dB(A))
Max SWL Maximum allowable Sound Power Level (dB(A))
DC Distance Attenuation (dB(A))
FC Façade Correction (dB(A))
BC Barrier Correction (dB(A))
OC Percentage on-time Correction (dB(A))
TC Correction for Tonality (dB(A))
IMC Correction for Impulsiveness (dB(A))
INTC Correction for Intermittency (dB(A))
The SWL of the equipment shall not exceed the specified Maximum Allowable SWL in order to achieve the noise criteria. Acoustic treatment would be installed as appropriate to achieve the required SWL.
[14] All maximum allowable SWLs are rounded to the nearest whole dB(A).
[15] Hammers will be used by the vehicle examiners at the HKPF PVP&EC to test if the screw is loosen or to assist dismantling parts of the detained vehicles for testing only. No maintenance or repair services for the detained vehicles will be involved.
[16] As the maximum allowable SWLs were adopted, which the SWL of each equipment may be lower in actual case. The predicted noise level represents a conservative estimation.

(Day / Evening Time)

NAP ID	Room	Source ID	Identified Noise Sources	Quantity / Max concurrent works, nos.	Maximum Allowable SWL, dB(A)	Percentage on-time over 30 mins	Slant Distance, m	Distance Attenuation, dB(A)	Barrier Correction due to Surrounding Buildings, dB(A)	Barrier Correction due to Interior Structure, dB(A)	Overall Barrier Correction, dB(A)	Façade Correction, dB(A)	Correction for Tonality, dB(A)	Correction for Impulsiveness, dB(A)	Correction for Intermittency, dB(A)	Correction for Quantity, dB(A)	Percentage On-time Correction, dB(A)	Predicted Noise Level, dB(A)	Resultant SPL, Leq(30mins), dB(A)
NAP 101 1F	Chiller Pump Room	S1	Water Pumps	2	85	100%	351.8	-58.9	0	-5	-5	3	6	0	0	3.0	0	33.1	57
NAP 101 1F	Chiller Pump Room	S2	Exhaust Fans	1	85	100%	360.5	-59.1	0	0	0	3	0	0	0	0	0	28.9	
NAP 101 1F	Exhaust Fan Room	S3	General Exhaust Fans	5	85	100%	385.8	-59.7	0	-10	-10	3	0	0	0	7.0	0	25.3	
NAP 101 1F	Compressor Room	S4	Compressors	1	85	100%	402.4	-60.1	0	-10	-10	3	0	0	0	0	0	17.9	
NAP 101 1F	Compressor Room	S5	Exhaust Fans	1	85	100%	408.7	-60.2	0	-10	-10	3	0	0	0	0	0	17.8	
NAP 101 1F	Transformer Room	S6	Transformers	2	85	100%	408.7	-60.2	0	-10	-10	3	6	0	0	3.0	0	26.8	
NAP 101 1F	Transformer Room	S7	Exhaust Fans	1	85	100%	408.7	-60.2	0	-10	-10	3	0	0	0	0	0	17.8	
NAP 101 1F	Transferred Tank Pump Room	S8	Transferred Water Pumps	2	85	100%	408.7	-60.2	-10	0	-10	3	6	0	0	3.0	0	26.8	
NAP 101 1F	Transferred Tank Pump Room	S9	Exhaust Fans	1	85	100%	408.7	-60.2	-10	0	-10	3	0	0	0	0	0	17.8	
NAP 101 1F	Generator Room	S10	Generator (operations during power failure / maintenance)	2	85	100%	414.0	-60.3	0	-10	-10	3	0	0	0	3.0	0	20.7	
NAP 101 1F	Generator Room	S11	Exhaust Fans	1	85	100%	534.9	-62.6	0	-10	-10	3	0	0	0	0	0	15.4	
NAP 101 1F	Compressor Room	S12	Compressors	1	85	100%	389.7	-59.8	0	-10	-10	3	0	0	0	0	0	18.2	
NAP 101 1F	Compressor Room	S13	Exhaust Fans	1	85	100%	391.1	-59.8	0	-10	-10	3	0	0	0	0	0	18.2	
NAP 101 1F	F.S. Pump Room	S14	Water Pumps	1	85	100%	391.1	-59.8	0	-10	-10	3	6	0	0	0	0	24.2	
NAP 101 1F	F.S. Pump Room	S15	Exhaust Fans	1	85	100%	391.1	-59.8	0	-10	-10	3	0	0	0	0	0	18.2	
NAP 101 1F	Exhaust Fan Room	S16	General Exhaust Fans	5	85	100%	393.5	-59.9	0	-10	-10	3	0	0	0	7.0	0	25.1	
NAP 101 1F	PAU Room 1	S17	PAU	2	85	100%	415.8	-60.4	0	-10	-10	3	0	0	0	3.0	0	20.6	
NAP 101 1F	PAU Room 1	S18	Exhaust Fans	1	85	100%	415.8	-60.4	0	-10	-10	3	0	0	0	0	0	17.6	
NAP 101 1F	Chiller Plant Room	S19	Chiller Plant	2	85	100%	415.7	-60.4	0	-10	-10	3	0	0	0	3.0	0	20.6	
NAP 101 1F	Chiller Plant Room	S20	Exhaust Fans	1	85	100%	420.6	-60.5	0	-10	-10	3	0	0	0	0	0	17.5	
NAP 101 1F	Water Vehicle Filing and Automatic Vehicle Washing System Water Tank and Water Pump Room	S21	Water Pumps	2	85	100%	420.6	-60.5	0	-10	-10	3	6	0	0	3.0	0	26.5	
NAP 101 1F	Water Vehicle Filing and Automatic Vehicle Washing System Water Tank and Water Pump Room	S22	Exhaust Fans	1	85	100%	420.6	-60.5	0	-10	-10	3	0	0	0	0	0	17.5	
NAP 101 1F	Battery Charging Room	S23	Exhaust Fans	1	85	100%	337.9	-58.6	0	0	0	3	0	0	0	0	0	29.4	
NAP 101 1F	Exhaust Fan Room	S24	General Exhaust Fans	4	85	100%	420.9	-60.5	0	-10	-10	3	0	0	0	6.0	0	23.5	
NAP 101 1F	Exhaust Fan Room	S25	Welding Exhaust Fans	2	85	100%	420.9	-60.5	0	-10	-10	3	0	0	0	3.0	0	20.5	
NAP 101 1F	Exhaust Fan Room	S26	Exhaust Fans	3	85	100%	420.9	-60.5	0	-10	-10	3	0	0	0	4.8	0	22.3	
NAP 101 1F	TBE Room	S27	Exhaust Fans	1	85	100%	393.4	-59.9	0	-10	-10	3	0	0	0	0	0	18.1	
NAP 101 1F	PAU Room 2	S28	PAU	5	85	100%	421.4	-60.5	0	-10	-10	3	0	0	0	7.0	0	24.5	
NAP 101 1F	AHU Room	S29	AHU	1	85	100%	381.9	-59.6	0	-10	-10	3	0	0	0	0	0	18.4	
NAP 101 1F	Lift Machine Room	S30	Lift Machine	3	85	100%	351.5	-58.9	0	-5	-5	3	0	0	0	4.8	0	28.9	
NAP 101 1F	Lift Machine Room	S31	Exhaust Fans	1	85	100%	355.4	-59.0	0	0	0	3	0	0	0	0	0	29.0	
NAP 101 1F	Portable Flushing and Makeup Water Pump Room	S32	Water Pumps	3	85	100%	392.7	-59.9	0	-10	-10	3	6	0	0	4.8	0	28.9	
NAP 101 1F	Portable Flushing and Makeup Water Pump Room	S33	Exhaust Fans	1	85	100%	392.7	-59.9	0	-10	-10	3	0	0	0	0	0	18.1	
NAP 101 1F	Cooling Tower Plant Room	S34	Cooling towers	2	100	100%	392.7	-59.9	0	0	0	3	0	0	0	3.0	0	46.1	
NAP 101 1F	L1 HKPF	S36	Hand-held Pneumatic Tools	1	100	7%	370.7	-59.4	0	0	0	3	0	0	0	0	-11.8	31.8	
NAP 101 1F	L1 HKPF	S37	Hammering Activities	3	113	7%	375.8	-59.5	0	0	0	3	0	3	0	4.8	-11.8	52.5	
NAP 101 1F	FEHD	S38	Automatic Vehicle Washing Machine	1	88	27%	373.0	-59.4	0	0	0	3	0	0	0	0	-5.7	25.9	
NAP 101 1F	EMSD Dept	S39	Motorcycle Speedometer Calibrator	1	112	3%	403.8	-60.1	0	0	0	3	0	0	0	0	-14.8	40.1	
NAP 101 1F	EMSD Dept	S40	Tyre Changer	1	98	27%	378.4	-59.6	0	0	0	3	0	0	0	0	-5.7	35.7	
NAP 101 1F	EMSD Dept	S41	Hammering Activities	4	113	7%	363.1	-59.2	0	0	0	3	0	3	0	6.0	-11.8	54.1	
NAP 101 1F	EMSD Dept	S42	Hand-held Pneumatic Tools	4	100	13%	390.2	-59.8	0	0	0	3	0	0	0	6.0	-8.8	40.5	
NAP 101 1F	EMSD Dept	S43	Roller Brake Tester	1	99	5%	339.2	-58.6	0	0	0	3	0	0	0	0	-13.0	30.4	
NAP 101 1F	EMSD Dept	S44	Motorcycle Brake Tester	1	99	20%	390.2	-59.8	0	0	0	3	0	0	0	0	-7.0	35.2	
NAP 101 1F	L1 HKPF	S45	Roller Brake Tester	1	99	20%	374.4	-59.5	0	0	0	3	0	0	0	0	-7.0	35.5	
NAP 101 10F	Chiller Pump Room	S1	Water Pumps	2	85	100%	353.1	-59.0	0	-5	-5	3	6	0	0	3.0	0	33.0	57
NAP 101 10F	Chiller Pump Room	S2	Exhaust Fans	1	85	100%	361.8	-59.2	0	0	0	3	0	0	0	0	0	28.8	
NAP 101 10F	Exhaust Fan Room	S3	General Exhaust Fans	5	85	100%	387.0	-59.8	0	-10	-10	3	0	0	0	7.0	0	25.2	
NAP 101 10F	Compressor Room	S4	Compressors	1	85	100%	403.6	-60.1	0	-10	-10	3	0	0	0	0	0	17.9	
NAP 101 10F	Compressor Room	S5	Exhaust Fans	1	85	100%	409.9	-60.3	0	-10	-10	3	0	0	0	0	0	17.7	
NAP 101 10F	Transformer Room	S6	Transformers	2	85	100%	409.9	-60.3	0	-10	-10	3	6	0	0	3.0	0	26.7	
NAP 101 10F	Transformer Room	S7	Exhaust Fans	1	85	100%	409.9	-60.3	0	-10	-10	3	0	0	0	0	0	17.7	
NAP 101 10F	Transferred Tank Pump Room	S8	Transferred Water Pumps	2	85	100%	409.9	-60.3	-10	0	-10	3	6	0	0	3.0	0	26.7	
NAP 101 10F	Transferred Tank Pump Room	S9	Exhaust Fans	1	85	100%	409.9	-60.3	-10	0	-10	3	0	0	0	0	0	17.7	
NAP 101 10F	Generator Room	S10	Generator (operations during power failure / maintenance)	2	85	100%	414.6	-60.4	0	-10	-10	3	0	0	0	3.0	0	20.6	
NAP 101 10F	Generator Room	S11	Exhaust Fans	1	85	100%	535.7	-62.6	0	-10	-10	3	0	0	0	0	0	15.4	
NAP 101 10F	Compressor Room	S12	Compressors	1	85	100%	389.9	-59.8	0	-10	-10	3	0	0	0	0	0	18.2	
NAP 101 10F	Compressor Room	S13	Exhaust Fans	1	85	100%	391.4	-59.9	0	-10	-10	3	0	0	0	0	0	18.1	
NAP 101 10F	F.S. Pump Room	S14	Water Pumps	1	85	100%	391.4	-59.9	0	-10	-10	3	6	0	0	0	0	24.1	
NAP 101 10F	F.S. Pump Room	S15	Exhaust Fans	1	85	100%	391.4	-59.9	0	-10	-10	3	0	0	0	0	0	18.1	
NAP 101 10F	Exhaust Fan Room	S16	General Exhaust Fans	5	85	100%	393.4	-59.9	0	-10	-10	3	0	0	0	7.0	0	25.1	
NAP 101 10F	PAU Room 1	S17	PAU	2	85	100%	415.8	-60.4	0	-10	-10	3	0	0	0	3.0	0	20.6	
NAP 101 10F	PAU Room 1	S18	Exhaust Fans	1	85	100%	415.8	-60.4	0	-10	-10	3	0	0	0	0	0	17.6	
NAP 101 10F	Chiller Plant Room	S19	Chiller Plant	2	85	100%	415.4	-60.4	0	-10	-10	3	0	0	0	3.0	0	20.6	
NAP 101 10F	Chiller Plant Room	S20	Exhaust Fans	1	85	100%	420.3	-60.5	0	-10	-10	3	0	0	0	0	0	17.5	
NAP 101 10F	Water Vehicle Filing and Automatic Vehicle Washing System Water Tank and Water Pump Room	S21	Water Pumps	2	85	100%	420.3	-60.5	0	-10	-10	3	6	0	0	3.0	0	26.5	
NAP 101 10F	Water Vehicle Filing and Automatic Vehicle Washing System Water Tank and Water Pump Room	S22	Exhaust Fans	1	85	100%	420.3	-60.5	0	-10	-10	3	0	0	0	0	0	17.5	
NAP 101 10F	Battery Charging Room	S23	Exhaust Fans	1	85	100%	337.0	-58.6	0	0	0	3	0	0	0	0	0	29.4	
NAP 101 10F	Exhaust Fan Room	S24	General Exhaust Fans	4	85	100%	420.2	-60.5	0	-10	-10	3	0	0	0	6.0	0	23.5	
NAP 101 10F	Exhaust Fan Room	S25	Welding Exhaust Fans	2	85	100%	420.2	-60.5	0	-10	-10	3	0	0	0	3.0	0	20.5	
NAP 101 10F	Exhaust Fan Room	S26	Exhaust Fans	3	85	100%	420.2	-60.5	0	-10	-10	3	0	0	0	4.8	0	22.3	
NAP 101 10F	TBE Room	S27	Exhaust Fans	1	85	100%	392.2	-59.9	0	-10	-10	3	0	0	0	0	0	18.1	
NAP 101 10F	PAU Room 2	S28	PAU	5	85	100%	420.2	-60.5	0	-10	-10	3	0	0	0	7.0	0	24.5	
NAP 101 10F	AHU Room	S29	AHU	1	85	100%	380.6	-59.6	0	-10	-10	3	0	0	0	0	0	18.4	
NAP 101 10F	Lift Machine Room	S30	Lift Machine	3	85	100%	349.8	-58.9	0	-5	-5	3	0	0	0	4.8	0	28.9	
NAP 101 10F	Lift Machine Room	S31	Exhaust Fans	1	85	100%	353.7	-59.0	0	0	0	3	0	0	0	0	0	29.0	
NAP 101 10F	Portable Flushing and Makeup Water Pump Room	S32	Water Pumps	3	85	100%	391.1	-59.8	0	-10	-10	3	6	0	0	4.8	0	29.0	
NAP 101 10F	Portable Flushing and Makeup Water Pump Room	S33	Exhaust Fans	1	85	100%	391.1	-59.8	0	-10	-10	3	0	0	0	0	0	18.2	
NAP 101 10F	Cooling Tower Plant Room	S34	Cooling towers	2	100	100%	391.1	-59.8	0	0	0	3	0	0	0	3.0	0	46.2	
NAP 101 10F	L1 HKPF	S36	Hand-held Pneumatic Tools	1	100	7%	371.9	-59.4	0	0	0	3	0	0	0	0	-11.8	31.8	
NAP 101 10F	L1 HKPF	S37	Hammering Activities	3	113	7%	377.0	-59.5	0	0	0	3	0	3	0	4.8	-11.8	52.5	
NAP 101 10F	FEHD	S38	Automatic Vehicle Washing Machine	1	88	27%	372.6	-59.4	0	0	0	3	0	0	0	0	-5.7	25.9	
NAP 101 10F	EMSD Dept	S39	Motorcycle Speedometer Calibrator	1	112	3%	403.1	-60.1	0	0	0	3	0	0	0	0	-14.8	40.1	
NAP 101 10F	EMSD Dept	S40	Tyre Changer	1	98	27%	377.6	-59.5	0	0	0	3	0	0	0	0	-5.7	35.8	
NAP 101 10F	EMSD Dept	S41	Hammering Activities	4	113	7%	362.3	-59.2	0	0	0	3	0	3	0	6.0	-11.8	54.1	
NAP 101 10F	EMSD Dept	S42	Hand-held Pneumatic Tools	4	100	13%	389.4	-59.8	0	0	0	3	0	0	0	6.0	-8.8	40.5	
NAP 101 10F	EMSD Dept	S43	Roller Brake Tester	1	99	5%	338.3	-58.6	0	0	0	3	0	0	0	0	-13.0	30.4	
NAP 101 10F	EMSD Dept	S44	Motorcycle Brake Tester	1	99	20%	389.4	-59.8	0	0	0	3	0	0	0	0	-7.0	35.2	
NAP 101 10F	L1 HKPF	S45	Roller Brake Tester	1	99	20%	374.4	-59.5	0	0	0	3	0	0	0	0	-7.0	35.5	
NAP 101 21F	Chiller Pump Room	S1	Water Pumps	2	85	100%	357.5	-59.1	0	-5	-5	3	6	0	0	3.0	0	32.9	57
NAP 101 21F	Chiller Pump Room	S2	Exhaust Fans	1	85	100%	366.0	-59.3	0	0	0	3	0	0	0	0	0	28.7	
NAP 101 21F	Exhaust Fan Room	S3	General Exhaust Fans	5	85	100%	391.0	-59.8	0	-10	-10	3	0	0	0	7.0	0	25.2	
NAP 101 21F	Compressor Room	S4	Compressors	1	85	100%	407.4	-60.2	0	-10	-10	3	0	0	0	0	0	17.8	
NAP 101 21F	Compressor Room	S5	Exhaust Fans	1	85	100%	413.6	-60.3	0	-10	-10	3	0	0	0	0	0	17.7	
NAP 101 21F	Transformer Room	S6	Transformers	2	85	100%	413.6	-60.3	0	-10	-10	3	6	0	0	3.0	0	26.7	
NAP 101 21F	Transformer Room	S7	Exhaust Fans	1	85	100%	413.6	-60.3	0	-10	-10	3	0	0	0	0	0	17.7	
NAP 101 21F	Transferred Tank Pump Room	S8	Transferred Water Pumps	2	85	100%	413.6	-60.3	-10	0	-10	3	6	0	0	3.0	0	26.7	
NAP 101 21F	Transferred Tank Pump Room	S9	Exhaust Fans	1	85	100%	413.6	-60.3	-10	0	-10	3	0	0	0	0	0	17.7	
NAP 101 21F	Generator Room	S10	Generator (operations during power failure / maintenance)	2	85	100%	417.7	-60.4	0	-10	-10	3	0	0	0	3.0	0	20.6	
NAP 101 21F	Generator Room	S11	Exhaust Fans	1	85	100%	538.5	-62.6	0	-10	-10	3	0	0	0	0	0	15.4	
NAP 101 21F	Compressor Room	S12	Compressors	1	85	100%	392.7	-59.9	0	-10	-10	3	0	0	0	0	0	18.1	
NAP 101 21F	Compressor Room	S13	Exhaust Fans	1	85	100%	394.1	-59.9	0	-10	-10	3	0	0	0	0	0	18.1	
NAP 101 21F	F.S. Pump Room	S14	Water Pumps	1	85	100%	394.1	-59.9	0	-10	-10	3	6	0	0	0	0	24.1	
NAP 101 21F	F.S. Pump Room	S15	Exhaust Fans	1	85	100%	394.1	-59.9	0	-10	-10	3	0	0	0	0	0	18.1	
NAP 101 21F	Exhaust Fan Room	S16	General Exhaust Fans	5	85	100%	395.9	-60.0	0	-10	-10	3	0	0	0	7.0	0	25.0	
NAP 101 21F	PAU Room 1	S17	PAU	2	85	100%	418.1	-60.4	0	-10	-10	3	0	0	0	3.0	0	20.6	
NAP 101 21F	PAU Room 1	S18	Exhaust Fans	1	85	100%	418.1	-60.4	0	-10	-10	3	0	0	0	0	0	17.6	
NAP 101 21F	Chiller Plant Room	S19	Chiller Plant	2	85	100%	417.4	-60.4	0	-10	-10	3	0	0	0	3.0	0	20.6	
NAP 101 21F	Chiller Plant Room	S20	Exhaust Fans	1	85	100%	422.3	-60.5	0	-10	-10	3	0	0	0	0	0	17.5	
NAP 101 21F	Water Vehicle Filing and Automatic Vehicle Washing System Water Tank and Water Pump Room	S21	Water Pumps	2	85	100%	422.3	-60.5	0	-10	-10	3	6	0	0	3.0	0	26.5	
NAP 101 21F	Water Vehicle Filing and Automatic Vehicle Washing System Water Tank and Water Pump Room	S22	Exhaust Fans	1	85	100%	422.3	-60.5	0	-10	-10	3	0	0	0	0	0	17.5	
NAP 101 21F	Battery Charging Room	S23	Exhaust Fans	1	85	100%	338.9	-58.6	0	0	0	3	0	0	0	0	0	29.4	
NAP 101 21F	Exhaust Fan Room	S24	General Exhaust Fans	4	85	100%	421.7	-60.5	0	-10	-10	3	0	0	0	6.0	0	23.5	
NAP 101 21F	Exhaust Fan Room	S25	Welding Exhaust Fans	2	85	100%	421.7	-60.5	0	-10	-10	3	0	0	0	3.0	0	20.5	
NAP 101 21F	Exhaust Fan Room	S26	Exhaust Fans	3	85	100%	421.7	-60.5	0	-10	-10	3	0	0	0	4.8	0	22.3	
NAP 101 21F	TBE Room	S27	Exhaust Fans	1	85	100%	393.2	-59.9	0	-10	-10	3	0	0	0	0	0	18.1	
NAP 101 21F	PAU Room 2	S28	PAU	5	85	100%	421.2	-60.5	0	-10	-10	3	0	0	0	7.0	0	24.5	
NAP 101 21F	AHU Room	S29	AHU	1	85	100%	381.6	-59.6	0	-10	-10	3	0	0	0	0	0	18.4	
NAP 101 21F	Lift Machine Room	S30	Lift Machine	3	85	100%	350.4	-58.9	0	-5	-5	3	0	0	0	4.8	0	28.9	
NAP 101 21F	Lift Machine Room	S31	Exhaust Fans	1	85	100%	354.4	-59.0	0	0	0	3	0	0	0	0	0	29.0	
NAP 101 21F	Portable Flushing and Makeup Water Pump Room	S32	Water Pumps	3	85	100%	391.7	-59.9	0	-10	-10	3	6	0	0	4.8	0	28.9	
NAP 101 21F	Portable Flushing and Makeup Water Pump Room	S33	Exhaust Fans	1	85	100%	391.7	-59.9	0	-10	-10	3	0	0	0	0	0	18.1	
NAP 101 21F	Cooling Tower Plant Room	S34	Cooling towers	2	100	100%	391.7	-59.9	0	0	0	3	0	0	0	3.0	0	46.1	
NAP 101 21F	L1 HKPF	S36	Hand-held Pneumatic Tools	1	100	7%	376.1	-59.5	0	0	0	3	0	0	0	0	-11.8	31.7	
NAP 101 21F	L1 HKPF	S37	Hammering Activities	3	113	7%	381.1	-59.6	0	0	0	3	0	3	0	4.8	-11.8	52.4	
NAP 101 21F	FEHD	S38	Automatic Vehicle Washing Machine	1	88	27%	374.9	-59.5	0	0	0	3	0	0	0	0	-5.7	25.8	
NAP 101 21F	EMSD Dept	S39	Motorcycle Speedometer Calibrator	1	112	3%	404.6	-60.1	0	0	0	3	0	0	0	0	-14.8	40.1	
NAP 101 21F	EMSD Dept	S40	Tyre Changer	1	98	27%	379.3	-59.6	0	0	0	3	0	0	0	0	-5.7	35.7	
NAP 101 21F	EMSD Dept	S41	Hammering Activities	4	113	7%	364.0	-59.2	0	0	0	3	0	3	0	6.0	-11.8	54.1	
NAP 101 21F	EMSD Dept	S42	Hand-held Pneumatic Tools	4	100	13%	391.0	-59.8	0	0	0	3	0	0	0	6.0	-8.8	40.5	
NAP 101 21F	EMSD Dept	S43	Roller Brake Tester	1	99	5%	340.2	-58.6	0	0	0	3	0	0	0	0	-13.0	30.4	
NAP 101 21F	EMSD Dept	S44	Motorcycle Brake Tester	1	99	20%	391.0	-59.8	0	0	0	3	0	0	0	0	-7.0	35.2	
NAP 101 21F	L1 HKPF	S45	Roller Brake Tester	1	99	20%	376.0	-59.5	0	0	0	3	0	0	0	0	-7.0	35.5	

(Night-time)

NAP ID	Room	Source ID	Identified Noise Sources	Quantity / Max concurrent works, nos.	Maximum Allowable SWL, dB(A)	Percentage on-time over 30 mins	Slant Distance, m	Distance Attenuation, dB(A)	Barrier Correction due to Surrounding Buildings, dB(A)	Barrier Correction due to Interior Structure, dB(A)	Overall Barrier Correction, dB(A)	Façade Correction, dB(A)	Correction for Tonality, dB(A)	Correction for Impulsiveness, dB(A)	Correction for Intermittency, dB(A)	Correction for Quantity, dB(A)	Percentage On-time Correction, dB(A)	Predicted Noise Level, dB(A)	Resultant SPL, Leq(30mins), dB(A)
NAP 101 1F	Chiller Pump Room	S1	Water Pumps	1	85	100%	351.8	-58.9	0	-5	-5	3	6	0	0	0	0	30.1	49
NAP 101 1F	Chiller Pump Room	S2	Exhaust Fans	1	85	100%	360.5	-59.1	0	0	0	3	0	0	0	0	0	28.9	
NAP 101 1F	Exhaust Fan Room	S3	General Exhaust Fans	1	85	100%	385.8	-59.7	0	-10	-10	3	0	0	0	0	0	18.3	
NAP 101 1F	Compressor Room	S4	Compressors	0	85	0%	402.4	-60.1	0	-10	-10	3	0	0	0	0	0	0.0	
NAP 101 1F	Compressor Room	S5	Exhaust Fans	0	85	0%	408.7	-60.2	0	-10	-10	3	0	0	0	0	0	0.0	
NAP 101 1F	Transformer Room	S6	Transformers	2	85	100%	408.7	-60.2	0	-10	-10	3	6	0	0	3.0	0	26.8	
NAP 101 1F	Transformer Room	S7	Exhaust Fans	1	85	100%	408.7	-60.2	0	-10	-10	3	0	0	0	0	0	17.8	
NAP 101 1F	Transferred Tank Pump Room	S8	Transferred Water Pumps	2	85	100%	408.7	-60.2	-10	0	-10	3	6	0	0	3.0	0	26.8	
NAP 101 1F	Transferred Tank Pump Room	S9	Exhaust Fans	1	85	100%	408.7	-60.2	-10	0	-10	3	0	0	0	0	0	17.8	
NAP 101 1F	Generator Room	S10	Generator (operations during power failure / maintenance)	2	85	100%	414.0	-60.3	0	-10	-10	3	0	0	0	3.0	0	20.7	
NAP 101 1F	Generator Room	S11	Exhaust Fans	1	85	100%	534.9	-62.6	0	-10	-10	3	0	0	0	0	0	15.4	
NAP 101 1F	Compressor Room	S12	Compressors	0	85	0%	389.7	-59.8	0	-10	-10	3	0	0	0	0	0	0.0	
NAP 101 1F	Compressor Room	S13	Exhaust Fans	0	85	0%	391.1	-59.8	0	-10	-10	3	0	0	0	0	0	0.0	
NAP 101 1F	F.S. Pump Room	S14	Water Pumps	1	85	100%	391.1	-59.8	0	-10	-10	3	6	0	0	0	0	24.2	
NAP 101 1F	F.S. Pump Room	S15	Exhaust Fans	1	85	100%	391.1	-59.8	0	-10	-10	3	0	0	0	0	0	18.2	
NAP 101 1F	Exhaust Fan Room	S16	General Exhaust Fans	2	85	100%	393.5	-59.9	0	-10	-10	3	0	0	0	3.0	0	21.1	
NAP 101 1F	PAU Room 1	S17	PAU	1	85	100%	415.8	-60.4	0	-10	-10	3	0	0	0	0	0	17.6	
NAP 101 1F	PAU Room 1	S18	Exhaust Fans	0	85	0%	415.8	-60.4	0	-10	-10	3	0	0	0	0	0	0.0	
NAP 101 1F	Chiller Plant Room	S19	Chiller Plant	1	85	100%	415.7	-60.4	0	-10	-10	3	0	0	0	0	0	17.6	
NAP 101 1F	Chiller Plant Room	S20	Exhaust Fans	1	85	100%	420.6	-60.5	0	-10	-10	3	0	0	0	0	0	17.5	
NAP 101 1F	Water Vehicle Filing and Automatic Vehicle Washing System Water Tank and Water Pump Room	S21	Water Pumps	2	85	100%	420.6	-60.5	0	-10	-10	3	6	0	0	3.0	0	26.5	
NAP 101 1F	Water Vehicle Filing and Automatic Vehicle Washing System Water Tank and Water Pump Room	S22	Exhaust Fans	1	85	100%	420.6	-60.5	0	-10	-10	3	0	0	0	0	0	17.5	
NAP 101 1F	Battery Charging Room	S23	Exhaust Fans	0	85	0%	337.9	-58.6	0	0	0	3	0	0	0	0	0	0.0	
NAP 101 1F	Exhaust Fan Room	S24	General Exhaust Fans	0	85	0%	420.9	-60.5	0	-10	-10	3	0	0	0	0	0	0.0	
NAP 101 1F	Exhaust Fan Room	S25	Welding Exhaust Fans	0	85	0%	420.9	-60.5	0	-10	-10	3	0	0	0	0	0	0.0	
NAP 101 1F	Exhaust Fan Room	S26	Exhaust Fans	0	85	0%	420.9	-60.5	0	-10	-10	3	0	0	0	0	0	0.0	
NAP 101 1F	TBE Room	S27	Exhaust Fans	0	85	0%	393.4	-59.9	0	-10	-10	3	0	0	0	0	0	0.0	
NAP 101 1F	PAU Room 2	S28	PAU	0	85	0%	421.4	-60.5	0	-10	-10	3	0	0	0	0	0	0.0	
NAP 101 1F	AHU Room	S29	AHU	0	85	0%	381.9	-59.6	0	-10	-10	3	0	0	0	0	0	0.0	
NAP 101 1F	Lift Machine Room	S30	Lift Machine	1	85	100%	351.5	-58.9	0	-5	-5	3	0	0	0	0	0	24.1	
NAP 101 1F	Lift Machine Room	S31	Exhaust Fans	1	85	100%	355.4	-59.0	0	0	0	3	0	0	0	0	0	29.0	
NAP 101 1F	Portable Flushing and Makeup Water Pump Room	S32	Water Pumps	3	85	100%	392.7	-59.9	0	-10	-10	3	6	0	0	4.8	0	28.9	
NAP 101 1F	Portable Flushing and Makeup Water Pump Room	S33	Exhaust Fans	1	85	100%	392.7	-59.9	0	-10	-10	3	0	0	0	0	0	18.1	
NAP 101 1F	Cooling Tower Plant Room	S34	Cooling towers	1	100	100%	392.7	-59.9	0	0	0	3	0	0	0	0	0	43.1	
NAP 101 1F	L1 HKPF	S36	Hand-held Pneumatic Tools	1	100	2%	370.7	-59.4	0	0	0	3	0	0	0	0	-17.8	25.8	
NAP 101 1F	L1 HKPF	S37	Hammering Activities	1	113	7%	375.8	-59.5	0	0	0	3	0	3	0	0	-11.8	47.7	
NAP 101 1F	FEHD	S38	Automatic Vehicle Washing Machine	1	88	27%	373.0	-59.4	0	0	0	3	0	0	0	0	-6	25.9	
NAP 101 1F	EMSD Dept	S39	Motorcycle Speedometer Calibrator	0	112	0%	403.8	-60.1	0	0	0	3	0	0	0	0	0	0.0	
NAP 101 1F	EMSD Dept	S40	Tyre Changer	0	98	0%	378.4	-59.6	0	0	0	3	0	0	0	0	0	0.0	
NAP 101 1F	EMSD Dept	S41	Hammering Activities	0	113	0%	363.1	-59.2	0	0	0	3	0	3	0	0	0	0.0	
NAP 101 1F	EMSD Dept	S42	Hand-held Pneumatic Tools	0	100	0%	390.2	-59.8	0	0	0	3	0	0	0	0	0	0.0	
NAP 101 1F	EMSD Dept	S43	Roller Brake Tester	0	99	0%	339.2	-58.6	0	0	0	3	0	0	0	0	0	0.0	
NAP 101 1F	EMSD Dept	S44	Motorcycle Brake Tester	0	99	0%	390.2	-59.8	0	0	0	3	0	0	0	0	0	0.0	
NAP 101 1F	L1 HKPF	S45	Roller Brake Tester	1	99	7%	374.4	-59.5	0	0	0	3	0	0	0	0	-11.8	30.7	
NAP 101 10F	Chiller Pump Room	S1	Water Pumps	1	85	100%	353.1	-59.0	0	-5	-5	3	6	0	0	0	0	30.0	49
NAP 101 10F	Chiller Pump Room	S2	Exhaust Fans	1	85	100%	361.8	-59.2	0	0	0	3	0	0	0	0	0	28.8	
NAP 101 10F	Exhaust Fan Room	S3	General Exhaust Fans	1	85	100%	387.0	-59.8	0	-10	-10	3	0	0	0	0	0	18.2	
NAP 101 10F	Compressor Room	S4	Compressors	0	85	0%	403.6	-60.1	0	-10	-10	3	0	0	0	0	0	0.0	
NAP 101 10F	Compressor Room	S5	Exhaust Fans	0	85	0%	409.9	-60.3	0	-10	-10	3	0	0	0	0	0	0.0	
NAP 101 10F	Transformer Room	S6	Transformers	2	85	100%	409.9	-60.3	0	-10	-10	3	6	0	0	3.0	0	26.7	
NAP 101 10F	Transformer Room	S7	Exhaust Fans	1	85	100%	409.9	-60.3	0	-10	-10	3	0	0	0	0	0	17.7	
NAP 101 10F	Transferred Tank Pump Room	S8	Transferred Water Pumps	2	85	100%	409.9	-60.3	-10	0	-10	3	6	0	0	3.0	0	26.7	
NAP 101 10F	Transferred Tank Pump Room	S9	Exhaust Fans	1	85	100%	409.9	-60.3	-10	0	-10	3	0	0	0	0	0	17.7	
NAP 101 10F	Generator Room	S10	Generator (operations during power failure / maintenance)	2	85	100%	414.6	-60.4	0	-10	-10	3	0	0	0	3.0	0	20.6	
NAP 101 10F	Generator Room	S11	Exhaust Fans	1	85	100%	535.7	-62.6	0	-10	-10	3	0	0	0	0	0	15.4	
NAP 101 10F	Compressor Room	S12	Compressors	0	85	0%	389.9	-59.8	0	-10	-10	3	0	0	0	0	0	0.0	
NAP 101 10F	Compressor Room	S13	Exhaust Fans	0	85	0%	391.4	-59.9	0	-10	-10	3	0	0	0	0	0	0.0	
NAP 101 10F	F.S. Pump Room	S14	Water Pumps	1	85	100%	391.4	-59.9	0	-10	-10	3	6	0	0	0	0	24.1	
NAP 101 10F	F.S. Pump Room	S15	Exhaust Fans	1	85	100%	391.4	-59.9	0	-10	-10	3	0	0	0	0	0	18.1	
NAP 101 10F	Exhaust Fan Room	S16	General Exhaust Fans	2	85	100%	393.4	-59.9	0	-10	-10	3	0	0	0	3.0	0	21.1	
NAP 101 10F	PAU Room 1	S17	PAU	1	85	100%	415.8	-60.4	0	-10	-10	3	0	0	0	0	0	17.6	
NAP 101 10F	PAU Room 1	S18	Exhaust Fans	0	85	0%	415.8	-60.4	0	-10	-10	3	0	0	0	0	0	0.0	
NAP 101 10F	Chiller Plant Room	S19	Chiller Plant	1	85	100%	415.4	-60.4	0	-10	-10	3	0	0	0	0	0	17.6	
NAP 101 10F	Chiller Plant Room	S20	Exhaust Fans	1	85	100%	420.3	-60.5	0	-10	-10	3	0	0	0	0	0	17.5	
NAP 101 10F	Water Vehicle Filing and Automatic Vehicle Washing System Water Tank and Water Pump Room	S21	Water Pumps	2	85	100%	420.3	-60.5	0	-10	-10	3	6	0	0	3.0	0	26.5	
NAP 101 10F	Water Vehicle Filing and Automatic Vehicle Washing System Water Tank and Water Pump Room	S22	Exhaust Fans	1	85	100%	420.3	-60.5	0	-10	-10	3	0	0	0	0	0	17.5	
NAP 101 10F	Battery Charging Room	S23	Exhaust Fans	0	85	0%	337.0	-58.6	0	0	0	3	0	0	0	0	0	0.0	
NAP 101 10F	Exhaust Fan Room	S24	General Exhaust Fans	0	85	0%	420.2	-60.5	0	-10	-10	3	0	0	0	0	0	0.0	
NAP 101 10F	Exhaust Fan Room	S25	Welding Exhaust Fans	0	85	0%	420.2	-60.5	0	-10	-10	3	0	0	0	0	0	0.0	
NAP 101 10F	Exhaust Fan Room	S26	Exhaust Fans	0	85	0%	420.2	-60.5	0	-10	-10	3	0	0	0	0	0	0.0	
NAP 101 10F	TBE Room	S27	Exhaust Fans	0	85	0%	392.2	-59.9	0	-10	-10	3	0	0	0	0	0	0.0	
NAP 101 10F	PAU Room 2	S28	PAU	0	85	0%	420.2	-60.5	0	-10	-10	3	0	0	0	0	0	0.0	
NAP 101 10F	AHU Room	S29	AHU	0	85	0%	380.6	-59.6	0	-10	-10	3	0	0	0	0	0	0.0	
NAP 101 10F	Lift Machine Room	S30	Lift Machine	1	85	100%	349.8	-58.9	0	-5	-5	3	0	0	0	0	0	24.1	
NAP 101 10F	Lift Machine Room	S31	Exhaust Fans	1	85	100%	353.7	-59.0	0	0	0	3	0	0	0	0	0	29.0	
NAP 101 10F	Portable Flushing and Makeup Water Pump Room	S32	Water Pumps	3	85	100%	391.1	-59.8	0	-10	-10	3	6	0	0	4.8	0	29.0	
NAP 101 10F	Portable Flushing and Makeup Water Pump Room	S33	Exhaust Fans	1	85	100%	391.1	-59.8	0	-10	-10	3	0	0	0	0	0	18.2	
NAP 101 10F	Cooling Tower Plant Room	S34	Cooling towers	1	100	100%	391.1	-59.8	0	0	0	3	0	0	0	0	0	43.2	
NAP 101 10F	L1 HKPF	S36	Hand-held Pneumatic Tools	1	100	2%	371.9	-59.4	0	0	0	3	0	0	0	0	-17.8	25.8	
NAP 101 10F	L1 HKPF	S37	Hammering Activities	1	113	7%	377.0	-59.5	0	0	0	3	0	3	0	0	-11.8	47.7	
NAP 101 10F	FEHD	S38	Automatic Vehicle Washing Machine	1	88	27%	372.6	-59.4	0	0	0	3	0	0	0	0	-6	25.9	
NAP 101 10F	EMSD Dept	S39	Motorcycle Speedometer Calibrator	0	112	0%	403.1	-60.1	0	0	0	3	0	0	0	0	0	0.0	
NAP 101 10F	EMSD Dept	S40	Tyre Changer	0	98	0%	377.6	-59.5	0	0	0	3	0	0	0	0	0	0.0	
NAP 101 10F	EMSD Dept	S41	Hammering Activities	0	113	0%	362.3	-59.2	0	0	0	3	0	3	0	0	0	0.0	
NAP 101 10F	EMSD Dept	S42	Hand-held Pneumatic Tools	0	100	0%	389.4	-59.8	0	0	0	3	0	0	0	0	0	0.0	
NAP 101 10F	EMSD Dept	S43	Roller Brake Tester	0	99	0%	338.3	-58.6	0	0	0	3	0	0	0	0	0	0.0	
NAP 101 10F	EMSD Dept	S44	Motorcycle Brake Tester	0	99	0%	389.4	-59.8	0	0	0	3	0	0	0	0	0	0.0	
NAP 101 10F	L1 HKPF	S45	Roller Brake Tester	1	99	7%	374.4	-59.5	0	0	0	3	0	0	0	0	-11.8	30.7	
NAP 101 21F	Chiller Pump Room	S1	Water Pumps	1	85	100%	357.5	-59.1	0	-5	-5	3	6	0	0	0	0	29.9	49
NAP 101 21F	Chiller Pump Room	S2	Exhaust Fans	1	85	100%	366.0	-59.3	0	0	0	3	0	0	0	0	0	28.7	
NAP 101 21F	Exhaust Fan Room	S3	General Exhaust Fans	1	85	100%	391.0	-59.8	0	-10	-10	3	0	0	0	0	0	18.2	
NAP 101 21F	Compressor Room	S4	Compressors	0	85	0%	407.4	-60.2	0	-10	-10	3	0	0	0	0	0	0.0	
NAP 101 21F	Compressor Room	S5	Exhaust Fans	0	85	0%	413.6	-60.3	0	-10	-10	3	0	0	0	0	0	0.0	
NAP 101 21F	Transformer Room	S6	Transformers	2	85	100%	413.6	-60.3	0	-10	-10	3	6	0	0	3.0	0	26.7	
NAP 101 21F	Transformer Room	S7	Exhaust Fans	1	85	100%	413.6	-60.3	0	-10	-10	3	0	0	0	0	0	17.7	
NAP 101 21F	Transferred Tank Pump Room	S8	Transferred Water Pumps	2	85	100%	413.6	-60.3	-10	0	-10	3	6	0	0	3.0	0	26.7	
NAP 101 21F	Transferred Tank Pump Room	S9	Exhaust Fans	1	85	100%	413.6	-60.3	-10	0	-10	3	0	0	0	0	0	17.7	
NAP 101 21F	Generator Room	S10	Generator (operations during power failure / maintenance)	2	85	100%	417.7	-60.4	0	-10	-10	3	0	0	0	3.0	0	20.6	
NAP 101 21F	Generator Room	S11	Exhaust Fans	1	85	100%	538.5	-62.6	0	-10	-10	3	0	0	0	0	0	15.4	
NAP 101 21F	Compressor Room	S12	Compressors	0	85	0%	392.7	-59.9	0	-10	-10	3	0	0	0	0	0	0.0	
NAP 101 21F	Compressor Room	S13	Exhaust Fans	0	85	0%	394.1	-59.9	0	-10	-10	3	0	0	0	0	0	0.0	
NAP 101 21F	F.S. Pump Room	S14	Water Pumps	1	85	100%	394.1	-59.9	0	-10	-10	3	6	0	0	0	0	24.1	
NAP 101 21F	F.S. Pump Room	S15	Exhaust Fans	1	85	100%	394.1	-59.9	0	-10	-10	3	0	0	0	0	0	18.1	
NAP 101 21F	Exhaust Fan Room	S16	General Exhaust Fans	2	85	100%	395.9	-60.0	0	-10	-10	3	0	0	0	3.0	0	21.0	
NAP 101 21F	PAU Room 1	S17	PAU	1	85	100%	418.1	-60.4	0	-10	-10	3	0	0	0	0	0	17.6	
NAP 101 21F	PAU Room 1	S18	Exhaust Fans	0	85	0%	418.1	-60.4	0	-10	-10	3	0	0	0	0	0	0.0	
NAP 101 21F	Chiller Plant Room	S19	Chiller Plant	1	85	100%	417.4	-60.4	0	-10	-10	3	0	0	0	0	0	17.6	
NAP 101 21F	Chiller Plant Room	S20	Exhaust Fans	1	85	100%	422.3	-60.5	0	-10	-10	3	0	0	0	0	0	17.5	
NAP 101 21F	Water Vehicle Filing and Automatic Vehicle Washing System Water Tank and Water Pump Room	S21	Water Pumps	2	85	100%	422.3	-60.5	0	-10	-10	3	6	0	0	3.0	0	26.5	
NAP 101 21F	Water Vehicle Filing and Automatic Vehicle Washing System Water Tank and Water Pump Room	S22	Exhaust Fans	1	85	100%	422.3	-60.5	0	-10	-10	3	0	0	0	0	0	17.5	
NAP 101 21F	Battery Charging Room	S23	Exhaust Fans	0	85	0%	338.9	-58.6	0	0	0	3	0	0	0	0	0	0.0	
NAP 101 21F	Exhaust Fan Room	S24	General Exhaust Fans	0	85	0%	421.7	-60.5	0	-10	-10	3	0	0	0	0	0	0.0	
NAP 101 21F	Exhaust Fan Room	S25	Welding Exhaust Fans	0	85	0%	421.7	-60.5	0	-10	-10	3	0	0	0	0	0	0.0	
NAP 101 21F	Exhaust Fan Room	S26	Exhaust Fans	0	85	0%	421.7	-60.5	0	-10	-10	3	0	0	0	0	0	0.0	
NAP 101 21F	TBE Room	S27	Exhaust Fans	0	85	0%	393.2	-59.9	0	-10	-10	3	0	0	0	0	0	0.0	
NAP 101 21F	PAU Room 2	S28	PAU	0	85	0%	421.2	-60.5	0	-10	-10	3	0	0	0	0	0	0.0	
NAP 101 21F	AHU Room	S29	AHU	0	85	0%	381.6	-59.6	0	-10	-10	3	0	0	0	0	0	0.0	
NAP 101 21F	Lift Machine Room	S30	Lift Machine	1	85	100%	350.4	-58.9	0	-5	-5	3	0	0	0	0	0	24.1	
NAP 101 21F	Lift Machine Room	S31	Exhaust Fans	1	85	100%	354.4	-59.0	0	0	0	3	0	0	0	0	0	29.0	
NAP 101 21F	Portable Flushing and Makeup Water Pump Room	S32	Water Pumps	3	85	100%	391.7	-59.9	0	-10	-10	3	6	0	0	4.8	0	28.9	
NAP 101 21F	Portable Flushing and Makeup Water Pump Room	S33	Exhaust Fans	1	85	100%	391.7	-59.9	0	-10	-10	3	0	0	0	0	0	18.1	
NAP 101 21F	Cooling Tower Plant Room	S34	Cooling towers	1	100	100%	391.7	-59.9	0	0	0	3	0	0	0	0	0	43.1	
NAP 101 21F	L1 HKPF	S36	Hand-held Pneumatic Tools	1	100	2%	376.1	-59.5	0	0	0	3	0	0	0	0	-17.8	25.7	
NAP 101 21F	L1 HKPF	S37	Hammering Activities	1	113	7%	381.1	-59.6	0	0	0	3	0	3	0	0	-11.8	47.6	
NAP 101 21F	FEHD	S38	Automatic Vehicle Washing Machine	1	88	27%	374.9	-59.5	0	0	0	3	0	0	0	0	-6	25.8	
NAP 101 21F	EMSD Dept	S39	Motorcycle Speedometer Calibrator	0	112	0%	404.6	-60.1	0	0	0	3	0	0	0	0	0	0.0	
NAP 101 21F	EMSD Dept	S40	Tyre Changer	0	98	0%	379.3	-59.6	0	0	0	3	0	0	0	0	0	0.0	
NAP 101 21F	EMSD Dept	S41	Hammering Activities	0	113	0%	364.0	-59.2	0	0	0	3	0	3	0	0	0	0.0	
NAP 101 21F	EMSD Dept	S42	Hand-held Pneumatic Tools	0	100	0%	391.0	-59.8	0	0	0	3	0	0	0	0	0	0.0	
NAP 101 21F	EMSD Dept	S43	Roller Brake Tester	0	99	0%	340.2	-58.6	0	0	0	3	0	0	0	0	0	0.0	
NAP 101 21F	EMSD Dept	S44	Motorcycle Brake Tester	0	99	0%	391.0	-59.8	0	0	0	3	0	0	0	0	0	0.0	
NAP 101 21F	L1 HKPF	S45	Roller Brake Tester	1	99	7%	376.0	-59.5	0	0	0	3	0	0	0	0	-11.8	30.7	

(Day / Evening Time)

NAP ID	Room	Source ID	Identified Noise Sources	Quantity / Max concurrent works, nos.	Maximum Allowable SWL, dB(A)	Percentage on-time over 30 mins	Slant Distance, m	Distance Attenuation, dB(A)	Barrier Correction due to Surrounding Buildings, dB(A)	Barrier Correction due to Interior Structure, dB(A)	Overall Barrier Correction, dB(A)	Façade Correction, dB(A)	Correction for Tonality, dB(A)	Correction for Impulsiveness, dB(A)	Correction for Intermittency, dB(A)	Correction for Quantity, dB(A)	Percentage On-time Correction, dB(A)	Predicted Noise Level, dB(A)	Resultant SPL, Leq(30mins), dB(A)
NAP 201 1F	Chiller Pump Room	S1	Water Pumps	2	85	100%	148.9	-51.5	0	-5	-5	3	6	0	0	3.0	0	40.5	63
NAP 201 1F	Chiller Pump Room	S2	Exhaust Fans	1	85	100%	146.7	-51.3	0	0	0	3	0	0	0	0	0	36.7	
NAP 201 1F	Exhaust Fan Room	S3	General Exhaust Fans	5	85	100%	161.9	-52.2	0	0	0	3	0	0	0	7.0	0	42.8	
NAP 201 1F	Compressor Room	S4	Compressors	1	85	100%	186.5	-53.4	0	-5	-5	3	0	0	0	0	0	29.6	
NAP 201 1F	Compressor Room	S5	Exhaust Fans	1	85	100%	192.0	-53.7	0	0	0	3	0	0	0	0	0	34.3	
NAP 201 1F	Transformer Room	S6	Transformers	2	85	100%	192.0	-53.7	0	-10	-10	3	6	0	0	3.0	0	33.3	
NAP 201 1F	Transformer Room	S7	Exhaust Fans	1	85	100%	192.0	-53.7	0	-10	-10	3	0	0	0	0	0	24.3	
NAP 201 1F	Transferred Tank Pump Room	S8	Transferred Water Pumps	2	85	100%	192.0	-53.7	0	-10	-10	3	6	0	0	3.0	0	33.3	
NAP 201 1F	Transferred Tank Pump Room	S9	Exhaust Fans	1	85	100%	192.0	-53.7	0	0	0	3	0	0	0	0	0	34.3	
NAP 201 1F	Generator Room	S10	Generator (operations during power failure / maintenance)	2	85	100%	213.4	-54.6	0	0	0	3	0	0	0	3.0	0	36.4	
NAP 201 1F	Generator Room	S11	Exhaust Fans	1	85	100%	252.9	-56.1	0	0	0	3	0	0	0	0	0	31.9	
NAP 201 1F	Compressor Room	S12	Compressors	1	85	100%	173.6	-52.8	0	-5	-5	3	0	0	0	0	0	30.2	
NAP 201 1F	Compressor Room	S13	Exhaust Fans	1	85	100%	168.2	-52.5	0	0	0	3	0	0	0	0	0	35.5	
NAP 201 1F	F.S. Pump Room	S14	Water Pumps	1	85	100%	168.2	-52.5	0	-5	-5	3	6	0	0	0	0	36.5	
NAP 201 1F	F.S. Pump Room	S15	Exhaust Fans	1	85	100%	168.2	-52.5	0	0	0	3	0	0	0	0	0	35.5	
NAP 201 1F	Exhaust Fan Room	S16	General Exhaust Fans	5	85	100%	172.1	-52.7	0	0	0	3	0	0	0	7.0	0	42.3	
NAP 201 1F	PAU Room 1	S17	PAU	2	85	100%	213.1	-54.6	0	0	0	3	0	0	0	3.0	0	36.4	
NAP 201 1F	PAU Room 1	S18	Exhaust Fans	1	85	100%	213.1	-54.6	0	0	0	3	0	0	0	0	0	33.4	
NAP 201 1F	Chiller Plant Room	S19	Chiller Plant	2	85	100%	211.7	-54.5	0	0	0	3	0	0	0	3.0	0	36.5	
NAP 201 1F	Chiller Plant Room	S20	Exhaust Fans	1	85	100%	214.0	-54.6	0	0	0	3	0	0	0	0	0	33.4	
NAP 201 1F	Water Vehicle Filing and Automatic Vehicle Washing System Water Tank and Water Pump Room	S21	Water Pumps	2	85	100%	214.0	-54.6	0	-10	-10	3	6	0	0	3.0	0	32.4	
NAP 201 1F	Water Vehicle Filing and Automatic Vehicle Washing System Water Tank and Water Pump Room	S22	Exhaust Fans	1	85	100%	214.0	-54.6	0	0	0	3	0	0	0	0	0	33.4	
NAP 201 1F	Battery Charging Room	S23	Exhaust Fans	1	85	100%	151.2	-51.6	0	0	0	3	0	0	0	0	0	36.4	
NAP 201 1F	Exhaust Fan Room	S24	General Exhaust Fans	4	85	100%	214.7	-54.6	0	0	0	3	0	0	0	6.0	0	39.4	
NAP 201 1F	Exhaust Fan Room	S25	Welding Exhaust Fans	2	85	100%	214.7	-54.6	0	0	0	3	0	0	0	3.0	0	36.4	
NAP 201 1F	Exhaust Fan Room	S26	Exhaust Fans	3	85	100%	214.7	-54.6	0	0	0	3	0	0	0	4.8	0	38.2	
NAP 201 1F	TBE Room	S27	Exhaust Fans	1	85	100%	173.3	-52.8	0	0	0	3	0	0	0	0	0	35.2	
NAP 201 1F	PAU Room 2	S28	PAU	5	85	100%	215.7	-54.7	0	0	0	3	0	0	0	7.0	0	40.3	
NAP 201 1F	AHU Room	S29	AHU	1	85	100%	227.4	-55.1	0	-10	-10	3	0	0	0	0	0	22.9	
NAP 201 1F	Lift Machine Room	S30	Lift Machine	3	85	100%	151.5	-51.6	0	-5	-5	3	0	0	0	4.8	0	36.2	
NAP 201 1F	Lift Machine Room	S31	Exhaust Fans	1	85	100%	151.6	-51.6	0	0	0	3	0	0	0	0	0	36.4	
NAP 201 1F	Portable Flushing and Makeup Water Pump Room	S32	Water Pumps	3	85	100%	172.1	-52.7	0	-5	-5	3	6	0	0	4.8	0	41.1	
NAP 201 1F	Portable Flushing and Makeup Water Pump Room	S33	Exhaust Fans	1	85	100%	172.1	-52.7	0	0	0	3	0	0	0	0	0	35.3	
NAP 201 1F	Cooling Tower Plant Room	S34	Cooling towers	2	100	100%	172.1	-52.7	0	0	0	3	0	0	0	3.0	0	53.3	
NAP 201 1F	L1 HKPF	S36	Hand-held Pneumatic Tools	1	100	7%	165.8	-52.4	0	0	0	3	0	0	0	0	-11.8	38.8	
NAP 201 1F	L1 HKPF	S37	Hammering Activities	3	113	7%	212.7	-54.6	0	0	0	3	0	3	0	4.8	-11.8	57.4	
NAP 201 1F	FEHD	S38	Automatic Vehicle Washing Machine	1	88	27%	188.4	-53.5	0	0	0	3	0	0	0	0	-6	31.8	
NAP 201 1F	EMSD Dept	S39	Motorcycle Speedometer Calibrator	1	112	3%	199.5	-54.0	0	0	0	3	0	0	0	0	-14.8	46.2	
NAP 201 1F	EMSD Dept	S40	Tyre Changer	1	98	27%	158.0	-52.0	0	0	0	3	0	0	0	0	-5.7	43.3	
NAP 201 1F	EMSD Dept	S41	Hammering Activities	4	113	7%	204.0	-54.2	0	0	0	3	0	3	0	6.0	-11.8	59.1	
NAP 201 1F	EMSD Dept	S42	Hand-held Pneumatic Tools	4	100	13%	173.4	-52.8	0	0	0	3	0	0	0	6.0	-8.8	47.5	
NAP 201 1F	EMSD Dept	S43	Roller Brake Tester	1	99	5%	178.3	-53.0	0	0	0	3	0	0	0	0	-13.0	36.0	
NAP 201 1F	EMSD Dept	S44	Motorcycle Brake Tester	1	99	20%	173.4	-52.8	0	0	0	3	0	0	0	0	-7.0	42.2	
NAP 201 1F	L1 HKPF	S45	Roller Brake Tester	1	99	20%	152.3	-51.7	0	0	0	3	0	0	0	0	-7.0	43.3	
NAP 201 3F	Chiller Pump Room	S1	Water Pumps	2	85	100%	149.1	-51.5	0	-5	-5	3	6	0	0	3.0	0	40.5	63
NAP 201 3F	Chiller Pump Room	S2	Exhaust Fans	1	85	100%	146.9	-51.3	0	0	0	3	0	0	0	0	0	36.7	
NAP 201 3F	Exhaust Fan Room	S3	General Exhaust Fans	5	85	100%	162.1	-52.2	0	0	0	3	0	0	0	7.0	0	42.8	
NAP 201 3F	Compressor Room	S4	Compressors	1	85	100%	186.7	-53.4	0	-5	-5	3	0	0	0	0	0	29.6	
NAP 201 3F	Compressor Room	S5	Exhaust Fans	1	85	100%	192.2	-53.7	0	0	0	3	0	0	0	0	0	34.3	
NAP 201 3F	Transformer Room	S6	Transformers	2	85	100%	192.2	-53.7	0	-10	-10	3	6	0	0	3.0	0	33.3	
NAP 201 3F	Transformer Room	S7	Exhaust Fans	1	85	100%	192.2	-53.7	0	-10	-10	3	0	0	0	0	0	24.3	
NAP 201 3F	Transferred Tank Pump Room	S8	Transferred Water Pumps	2	85	100%	192.2	-53.7	0	-10	-10	3	6	0	0	3.0	0	33.3	
NAP 201 3F	Transferred Tank Pump Room	S9	Exhaust Fans	1	85	100%	192.2	-53.7	0	0	0	3	0	0	0	0	0	34.3	
NAP 201 3F	Generator Room	S10	Generator (operations during power failure / maintenance)	2	85	100%	213.3	-54.6	0	0	0	3	0	0	0	3.0	0	36.4	
NAP 201 3F	Generator Room	S11	Exhaust Fans	1	85	100%	253.0	-56.1	0	0	0	3	0	0	0	0	0	31.9	
NAP 201 3F	Compressor Room	S12	Compressors	1	85	100%	173.2	-52.8	0	-5	-5	3	0	0	0	0	0	30.2	
NAP 201 3F	Compressor Room	S13	Exhaust Fans	1	85	100%	167.9	-52.5	0	0	0	3	0	0	0	0	0	35.5	
NAP 201 3F	F.S. Pump Room	S14	Water Pumps	1	85	100%	167.9	-52.5	0	-5	-5	3	6	0	0	0	0	36.5	
NAP 201 3F	F.S. Pump Room	S15	Exhaust Fans	1	85	100%	167.9	-52.5	0	0	0	3	0	0	0	0	0	35.5	
NAP 201 3F	Exhaust Fan Room	S16	General Exhaust Fans	5	85	100%	171.6	-52.7	0	0	0	3	0	0	0	7.0	0	42.3	
NAP 201 3F	PAU Room 1	S17	PAU	2	85	100%	212.7	-54.6	0	0	0	3	0	0	0	3.0	0	36.4	
NAP 201 3F	PAU Room 1	S18	Exhaust Fans	1	85	100%	212.7	-54.6	0	0	0	3	0	0	0	0	0	33.4	
NAP 201 3F	Chiller Plant Room	S19	Chiller Plant	2	85	100%	211.2	-54.5	0	0	0	3	0	0	0	3.0	0	36.5	
NAP 201 3F	Chiller Plant Room	S20	Exhaust Fans	1	85	100%	213.5	-54.6	0	0	0	3	0	0	0	0	0	33.4	
NAP 201 3F	Water Vehicle Filing and Automatic Vehicle Washing System Water Tank and Water Pump Room	S21	Water Pumps	2	85	100%	213.5	-54.6	0	-10	-10	3	6	0	0	3.0	0	32.4	
NAP 201 3F	Water Vehicle Filing and Automatic Vehicle Washing System Water Tank and Water Pump Room	S22	Exhaust Fans	1	85	100%	213.5	-54.6	0	0	0	3	0	0	0	0	0	33.4	
NAP 201 3F	Battery Charging Room	S23	Exhaust Fans	1	85	100%	150.2	-51.5	0	0	0	3	0	0	0	0	0	36.5	
NAP 201 3F	Exhaust Fan Room	S24	General Exhaust Fans	4	85	100%	214.0	-54.6	0	0	0	3	0	0	0	6.0	0	39.4	
NAP 201 3F	Exhaust Fan Room	S25	Welding Exhaust Fans	2	85	100%	214.0	-54.6	0	0	0	3	0	0	0	3.0	0	36.4	
NAP 201 3F	Exhaust Fan Room	S26	Exhaust Fans	3	85	100%	214.0	-54.6	0	0	0	3	0	0	0	4.8	0	38.2	
NAP 201 3F	TBE Room	S27	Exhaust Fans	1	85	100%	172.2	-52.7	0	0	0	3	0	0	0	0	0	35.3	
NAP 201 3F	PAU Room 2	S28	PAU	5	85	100%	214.8	-54.6	0	0	0	3	0	0	0	7.0	0	40.4	
NAP 201 3F	AHU Room	S29	AHU	1	85	100%	226.6	-55.1	0	-10	-10	3	0	0	0	0	0	22.9	
NAP 201 3F	Lift Machine Room	S30	Lift Machine	3	85	100%	150.1	-51.5	0	-5	-5	3	0	0	0	4.8	0	36.3	
NAP 201 3F	Lift Machine Room	S31	Exhaust Fans	1	85	100%	150.1	-51.5	0	0	0	3	0	0	0	0	0	36.5	
NAP 201 3F	Portable Flushing and Makeup Water Pump Room	S32	Water Pumps	3	85	100%	170.9	-52.7	0	-5	-5	3	6	0	0	4.8	0	41.1	
NAP 201 3F	Portable Flushing and Makeup Water Pump Room	S33	Exhaust Fans	1	85	100%	170.9	-52.7	0	0	0	3	0	0	0	0	0	35.3	
NAP 201 3F	Cooling Tower Plant Room	S34	Cooling towers	2	100	100%	170.9	-52.7	0	0	0	3	0	0	0	3.0	0	53.3	
NAP 201 3F	L1 HKPF	S36	Hand-held Pneumatic Tools	1	100	7%	165.9	-52.4	0	0	0	3	0	0	0	0	-11.8	38.8	
NAP 201 3F	L1 HKPF	S37	Hammering Activities	3	113	7%	212.8	-54.6	0	0	0	3	0	3	0	4.8	-11.8	57.4	
NAP 201 3F	FEHD	S38	Automatic Vehicle Washing Machine	1	88	27%	187.8	-53.5	0	0	0	3	0	0	0	0	-6	31.8	
NAP 201 3F	EMSD Dept	S39	Motorcycle Speedometer Calibrator	1	112	3%	198.8	-54.0	0	0	0	3	0	0	0	0	-14.8	46.2	
NAP 201 3F	EMSD Dept	S40	Tyre Changer	1	98	27%	157.1	-51.9	0	0	0	3	0	0	0	0	-5.7	43.4	
NAP 201 3F	EMSD Dept	S41	Hammering Activities	4	113	7%	203.3	-54.2	0	0	0	3	0	3	0	6.0	-11.8	59.1	
NAP 201 3F	EMSD Dept	S42	Hand-held Pneumatic Tools	4	100	13%	172.5	-52.7	0	0	0	3	0	0	0	6.0	-8.8	47.6	
NAP 201 3F	EMSD Dept	S43	Roller Brake Tester	1	99	5%	177.5	-53.0	0	0	0	3	0	0	0	0	-13.0	36.0	
NAP 201 3F	EMSD Dept	S44	Motorcycle Brake Tester	1	99	20%	172.5	-52.7	0	0	0	3	0	0	0	0	-7.0	42.3	
NAP 201 3F	L1 HKPF	S45	Roller Brake Tester	1	99	20%	151.4	-51.6	0	0	0	3	0	0	0	0	-7.0	43.4	
NAP 201 6F	Chiller Pump Room	S1	Water Pumps	2	85	100%	149.8	-51.5	0	-5	-5	3	6	0	0	3.0	0	40.5	63
NAP 201 6F	Chiller Pump Room	S2	Exhaust Fans	1	85	100%	147.6	-51.4	0	0	0	3	0	0	0	0	0	36.6	
NAP 201 6F	Exhaust Fan Room	S3	General Exhaust Fans	5	85	100%	162.7	-52.2	0	0	0	3	0	0	0	7.0	0	42.8	
NAP 201 6F	Compressor Room	S4	Compressors	1	85	100%	187.3	-53.5	0	-5	-5	3	0	0	0	0	0	29.5	
NAP 201 6F	Compressor Room	S5	Exhaust Fans	1	85	100%	192.7	-53.7	0	0	0	3	0	0	0	0	0	34.3	
NAP 201 6F	Transformer Room	S6	Transformers	2	85	100%	192.7	-53.7	0	-10	-10	3	6	0	0	3.0	0	33.3	
NAP 201 6F	Transformer Room	S7	Exhaust Fans	1	85	100%	192.7	-53.7	0	-10	-10	3	0	0	0	0	0	24.3	
NAP 201 6F	Transferred Tank Pump Room	S8	Transferred Water Pumps	2	85	100%	192.7	-53.7	0	-10	-10	3	6	0	0	3.0	0	33.3	
NAP 201 6F	Transferred Tank Pump Room	S9	Exhaust Fans	1	85	100%	192.7	-53.7	0	0	0	3	0	0	0	0	0	34.3	
NAP 201 6F	Generator Room	S10	Generator (operations during power failure / maintenance)	2	85	100%	213.5	-54.6	0	0	0	3	0	0	0	3.0	0	36.4	
NAP 201 6F	Generator Room	S11	Exhaust Fans	1	85	100%	253.4	-56.1	0	0	0	3	0	0	0	0	0	31.9	
NAP 201 6F	Compressor Room	S12	Compressors	1	85	100%	173.1	-52.8	0	-5	-5	3	0	0	0	0	0	30.2	
NAP 201 6F	Compressor Room	S13	Exhaust Fans	1	85	100%	167.7	-52.5	0	0	0	3	0	0	0	0	0	35.5	
NAP 201 6F	F.S. Pump Room	S14	Water Pumps	1	85	100%	167.7	-52.5	0	-5	-5	3	6	0	0	0	0	36.5	
NAP 201 6F	F.S. Pump Room	S15	Exhaust Fans	1	85	100%	167.7	-52.5	0	0	0	3	0	0	0	0	0	35.5	
NAP 201 6F	Exhaust Fan Room	S16	General Exhaust Fans	5	85	100%	171.3	-52.7	0	0	0	3	0	0	0	7.0	0	42.3	
NAP 201 6F	PAU Room 1	S17	PAU	2	85	100%	212.4	-54.5	0	0	0	3	0	0	0	3.0	0	36.5	
NAP 201 6F	PAU Room 1	S18	Exhaust Fans	1	85	100%	212.4	-54.5	0	0	0	3	0	0	0	0	0	33.5	
NAP 201 6F	Chiller Plant Room	S19	Chiller Plant	2	85	100%	210.7	-54.5	0	0	0	3	0	0	0	3.0	0	36.5	
NAP 201 6F	Chiller Plant Room	S20	Exhaust Fans	1	85	100%	213.1	-54.6	0	0	0	3	0	0	0	0	0	33.4	
NAP 201 6F	Water Vehicle Filing and Automatic Vehicle Washing System Water Tank and Water Pump Room	S21	Water Pumps	2	85	100%	213.1	-54.6	0	-10	-10	3	6	0	0	3.0	0	32.4	
NAP 201 6F	Water Vehicle Filing and Automatic Vehicle Washing System Water Tank and Water Pump Room	S22	Exhaust Fans	1	85	100%	213.1	-54.6	0	0	0	3	0	0	0	0	0	33.4	
NAP 201 6F	Battery Charging Room	S23	Exhaust Fans	1	85	100%	149.2	-51.5	0	0	0	3	0	0	0	0	0	36.5	
NAP 201 6F	Exhaust Fan Room	S24	General Exhaust Fans	4	85	100%	213.3	-54.6	0	0	0	3	0	0	0	6.0	0	39.4	
NAP 201 6F	Exhaust Fan Room	S25	Welding Exhaust Fans	2	85	100%	213.3	-54.6	0	0	0	3	0	0	0	3.0	0	36.4	
NAP 201 6F	Exhaust Fan Room	S26	Exhaust Fans	3	85	100%	213.3	-54.6	0	0	0	3	0	0	0	4.8	0	38.2	
NAP 201 6F	TBE Room	S27	Exhaust Fans	1	85	100%	171.0	-52.7	0	0	0	3	0	0	0	0	0	35.3	
NAP 201 6F	PAU Room 2	S28	PAU	5	85	100%	213.8	-54.6	0	0	0	3	0	0	0	7.0	0	40.4	
NAP 201 6F	AHU Room	S29	AHU	1	85	100%	225.6	-55.1	0	-10	-10	3	0	0	0	0	0	22.9	
NAP 201 6F	Lift Machine Room	S30	Lift Machine	3	85	100%	148.4	-51.4	0	-5	-5	3	0	0	0	4.8	0	36.4	
NAP 201 6F	Lift Machine Room	S31	Exhaust Fans	1	85	100%	148.5	-51.4	0	0	0	3	0	0	0	0	0	36.6	
NAP 201 6F	Portable Flushing and Makeup Water Pump Room	S32	Water Pumps	3	85	100%	169.4	-52.6	0	-5	-5	3	6	0	0	4.8	0	41.2	
NAP 201 6F	Portable Flushing and Makeup Water Pump Room	S33	Exhaust Fans	1	85	100%	169.4	-52.6	0	0	0	3	0	0	0	0	0	35.4	
NAP 201 6F	Cooling Tower Plant Room	S34	Cooling towers	2	100	100%	169.4	-52.6	0	0	0	3	0	0	0	3.0	0	53.4	
NAP 201 6F	L1 HKPF	S36	Hand-held Pneumatic Tools	1	100	7%	166.6	-52.4	0	0	0	3	0	0	0	0	-11.8	38.8	
NAP 201 6F	L1 HKPF	S37	Hammering Activities	3	113	7%	213.3	-54.6	0	0	0	3	0	3	0	4.8	-11.8	57.4	
NAP 201 6F	FEHD	S38	Automatic Vehicle Washing Machine	1	88	27%	187.3	-53.5	0	0	0	3	0	0	0	0	-6	31.8	
NAP 201 6F	EMSD Dept	S39	Motorcycle Speedometer Calibrator	1	112	3%	198.0	-53.9	0	0	0	3	0	0	0	0	-14.8	46.3	
NAP 201 6F	EMSD Dept	S40	Tyre Changer	1	98	27%	156.2	-51.9	0	0	0	3	0	0	0	0	-5.7	43.4	
NAP 201 6F	EMSD Dept	S41	Hammering Activities	4	113	7%	202.5	-54.1	0	0	0	3	0	3	0	6.0	-11.8	59.2	
NAP 201 6F	EMSD Dept	S42	Hand-held Pneumatic Tools	4	100	13%	171.7	-52.7	0	0	0	3	0	0	0	6.0	-8.8	47.6	
NAP 201 6F	EMSD Dept	S43	Roller Brake Tester	1	99	5%	176.6	-52.9	0	0	0	3	0	0	0	0	-13.0	36.1	
NAP 201 6F	EMSD Dept	S44	Motorcycle Brake Tester	1	99	20%	171.7	-52.7	0	0	0	3	0	0	0	0	-7.0	42.3	
NAP 201 6F	L1 HKPF	S45	Roller Brake Tester	1	99	20%	150.4	-51.5	0	0	0	3	0	0	0	0	-7.0	43.5	

(Day / Evening Time)

NAP ID	Room	Source ID	Identified Noise Sources	Quantity / Max concurrent works, nos.	Maximum Allowable SWL, dB(A)	Percentage on-time over 30 mins	Slant Distance, m	Distance Attenuation, dB(A)	Barrier Correction due to Surrounding Buildings, dB(A)	Barrier Correction due to Interior Structure, dB(A)	Overall Barrier Correction, dB(A)	Façade Correction, dB(A)	Correction for Tonality, dB(A)	Correction for Impulsiveness, dB(A)	Correction for Intermittency, dB(A)	Correction for Quantity, dB(A)	Percentage On-time Correction, dB(A)	Predicted Noise Level, dB(A)	Resultant SPL, Leq(30mins), dB(A)
NAP 202 1F	Chiller Pump Room	S1	Water Pumps	2	85	100%	254.9	-56.1	-10	0	-10	3	6	0	0	3.0	0	30.9	49
NAP 202 1F	Chiller Pump Room	S2	Exhaust Fans	1	85	100%	251.2	-56.0	-10	0	-10	3	0	0	0	0	0	22.0	
NAP 202 1F	Exhaust Fan Room	S3	General Exhaust Fans	5	85	100%	262.2	-56.4	-10	0	-10	3	0	0	0	7.0	0	28.6	
NAP 202 1F	Compressor Room	S4	Compressors	1	85	100%	285.4	-57.1	-10	0	-10	3	0	0	0	0	0	20.9	
NAP 202 1F	Compressor Room	S5	Exhaust Fans	1	85	100%	290.0	-57.2	-10	0	-10	3	0	0	0	0	0	20.8	
NAP 202 1F	Transformer Room	S6	Transformers	2	85	100%	290.0	-57.2	-10	0	-10	3	6	0	0	3.0	0	29.8	
NAP 202 1F	Transformer Room	S7	Exhaust Fans	1	85	100%	290.0	-57.2	-10	0	-10	3	0	0	0	0	0	20.8	
NAP 202 1F	Transferred Tank Pump Room	S8	Transferred Water Pumps	2	85	100%	290.0	-57.2	-10	0	-10	3	6	0	0	3.0	0	29.8	
NAP 202 1F	Transferred Tank Pump Room	S9	Exhaust Fans	1	85	100%	290.0	-57.2	-10	0	-10	3	0	0	0	0	0	20.8	
NAP 202 1F	Generator Room	S10	Generator (operations during power failure / maintenance)	2	85	100%	312.7	-57.9	-10	0	-10	3	0	0	0	3.0	0	23.1	
NAP 202 1F	Generator Room	S11	Exhaust Fans	1	85	100%	395.3	-59.9	-10	0	-10	3	0	0	0	0	0	18.1	
NAP 202 1F	Compressor Room	S12	Compressors	1	85	100%	273.9	-56.8	-10	0	-10	3	0	0	0	0	0	21.2	
NAP 202 1F	Compressor Room	S13	Exhaust Fans	1	85	100%	267.6	-56.5	-10	0	-10	3	0	0	0	0	0	21.5	
NAP 202 1F	F.S. Pump Room	S14	Water Pumps	1	85	100%	267.6	-56.5	-10	0	-10	3	6	0	0	0	0	27.5	
NAP 202 1F	F.S. Pump Room	S15	Exhaust Fans	1	85	100%	267.6	-56.5	-10	0	-10	3	0	0	0	0	0	21.5	
NAP 202 1F	Exhaust Fan Room	S16	General Exhaust Fans	5	85	100%	271.3	-56.7	-10	0	-10	3	0	0	0	7.0	0	28.3	
NAP 202 1F	PAU Room 1	S17	PAU	2	85	100%	311.7	-57.9	-10	0	-10	3	0	0	0	3.0	0	23.1	
NAP 202 1F	PAU Room 1	S18	Exhaust Fans	1	85	100%	311.7	-57.9	-10	0	-10	3	0	0	0	0	0	20.1	
NAP 202 1F	Chiller Plant Room	S19	Chiller Plant	2	85	100%	310.1	-57.8	-10	0	-10	3	0	0	0	3.0	0	23.2	
NAP 202 1F	Chiller Plant Room	S20	Exhaust Fans	1	85	100%	311.5	-57.9	-10	0	-10	3	0	0	0	0	0	20.1	
NAP 202 1F	Water Vehicle Filing and Automatic Vehicle Washing System Water Tank and Water Pump Room	S21	Water Pumps	2	85	100%	311.5	-57.9	-10	0	-10	3	6	0	0	3.0	0	29.1	
NAP 202 1F	Water Vehicle Filing and Automatic Vehicle Washing System Water Tank and Water Pump Room	S22	Exhaust Fans	1	85	100%	311.5	-57.9	-10	0	-10	3	0	0	0	0	0	20.1	
NAP 202 1F	Battery Charging Room	S23	Exhaust Fans	1	85	100%	257.9	-56.2	-10	0	-10	3	0	0	0	0	0	21.8	
NAP 202 1F	Exhaust Fan Room	S24	General Exhaust Fans	4	85	100%	312.0	-57.9	-10	0	-10	3	0	0	0	6.0	0	26.1	
NAP 202 1F	Exhaust Fan Room	S25	Welding Exhaust Fans	2	85	100%	312.0	-57.9	-10	0	-10	3	0	0	0	3.0	0	23.1	
NAP 202 1F	Exhaust Fan Room	S26	Exhaust Fans	3	85	100%	312.0	-57.9	-10	0	-10	3	0	0	0	4.8	0	24.9	
NAP 202 1F	TBE Room	S27	Exhaust Fans	1	85	100%	271.6	-56.7	-10	0	-10	3	0	0	0	0	0	21.3	
NAP 202 1F	PAU Room 2	S28	PAU	5	85	100%	312.7	-57.9	-10	0	-10	3	0	0	0	7.0	0	27.1	
NAP 202 1F	AHU Room	S29	AHU	1	85	100%	332.2	-58.4	-10	0	-10	3	0	0	0	0	0	19.6	
NAP 202 1F	Lift Machine Room	S30	Lift Machine	3	85	100%	255.6	-56.2	-10	0	-10	3	0	0	0	4.8	0	26.6	
NAP 202 1F	Lift Machine Room	S31	Exhaust Fans	1	85	100%	255.1	-56.1	-10	0	-10	3	0	0	0	0	0	21.9	
NAP 202 1F	Portable Flushing and Makeup Water Pump Room	S32	Water Pumps	3	85	100%	270.1	-56.6	-10	0	-10	3	6	0	0	4.8	0	32.2	
NAP 202 1F	Portable Flushing and Makeup Water Pump Room	S33	Exhaust Fans	1	85	100%	270.1	-56.6	-10	0	-10	3	0	0	0	0	0	21.4	
NAP 202 1F	Cooling Tower Plant Room	S34	Cooling towers	2	100	100%	270.1	-56.6	-10	0	-10	3	0	0	0	3.0	0	39.4	
NAP 202 1F	L1 HKPF	S36	Hand-held Pneumatic Tools	1	100	7%	269.5	-56.6	-10	0	-10	3	0	0	0	0	-11.8	24.6	
NAP 202 1F	L1 HKPF	S37	Hammering Activities	3	113	7%	318.3	-58.1	-10	0	-10	3	0	3	0	4.8	-11.8	43.9	
NAP 202 1F	FEHD	S38	Automatic Vehicle Washing Machine	1	88	27%	292.7	-57.3	-10	0	-10	3	0	0	0	0	-5.7	18.0	
NAP 202 1F	EMSD Dept	S39	Motorcycle Speedometer Calibrator	1	112	3%	298.9	-57.5	-10	0	-10	3	0	0	0	0	-14.8	32.7	
NAP 202 1F	EMSD Dept	S40	Tyre Changer	1	98	27%	258.8	-56.3	-10	0	-10	3	0	0	0	0	-5.7	29.0	
NAP 202 1F	EMSD Dept	S41	Hammering Activities	4	113	7%	310.0	-57.8	-10	0	-10	3	0	3	0	6.0	-11.8	45.5	
NAP 202 1F	EMSD Dept	S42	Hand-held Pneumatic Tools	4	100	13%	273.0	-56.7	-10	0	-10	3	0	0	0	6.0	-8.8	33.6	
NAP 202 1F	EMSD Dept	S43	Roller Brake Tester	1	99	5%	285.6	-57.1	-10	0	-10	3	0	0	0	0	-13.0	21.9	
NAP 202 1F	EMSD Dept	S44	Motorcycle Brake Tester	1	99	20%	273.0	-56.7	-10	0	-10	3	0	0	0	0	-7.0	28.3	
NAP 202 1F	L1 HKPF	S45	Roller Brake Tester	1	99	20%	253.3	-56.1	-10	0	-10	3	0	0	0	0	-7.0	28.9	
NAP 202 3F	Chiller Pump Room	S1	Water Pumps	2	85	100%	255	-56.1	-10	0	-10	3	6	0	0	3.0	0	30.9	49
NAP 202 3F	Chiller Pump Room	S2	Exhaust Fans	1	85	100%	251	-56.0	-10	0	-10	3	0	0	0	0	0	22.0	
NAP 202 3F	Exhaust Fan Room	S3	General Exhaust Fans	5	85	100%	262	-56.4	-10	0	-10	3	0	0	0	7.0	0	28.6	
NAP 202 3F	Compressor Room	S4	Compressors	1	85	100%	286	-57.1	-10	0	-10	3	0	0	0	0	0	20.9	
NAP 202 3F	Compressor Room	S5	Exhaust Fans	1	85	100%	290	-57.3	-10	0	-10	3	0	0	0	0	0	20.7	
NAP 202 3F	Transformer Room	S6	Transformers	2	85	100%	290	-57.3	-10	0	-10	3	6	0	0	3.0	0	29.7	
NAP 202 3F	Transformer Room	S7	Exhaust Fans	1	85	100%	290	-57.3	-10	0	-10	3	0	0	0	0	0	20.7	
NAP 202 3F	Transferred Tank Pump Room	S8	Transferred Water Pumps	2	85	100%	290	-57.3	-10	0	-10	3	6	0	0	3.0	0	29.7	
NAP 202 3F	Transferred Tank Pump Room	S9	Exhaust Fans	1	85	100%	290	-57.3	-10	0	-10	3	0	0	0	0	0	20.7	
NAP 202 3F	Generator Room	S10	Generator (operations during power failure / maintenance)	2	85	100%	313	-57.9	-10	0	-10	3	0	0	0	3.0	0	23.1	
NAP 202 3F	Generator Room	S11	Exhaust Fans	1	85	100%	395	-59.9	-10	0	-10	3	0	0	0	0	0	18.1	
NAP 202 3F	Compressor Room	S12	Compressors	1	85	100%	274	-56.7	-10	0	-10	3	0	0	0	0	0	21.3	
NAP 202 3F	Compressor Room	S13	Exhaust Fans	1	85	100%	267	-56.5	-10	0	-10	3	0	0	0	0	0	21.5	
NAP 202 3F	F.S. Pump Room	S14	Water Pumps	1	85	100%	267	-56.5	-10	0	-10	3	6	0	0	0	0	27.5	
NAP 202 3F	F.S. Pump Room	S15	Exhaust Fans	1	85	100%	267	-56.5	-10	0	-10	3	0	0	0	0	0	21.5	
NAP 202 3F	Exhaust Fan Room	S16	General Exhaust Fans	5	85	100%	271	-56.7	-10	0	-10	3	0	0	0	7.0	0	28.3	
NAP 202 3F	PAU Room 1	S17	PAU	2	85	100%	312	-57.9	-10	0	-10	3	0	0	0	3.0	0	23.1	
NAP 202 3F	PAU Room 1	S18	Exhaust Fans	1	85	100%	312	-57.9	-10	0	-10	3	0	0	0	0	0	20.1	
NAP 202 3F	Chiller Plant Room	S19	Chiller Plant	2	85	100%	310	-57.8	-10	0	-10	3	0	0	0	3.0	0	23.2	
NAP 202 3F	Chiller Plant Room	S20	Exhaust Fans	1	85	100%	311	-57.9	-10	0	-10	3	0	0	0	0	0	20.1	
NAP 202 3F	Water Vehicle Filing and Automatic Vehicle Washing System Water Tank and Water Pump Room	S21	Water Pumps	2	85	100%	311	-57.9	-10	0	-10	3	6	0	0	3.0	0	29.1	
NAP 202 3F	Water Vehicle Filing and Automatic Vehicle Washing System Water Tank and Water Pump Room	S22	Exhaust Fans	1	85	100%	311	-57.9	-10	0	-10	3	0	0	0	0	0	20.1	
NAP 202 3F	Battery Charging Room	S23	Exhaust Fans	1	85	100%	257	-56.2	-10	0	-10	3	0	0	0	0	0	21.8	
NAP 202 3F	Exhaust Fan Room	S24	General Exhaust Fans	4	85	100%	312	-57.9	-10	0	-10	3	0	0	0	6.0	0	26.1	
NAP 202 3F	Exhaust Fan Room	S25	Welding Exhaust Fans	2	85	100%	312	-57.9	-10	0	-10	3	0	0	0	3.0	0	23.1	
NAP 202 3F	Exhaust Fan Room	S26	Exhaust Fans	3	85	100%	312	-57.9	-10	0	-10	3	0	0	0	4.8	0	24.9	
NAP 202 3F	TBE Room	S27	Exhaust Fans	1	85	100%	271	-56.7	-10	0	-10	3	0	0	0	0	0	21.3	
NAP 202 3F	PAU Room 2	S28	PAU	5	85	100%	312	-57.9	-10	0	-10	3	0	0	0	7.0	0	27.1	
NAP 202 3F	AHU Room	S29	AHU	1	85	100%	332	-58.4	-10	0	-10	3	0	0	0	0	0	19.6	
NAP 202 3F	Lift Machine Room	S30	Lift Machine	3	85	100%	255	-56.1	-10	0	-10	3	0	0	0	4.8	0	26.7	
NAP 202 3F	Lift Machine Room	S31	Exhaust Fans	1	85	100%	254	-56.1	-10	0	-10	3	0	0	0	0	0	21.9	
NAP 202 3F	Portable Flushing and Makeup Water Pump Room	S32	Water Pumps	3	85	100%	269	-56.6	-10	0	-10	3	6	0	0	4.8	0	32.2	
NAP 202 3F	Portable Flushing and Makeup Water Pump Room	S33	Exhaust Fans	1	85	100%	269	-56.6	-10	0	-10	3	0	0	0	0	0	21.4	
NAP 202 3F	Cooling Tower Plant Room	S34	Cooling towers	2	100	100%	269	-56.6	-10	0	-10	3	0	0	0	3.0	0	39.4	
NAP 202 3F	L1 HKPF	S36	Hand-held Pneumatic Tools	1	100	7%	270	-56.6	-10	0	-10	3	0	0	0	0	-11.8	24.6	
NAP 202 3F	L1 HKPF	S37	Hammering Activities	3	113	7%	318	-58.1	-10	0	-10	3	0	3	0	4.8	-11.8	43.9	
NAP 202 3F	FEHD	S38	Automatic Vehicle Washing Machine	1	88	27%	292	-57.3	-10	0	-10	3	0	0	0	0	-5.7	18.0	
NAP 202 3F	EMSD Dept	S39	Motorcycle Speedometer Calibrator	1	112	3%	298	-57.5	-10	0	-10	3	0	0	0	0	-14.8	32.7	
NAP 202 3F	EMSD Dept	S40	Tyre Changer	1	98	27%	258	-56.2	-10	0	-10	3	0	0	0	0	-5.7	29.1	
NAP 202 3F	EMSD Dept	S41	Hammering Activities	4	113	7%	310	-57.8	-10	0	-10	3	0	3	0	6.0	-11.8	45.5	
NAP 202 3F	EMSD Dept	S42	Hand-held Pneumatic Tools	4	100	13%	272	-56.7	-10	0	-10	3	0	0	0	6.0	-8.8	33.6	
NAP 202 3F	EMSD Dept	S43	Roller Brake Tester	1	99	5%	285	-57.1	-10	0	-10	3	0	0	0	0	-13.0	21.9	
NAP 202 3F	EMSD Dept	S44	Motorcycle Brake Tester	1	99	20%	272	-56.7	-10	0	-10	3	0	0	0	0	-7.0	28.3	
NAP 202 3F	L1 HKPF	S45	Roller Brake Tester	1	99	20%	253	-56.1	-10	0	-10	3	0	0	0	0	-7.0	28.9	
NAP 202 6F	Chiller Pump Room	S1	Water Pumps	2	85	100%	255	-56.1	-10	0	-10	3	6	0	0	3.0	0	30.9	49
NAP 202 6F	Chiller Pump Room	S2	Exhaust Fans	1	85	100%	252	-56.0	-10	0	-10	3	0	0	0	0	0	22.0	
NAP 202 6F	Exhaust Fan Room	S3	General Exhaust Fans	5	85	100%	263	-56.4	-10	0	-10	3	0	0	0	7.0	0	28.6	
NAP 202 6F	Compressor Room	S4	Compressors	1	85	100%	286	-57.1	-10	0	-10	3	0	0	0	0	0	20.9	
NAP 202 6F	Compressor Room	S5	Exhaust Fans	1	85	100%	291	-57.3	-10	0	-10	3	0	0	0	0	0	20.7	
NAP 202 6F	Transformer Room	S6	Transformers	2	85	100%	291	-57.3	-10	0	-10	3	6	0	0	3.0	0	29.7	
NAP 202 6F	Transformer Room	S7	Exhaust Fans	1	85	100%	291	-57.3	-10	0	-10	3	0	0	0	0	0	20.7	
NAP 202 6F	Transferred Tank Pump Room	S8	Transferred Water Pumps	2	85	100%	291	-57.3	-10	0	-10	3	6	0	0	3.0	0	29.7	
NAP 202 6F	Transferred Tank Pump Room	S9	Exhaust Fans	1	85	100%	291	-57.3	-10	0	-10	3	0	0	0	0	0	20.7	
NAP 202 6F	Generator Room	S10	Generator (operations during power failure / maintenance)	2	85	100%	313	-57.9	-10	0	-10	3	0	0	0	3.0	0	23.1	
NAP 202 6F	Generator Room	S11	Exhaust Fans	1	85	100%	396	-59.9	-10	0	-10	3	0	0	0	0	0	18.1	
NAP 202 6F	Compressor Room	S12	Compressors	1	85	100%	274	-56.7	-10	0	-10	3	0	0	0	0	0	21.3	
NAP 202 6F	Compressor Room	S13	Exhaust Fans	1	85	100%	267	-56.5	-10	0	-10	3	0	0	0	0	0	21.5	
NAP 202 6F	F.S. Pump Room	S14	Water Pumps	1	85	100%	267	-56.5	-10	0	-10	3	6	0	0	0	0	27.5	
NAP 202 6F	F.S. Pump Room	S15	Exhaust Fans	1	85	100%	267	-56.5	-10	0	-10	3	0	0	0	0	0	21.5	
NAP 202 6F	Exhaust Fan Room	S16	General Exhaust Fans	5	85	100%	271	-56.7	-10	0	-10	3	0	0	0	7.0	0	28.3	
NAP 202 6F	PAU Room 1	S17	PAU	2	85	100%	311	-57.9	-10	0	-10	3	0	0	0	3.0	0	23.1	
NAP 202 6F	PAU Room 1	S18	Exhaust Fans	1	85	100%	311	-57.9	-10	0	-10	3	0	0	0	0	0	20.1	
NAP 202 6F	Chiller Plant Room	S19	Chiller Plant	2	85	100%	309	-57.8	-10	0	-10	3	0	0	0	3.0	0	23.2	
NAP 202 6F	Chiller Plant Room	S20	Exhaust Fans	1	85	100%	311	-57.9	-10	0	-10	3	0	0	0	0	0	20.1	
NAP 202 6F	Water Vehicle Filing and Automatic Vehicle Washing System Water Tank and Water Pump Room	S21	Water Pumps	2	85	100%	311	-57.9	-10	0	-10	3	6	0	0	3.0	0	29.1	
NAP 202 6F	Water Vehicle Filing and Automatic Vehicle Washing System Water Tank and Water Pump Room	S22	Exhaust Fans	1	85	100%	311	-57.9	-10	0	-10	3	0	0	0	0	0	20.1	
NAP 202 6F	Battery Charging Room	S23	Exhaust Fans	1	85	100%	257	-56.2	-10	0	-10	3	0	0	0	0	0	21.8	
NAP 202 6F	Exhaust Fan Room	S24	General Exhaust Fans	4	85	100%	311	-57.9	-10	0	-10	3	0	0	0	6.0	0	26.1	
NAP 202 6F	Exhaust Fan Room	S25	Welding Exhaust Fans	2	85	100%	311	-57.9	-10	0	-10	3	0	0	0	3.0	0	23.1	
NAP 202 6F	Exhaust Fan Room	S26	Exhaust Fans	3	85	100%	311	-57.9	-10	0	-10	3	0	0	0	4.8	0	24.9	
NAP 202 6F	TBE Room	S27	Exhaust Fans	1	85	100%	270	-56.6	-10	0	-10	3	0	0	0	0	0	21.4	
NAP 202 6F	PAU Room 2	S28	PAU	5	85	100%	311	-57.9	-10	0	-10	3	0	0	0	7.0	0	27.1	
NAP 202 6F	AHU Room	S29	AHU	1	85	100%	331	-58.4	-10	0	-10	3	0	0	0	0	0	19.6	
NAP 202 6F	Lift Machine Room	S30	Lift Machine	3	85	100%	254	-56.1	-10	0	-10	3	0	0	0	4.8	0	26.7	
NAP 202 6F	Lift Machine Room	S31	Exhaust Fans	1	85	100%	253	-56.1	-10	0	-10	3	0	0	0	0	0	21.9	
NAP 202 6F	Portable Flushing and Makeup Water Pump Room	S32	Water Pumps	3	85	100%	268	-56.6	-10	0	-10	3	6	0	0	4.8	0	32.2	
NAP 202 6F	Portable Flushing and Makeup Water Pump Room	S33	Exhaust Fans	1	85	100%	268	-56.6	-10	0	-10	3	0	0	0	0	0	21.4	
NAP 202 6F	Cooling Tower Plant Room	S34	Cooling towers	2	100	100%	268	-56.6	-10	0	-10	3	0	0	0	3.0	0	39.4	
NAP 202 6F	L1 HKPF	S36	Hand-held Pneumatic Tools	1	100	7%	270	-56.6	-10	0	-10	3	0	0	0	0	-11.8	24.6	
NAP 202 6F	L1 HKPF	S37	Hammering Activities	3	113	7%	319	-58.1	-10	0	-10	3	0	3	0	4.8	-11.8	43.9	
NAP 202 6F	FEHD	S38	Automatic Vehicle Washing Machine	1	88	27%	292	-57.3	-10	0	-10	3	0	0	0	0	-5.7	18.0	
NAP 202 6F	EMSD Dept	S39	Motorcycle Speedometer Calibrator	1	112	3%	298	-57.5	-10	0	-10	3	0	0	0	0	-14.8	32.7	
NAP 202 6F	EMSD Dept	S40	Tyre Changer	1	98	27%	258	-56.2	-10	0	-10	3	0	0	0	0	-5.7	29.1	
NAP 202 6F	EMSD Dept	S41	Hammering Activities	4	113	7%	309	-57.8	-10	0	-10	3	0	3	0	6.0	-11.8	45.5	
NAP 202 6F	EMSD Dept	S42	Hand-held Pneumatic Tools	4	100	13%	272	-56.7	-10	0	-10	3	0	0	0	6.0	-8.8	33.6	
NAP 202 6F	EMSD Dept	S43	Roller Brake Tester	1	99	5%	285	-57.1	-10	0	-10	3	0	0	0	0	-13.0	21.9	
NAP 202 6F	EMSD Dept	S44	Motorcycle Brake Tester	1	99	20%	272	-56.7	-10	0	-10	3	0	0	0	0	-7.0	28.3	
NAP 202 6F	L1 HKPF	S45	Roller Brake Tester	1	99	20%	252	-56.0	-10	0	-10	3	0	0	0	0	-7.0	29.0	

(Day / Evening Time)

NAP ID	Room	Source ID	Identified Noise Sources	Quantity / Max concurrent works, nos.	Maximum Allowable SWL, dB(A)	Percentage on-time over 30 mins	Slant Distance, m	Distance Attenuation, dB(A)	Barrier Correction due to Surrounding Buildings, dB(A)	Barrier Correction due to Interior Structure, dB(A)	Overall Barrier Correction, dB(A)	Façade Correction, dB(A)	Correction for Tonality, dB(A)	Correction for Impulsiveness, dB(A)	Correction for Intermittency, dB(A)	Correction for Quantity, dB(A)	Percentage On-time Correction, dB(A)	Predicted Noise Level, dB(A)	Resultant SPL, Leq(30mins), dB(A)
NAP 301 1F	Chiller Pump Room	S1	Water Pumps	2	85	100%	229.8	-55.2	-10	0	-10	3	6	0	0	3.0	0	31.8	50
NAP 301 1F	Chiller Pump Room	S2	Exhaust Fans	1	85	100%	232.1	-55.3	-10	0	-10	3	0	0	0	0	0	22.7	
NAP 301 1F	Exhaust Fan Room	S3	General Exhaust Fans	5	85	100%	254.0	-56.1	-10	0	-10	3	0	0	0	7.0	0	28.9	
NAP 301 1F	Compressor Room	S4	Compressors	1	85	100%	278.7	-56.9	-10	0	-10	3	0	0	0	0	0	21.1	
NAP 301 1F	Compressor Room	S5	Exhaust Fans	1	85	100%	285.1	-57.1	-10	0	-10	3	0	0	0	0	0	20.9	
NAP 301 1F	Transformer Room	S6	Transformers	2	85	100%	285.1	-57.1	-10	0	-10	3	6	0	0	3.0	0	29.9	
NAP 301 1F	Transformer Room	S7	Exhaust Fans	1	85	100%	285.1	-57.1	-10	0	-10	3	0	0	0	0	0	20.9	
NAP 301 1F	Transferred Tank Pump Room	S8	Transferred Water Pumps	2	85	100%	285.1	-57.1	-10	0	-10	3	6	0	0	3.0	0	29.9	
NAP 301 1F	Transferred Tank Pump Room	S9	Exhaust Fans	1	85	100%	285.1	-57.1	-10	0	-10	3	0	0	0	0	0	20.9	
NAP 301 1F	Generator Room	S10	Generator (operations during power failure / maintenance)	2	85	100%	302.8	-57.6	-10	0	-10	3	0	0	0	3.0	0	23.4	
NAP 301 1F	Generator Room	S11	Exhaust Fans	1	85	100%	372.4	-59.4	-10	0	-10	3	0	0	0	0	0	18.6	
NAP 301 1F	Compressor Room	S12	Compressors	1	85	100%	263.9	-56.4	-10	0	-10	3	0	0	0	0	0	21.6	
NAP 301 1F	Compressor Room	S13	Exhaust Fans	1	85	100%	260.5	-56.3	-10	0	-10	3	0	0	0	0	0	21.7	
NAP 301 1F	F.S. Pump Room	S14	Water Pumps	1	85	100%	260.5	-56.3	-10	0	-10	3	6	0	0	0	0	27.7	
NAP 301 1F	F.S. Pump Room	S15	Exhaust Fans	1	85	100%	260.5	-56.3	-10	0	-10	3	0	0	0	0	0	21.7	
NAP 301 1F	Exhaust Fan Room	S16	General Exhaust Fans	5	85	100%	264.1	-56.4	-10	0	-10	3	0	0	0	7.0	0	28.6	
NAP 301 1F	PAU Room 1	S17	PAU	2	85	100%	303.0	-57.6	-10	0	-10	3	0	0	0	3.0	0	23.4	
NAP 301 1F	PAU Room 1	S18	Exhaust Fans	1	85	100%	303.0	-57.6	-10	0	-10	3	0	0	0	0	0	20.4	
NAP 301 1F	Chiller Plant Room	S19	Chiller Plant	2	85	100%	301.7	-57.6	-10	0	-10	3	0	0	0	3.0	0	23.4	
NAP 301 1F	Chiller Plant Room	S20	Exhaust Fans	1	85	100%	305.2	-57.7	-10	0	-10	3	0	0	0	0	0	20.3	
NAP 301 1F	Water Vehicle Filing and Automatic Vehicle Washing System Water Tank and Water Pump Room	S21	Water Pumps	2	85	100%	305.2	-57.7	-10	0	-10	3	6	0	0	3.0	0	29.3	
NAP 301 1F	Water Vehicle Filing and Automatic Vehicle Washing System Water Tank and Water Pump Room	S22	Exhaust Fans	1	85	100%	305.2	-57.7	-10	0	-10	3	0	0	0	0	0	20.3	
NAP 301 1F	Battery Charging Room	S23	Exhaust Fans	1	85	100%	223.8	-55.0	-10	0	-10	3	0	0	0	0	0	23.0	
NAP 301 1F	Exhaust Fan Room	S24	General Exhaust Fans	4	85	100%	305.6	-57.7	-10	0	-10	3	0	0	0	6.0	0	26.3	
NAP 301 1F	Exhaust Fan Room	S25	Welding Exhaust Fans	2	85	100%	305.6	-57.7	-10	0	-10	3	0	0	0	3.0	0	23.3	
NAP 301 1F	Exhaust Fan Room	S26	Exhaust Fans	3	85	100%	305.6	-57.7	-10	0	-10	3	0	0	0	4.8	0	25.1	
NAP 301 1F	TBE Room	S27	Exhaust Fans	1	85	100%	264.1	-56.4	-10	0	-10	3	0	0	0	0	0	21.6	
NAP 301 1F	PAU Room 2	S28	PAU	5	85	100%	306.3	-57.7	-10	0	-10	3	0	0	0	7.0	0	27.3	
NAP 301 1F	AHU Room	S29	AHU	1	85	100%	300.5	-57.6	-10	0	-10	3	0	0	0	0	0	20.4	
NAP 301 1F	Lift Machine Room	S30	Lift Machine	3	85	100%	229.6	-55.2	-10	0	-10	3	0	0	0	4.8	0	27.6	
NAP 301 1F	Lift Machine Room	S31	Exhaust Fans	1	85	100%	231.4	-55.3	-10	0	-10	3	0	0	0	0	0	22.7	
NAP 301 1F	Portable Flushing and Makeup Water Pump Room	S32	Water Pumps	3	85	100%	262.6	-56.4	-10	0	-10	3	6	0	0	4.8	0	32.4	
NAP 301 1F	Portable Flushing and Makeup Water Pump Room	S33	Exhaust Fans	1	85	100%	262.6	-56.4	-10	0	-10	3	0	0	0	0	0	21.6	
NAP 301 1F	Cooling Tower Plant Room	S34	Cooling towers	2	100	100%	262.6	-56.4	-10	0	-10	3	0	0	0	3.0	0	39.6	
NAP 301 1F	L1 HKPF	S36	Hand-held Pneumatic Tools	1	100	7%	250.7	-56.0	-10	0	-10	3	0	0	0	0	-11.8	25.2	
NAP 301 1F	L1 HKPF	S37	Hammering Activities	3	113	7%	288.0	-57.2	-10	0	-10	3	0	3	0	4.8	-11.8	44.8	
NAP 301 1F	FEHD	S38	Automatic Vehicle Washing Machine	1	88	27%	268.0	-56.6	-10	0	-10	3	0	0	0	0	-5.7	18.7	
NAP 301 1F	EMSD Dept	S39	Motorcycle Speedometer Calibrator	1	112	3%	288.1	-57.2	-10	0	-10	3	0	0	0	0	-14.8	33.0	
NAP 301 1F	EMSD Dept	S40	Tyre Changer	1	98	27%	247.2	-55.9	-10	0	-10	3	0	0	0	0	-5.7	29.4	
NAP 301 1F	EMSD Dept	S41	Hammering Activities	4	113	7%	275.5	-56.8	-10	0	-10	3	0	3	0	6.0	-11.8	46.5	
NAP 301 1F	EMSD Dept	S42	Hand-held Pneumatic Tools	4	100	13%	263.3	-56.4	-10	0	-10	3	0	0	0	6.0	-8.8	33.9	
NAP 301 1F	EMSD Dept	S43	Roller Brake Tester	1	99	5%	245.4	-55.8	-10	0	-10	3	0	0	0	0	-13.0	23.2	
NAP 301 1F	EMSD Dept	S44	Motorcycle Brake Tester	1	99	20%	263.3	-56.4	-10	0	-10	3	0	0	0	0	-7.0	28.6	
NAP 301 1F	L1 HKPF	S45	Roller Brake Tester	1	99	20%	241.5	-55.7	-10	0	-10	3	0	0	0	0	-7.0	29.3	
NAP 301 12F	Chiller Pump Room	S1	Water Pumps	2	85	100%	232.9	-55.3	-10	0	-10	3	6	0	0	3.0	0	31.7	50
NAP 301 12F	Chiller Pump Room	S2	Exhaust Fans	1	85	100%	235.2	-55.4	-10	0	-10	3	0	0	0	0	0	22.6	
NAP 301 12F	Exhaust Fan Room	S3	General Exhaust Fans	5	85	100%	256.8	-56.2	-10	0	-10	3	0	0	0	7.0	0	28.8	
NAP 301 12F	Compressor Room	S4	Compressors	1	85	100%	281.2	-57.0	-10	0	-10	3	0	0	0	0	0	21.0	
NAP 301 12F	Compressor Room	S5	Exhaust Fans	1	85	100%	287.6	-57.2	-10	0	-10	3	0	0	0	0	0	20.8	
NAP 301 12F	Transformer Room	S6	Transformers	2	85	100%	287.6	-57.2	-10	0	-10	3	6	0	0	3.0	0	29.8	
NAP 301 12F	Transformer Room	S7	Exhaust Fans	1	85	100%	287.6	-57.2	-10	0	-10	3	0	0	0	0	0	20.8	
NAP 301 12F	Transferred Tank Pump Room	S8	Transferred Water Pumps	2	85	100%	287.6	-57.2	-10	0	-10	3	6	0	0	3.0	0	29.8	
NAP 301 12F	Transferred Tank Pump Room	S9	Exhaust Fans	1	85	100%	287.6	-57.2	-10	0	-10	3	0	0	0	0	0	20.8	
NAP 301 12F	Generator Room	S10	Generator (operations during power failure / maintenance)	2	85	100%	304.3	-57.7	-10	0	-10	3	0	0	0	3.0	0	23.3	
NAP 301 12F	Generator Room	S11	Exhaust Fans	1	85	100%	374.2	-59.5	-10	0	-10	3	0	0	0	0	0	18.5	
NAP 301 12F	Compressor Room	S12	Compressors	1	85	100%	264.8	-56.5	-10	0	-10	3	0	0	0	0	0	21.5	
NAP 301 12F	Compressor Room	S13	Exhaust Fans	1	85	100%	261.4	-56.3	-10	0	-10	3	0	0	0	0	0	21.7	
NAP 301 12F	F.S. Pump Room	S14	Water Pumps	1	85	100%	261.4	-56.3	-10	0	-10	3	6	0	0	0	0	27.7	
NAP 301 12F	F.S. Pump Room	S15	Exhaust Fans	1	85	100%	261.4	-56.3	-10	0	-10	3	0	0	0	0	0	21.7	
NAP 301 12F	Exhaust Fan Room	S16	General Exhaust Fans	5	85	100%	264.6	-56.5	-10	0	-10	3	0	0	0	7.0	0	28.5	
NAP 301 12F	PAU Room 1	S17	PAU	2	85	100%	303.4	-57.6	-10	0	-10	3	0	0	0	3.0	0	23.4	
NAP 301 12F	PAU Room 1	S18	Exhaust Fans	1	85	100%	303.4	-57.6	-10	0	-10	3	0	0	0	0	0	20.4	
NAP 301 12F	Chiller Plant Room	S19	Chiller Plant	2	85	100%	301.7	-57.6	-10	0	-10	3	0	0	0	3.0	0	23.4	
NAP 301 12F	Chiller Plant Room	S20	Exhaust Fans	1	85	100%	305.2	-57.7	-10	0	-10	3	0	0	0	0	0	20.3	
NAP 301 12F	Water Vehicle Filing and Automatic Vehicle Washing System Water Tank and Water Pump Room	S21	Water Pumps	2	85	100%	305.2	-57.7	-10	0	-10	3	6	0	0	3.0	0	29.3	
NAP 301 12F	Water Vehicle Filing and Automatic Vehicle Washing System Water Tank and Water Pump Room	S22	Exhaust Fans	1	85	100%	305.2	-57.7	-10	0	-10	3	0	0	0	0	0	20.3	
NAP 301 12F	Battery Charging Room	S23	Exhaust Fans	1	85	100%	222.8	-55.0	-10	0	-10	3	0	0	0	0	0	23.0	
NAP 301 12F	Exhaust Fan Room	S24	General Exhaust Fans	4	85	100%	304.9	-57.7	-10	0	-10	3	0	0	0	6.0	0	26.3	
NAP 301 12F	Exhaust Fan Room	S25	Welding Exhaust Fans	2	85	100%	304.9	-57.7	-10	0	-10	3	0	0	0	3.0	0	23.3	
NAP 301 12F	Exhaust Fan Room	S26	Exhaust Fans	3	85	100%	304.9	-57.7	-10	0	-10	3	0	0	0	4.8	0	25.1	
NAP 301 12F	TBE Room	S27	Exhaust Fans	1	85	100%	262.4	-56.4	-10	0	-10	3	0	0	0	0	0	21.6	
NAP 301 12F	PAU Room 2	S28	PAU	5	85	100%	304.8	-57.7	-10	0	-10	3	0	0	0	7.0	0	27.3	
NAP 301 12F	AHU Room	S29	AHU	1	85	100%	299.0	-57.5	-10	0	-10	3	0	0	0	0	0	20.5	
NAP 301 12F	Lift Machine Room	S30	Lift Machine	3	85	100%	226.9	-55.1	-10	0	-10	3	0	0	0	4.8	0	27.7	
NAP 301 12F	Lift Machine Room	S31	Exhaust Fans	1	85	100%	228.8	-55.2	-10	0	-10	3	0	0	0	0	0	22.8	
NAP 301 12F	Portable Flushing and Makeup Water Pump Room	S32	Water Pumps	3	85	100%	260.3	-56.3	-10	0	-10	3	6	0	0	4.8	0	32.5	
NAP 301 12F	Portable Flushing and Makeup Water Pump Room	S33	Exhaust Fans	1	85	100%	260.3	-56.3	-10	0	-10	3	0	0	0	0	0	21.7	
NAP 301 12F	Cooling Tower Plant Room	S34	Cooling towers	2	100	100%	260.3	-56.3	-10	0	-10	3	0	0	0	3.0	0	39.7	
NAP 301 12F	L1 HKPF	S36	Hand-held Pneumatic Tools	1	100	7%	253.5	-56.1	-10	0	-10	3	0	0	0	0	-11.8	25.1	
NAP 301 12F	L1 HKPF	S37	Hammering Activities	3	113	7%	290.5	-57.3	-10	0	-10	3	0	3	0	4.8	-11.8	44.7	
NAP 301 12F	FEHD	S38	Automatic Vehicle Washing Machine	1	88	27%	268.0	-56.6	-10	0	-10	3	0	0	0	0	-5.7	18.7	
NAP 301 12F	EMSD Dept	S39	Motorcycle Speedometer Calibrator	1	112	3%	287.3	-57.2	-10	0	-10	3	0	0	0	0	-14.8	33.0	
NAP 301 12F	EMSD Dept	S40	Tyre Changer	1	98	27%	246.3	-55.8	-10	0	-10	3	0	0	0	0	-5.7	29.5	
NAP 301 12F	EMSD Dept	S41	Hammering Activities	4	113	7%	274.8	-56.8	-10	0	-10	3	0	3	0	6.0	-11.8	46.5	
NAP 301 12F	EMSD Dept	S42	Hand-held Pneumatic Tools	4	100	13%	262.5	-56.4	-10	0	-10	3	0	0	0	6.0	-8.8	33.9	
NAP 301 12F	EMSD Dept	S43	Roller Brake Tester	1	99	5%	244.6	-55.8	-10	0	-10	3	0	0	0	0	-13.0	23.2	
NAP 301 12F	EMSD Dept	S44	Motorcycle Brake Tester	1	99	20%	262.5	-56.4	-10	0	-10	3	0	0	0	0	-7.0	28.6	
NAP 301 12F	L1 HKPF	S45	Roller Brake Tester	1	99	20%	240.7	-55.6	-10	0	-10	3	0	0	0	0	-7.0	29.4	
NAP 301 24F	Chiller Pump Room	S1	Water Pumps	2	85	100%	241.4	-55.7	-10	0	-10	3	6	0	0	3.0	0	31.3	50
NAP 301 24F	Chiller Pump Room	S2	Exhaust Fans	1	85	100%	243.6	-55.7	-10	0	-10	3	0	0	0	0	0	22.3	
NAP 301 24F	Exhaust Fan Room	S3	General Exhaust Fans	5	85	100%	264.5	-56.4	-10	0	-10	3	0	0	0	7.0	0	28.6	
NAP 301 24F	Compressor Room	S4	Compressors	1	85	100%	288.3	-57.2	-10	0	-10	3	0	0	0	0	0	20.8	
NAP 301 24F	Compressor Room	S5	Exhaust Fans	1	85	100%	294.5	-57.4	-10	0	-10	3	0	0	0	0	0	20.6	
NAP 301 24F	Transformer Room	S6	Transformers	2	85	100%	294.5	-57.4	-10	0	-10	3	6	0	0	3.0	0	29.6	
NAP 301 24F	Transformer Room	S7	Exhaust Fans	1	85	100%	294.5	-57.4	-10	0	-10	3	0	0	0	0	0	20.6	
NAP 301 24F	Transferred Tank Pump Room	S8	Transferred Water Pumps	2	85	100%	294.5	-57.4	-10	0	-10	3	6	0	0	3.0	0	29.6	
NAP 301 24F	Transferred Tank Pump Room	S9	Exhaust Fans	1	85	100%	294.5	-57.4	-10	0	-10	3	0	0	0	0	0	20.6	
NAP 301 24F	Generator Room	S10	Generator (operations during power failure / maintenance)	2	85	100%	310.0	-57.8	-10	0	-10	3	0	0	0	3.0	0	23.2	
NAP 301 24F	Generator Room	S11	Exhaust Fans	1	85	100%	379.3	-59.6	-10	0	-10	3	0	0	0	0	0	18.4	
NAP 301 24F	Compressor Room	S12	Compressors	1	85	100%	270.5	-56.6	-10	0	-10	3	0	0	0	0	0	21.4	
NAP 301 24F	Compressor Room	S13	Exhaust Fans	1	85	100%	267.1	-56.5	-10	0	-10	3	0	0	0	0	0	21.5	
NAP 301 24F	F.S. Pump Room	S14	Water Pumps	1	85	100%	267.1	-56.5	-10	0	-10	3	6	0	0	0	0	27.5	
NAP 301 24F	F.S. Pump Room	S15	Exhaust Fans	1	85	100%	267.1	-56.5	-10	0	-10	3	0	0	0	0	0	21.5	
NAP 301 24F	Exhaust Fan Room	S16	General Exhaust Fans	5	85	100%	269.7	-56.6	-10	0	-10	3	0	0	0	7.0	0	28.4	
NAP 301 24F	PAU Room 1	S17	PAU	2	85	100%	307.9	-57.8	-10	0	-10	3	0	0	0	3.0	0	23.2	
NAP 301 24F	PAU Room 1	S18	Exhaust Fans	1	85	100%	307.9	-57.8	-10	0	-10	3	0	0	0	0	0	20.2	
NAP 301 24F	Chiller Plant Room	S19	Chiller Plant	2	85	100%	305.8	-57.7	-10	0	-10	3	0	0	0	3.0	0	23.3	
NAP 301 24F	Chiller Plant Room	S20	Exhaust Fans	1	85	100%	309.2	-57.8	-10	0	-10	3	0	0	0	0	0	20.2	
NAP 301 24F	Water Vehicle Filing and Automatic Vehicle Washing System Water Tank and Water Pump Room	S21	Water Pumps	2	85	100%	309.2	-57.8	-10	0	-10	3	6	0	0	3.0	0	29.2	
NAP 301 24F	Water Vehicle Filing and Automatic Vehicle Washing System Water Tank and Water Pump Room	S22	Exhaust Fans	1	85	100%	309.2	-57.8	-10	0	-10	3	0	0	0	0	0	20.2	
NAP 301 24F	Battery Charging Room	S23	Exhaust Fans	1	85	100%	227.3	-55.1	-10	0	-10	3	0	0	0	0	0	22.9	
NAP 301 24F	Exhaust Fan Room	S24	General Exhaust Fans	4	85	100%	308.2	-57.8	-10	0	-10	3	0	0	0	6.0	0	26.2	
NAP 301 24F	Exhaust Fan Room	S25	Welding Exhaust Fans	2	85	100%	308.2	-57.8	-10	0	-10	3	0	0	0	3.0	0	23.2	
NAP 301 24F	Exhaust Fan Room	S26	Exhaust Fans	3	85	100%	308.2	-57.8	-10	0	-10	3	0	0	0	4.8	0	25.0	
NAP 301 24F	TBE Room	S27	Exhaust Fans	1	85	100%	265.3	-56.5	-10	0	-10	3	0	0	0	0	0	21.5	
NAP 301 24F	PAU Room 2	S28	PAU	5	85	100%	307.2	-57.7	-10	0	-10	3	0	0	0	7.0	0	27.3	
NAP 301 24F	AHU Room	S29	AHU	1	85	100%	301.5	-57.6	-10	0	-10	3	0	0	0	0	0	20.4	
NAP 301 24F	Lift Machine Room	S30	Lift Machine	3	85	100%	229.5	-55.2	-10	0	-10	3	0	0	0	4.8	0	27.6	
NAP 301 24F	Lift Machine Room	S31	Exhaust Fans	1	85	100%	231.3	-55.3	-10	0	-10	3	0	0	0	0	0	22.7	
NAP 301 24F	Portable Flushing and Makeup Water Pump Room	S32	Water Pumps	3	85	100%	262.5	-56.4	-10	0	-10	3	6	0	0	4.8	0	32.4	
NAP 301 24F	Portable Flushing and Makeup Water Pump Room	S33	Exhaust Fans	1	85	100%	262.5	-56.4	-10	0	-10	3	0	0	0	0	0	21.6	
NAP 301 24F	Cooling Tower Plant Room	S34	Cooling towers	2	100	100%	262.5	-56.4	-10	0	-10	3	0	0	0	3.0	0	39.6	
NAP 301 24F	L1 HKPF	S36	Hand-held Pneumatic Tools	1	100	7%	261.4	-56.3	-10	0	-10	3	0	0	0	0	-11.8	24.9	
NAP 301 24F	L1 HKPF	S37	Hammering Activities	3	113	7%	297.4	-57.5	-10	0	-10	3	0	3	0	4.8	-11.8	44.5	
NAP 301 24F	FEHD	S38	Automatic Vehicle Washing Machine	1	88	27%	272.6	-56.7	-10	0	-10	3	0	0	0	0	-5.7	18.6	
NAP 301 24F	EMSD Dept	S39	Motorcycle Speedometer Calibrator	1	112	3%	290.8	-57.3	-10	0	-10	3	0	0	0	0	-14.8	32.9	
NAP 301 24F	EMSD Dept	S40	Tyre Changer	1	98	27%	250.4	-56.0	-10	0	-10	3	0	0	0	0	-5.7	29.3	
NAP 301 24F	EMSD Dept	S41	Hammering Activities	4	113	7%	278.4	-56.9	-10	0	-10	3	0	3	0	6.0	-11.8	46.4	
NAP 301 24F	EMSD Dept	S42	Hand-held Pneumatic Tools	4	100	13%	266.4	-56.5	-10	0	-10	3	0	0	0	6.0	-8.8	33.8	
NAP 301 24F	EMSD Dept	S43	Roller Brake Tester	1	99	5%	248.7	-55.9	-10	0	-10	3	0	0	0	0	-13.0	23.1	
NAP 301 24F	EMSD Dept	S44	Motorcycle Brake Tester	1	99	20%	266.4	-56.5	-10	0	-10	3	0	0	0	0	-7.0	28.5	
NAP 301 24F	L1 HKPF	S45	Roller Brake Tester	1	99	20%	244.8	-55.8	-10	0	-10	3	0	0	0	0	-7.0	29.2	

(Night-time)

NAP ID	Room	Source ID	Identified Noise Sources	Quantity / Max concurrent works, nos.	Maximum Allowable SWL, dB(A)	Percentage on-time over 30 mins	Slant Distance, m	Distance Attenuation, dB(A)	Barrier Correction due to Surrounding Buildings, dB(A)	Barrier Correction due to Interior Structure, dB(A)	Overall Barrier Correction, dB(A)	Façade Correction, dB(A)	Correction for Tonality, dB(A)	Correction for Impulsiveness, dB(A)	Correction for Intermittency, dB(A)	Correction for Quantity, dB(A)	Percentage On-time Correction, dB(A)	Predicted Noise Level, dB(A)	Resultant SPL, Leq(30mins), dB(A)
NAP 301 1F	Chiller Pump Room	S1	Water Pumps	1	85	100%	229.8	-55.2	-10	0	-10	3	6	0	0	0	0	28.8	44
NAP 301 1F	Chiller Pump Room	S2	Exhaust Fans	1	85	100%	232.1	-55.3	-10	0	-10	3	0	0	0	0	0	22.7	
NAP 301 1F	Exhaust Fan Room	S3	General Exhaust Fans	1	85	100%	254.0	-56.1	-10	0	-10	3	0	0	0	0	0	21.9	
NAP 301 1F	Compressor Room	S4	Compressors	0	85	0%	278.7	-56.9	-10	0	-10	3	0	0	0	0	0	0.0	
NAP 301 1F	Compressor Room	S5	Exhaust Fans	0	85	0%	285.1	-57.1	-10	0	-10	3	0	0	0	0	0	0.0	
NAP 301 1F	Transformer Room	S6	Transformers	2	85	100%	285.1	-57.1	-10	0	-10	3	6	0	0	3.0	0	29.9	
NAP 301 1F	Transformer Room	S7	Exhaust Fans	1	85	100%	285.1	-57.1	-10	0	-10	3	0	0	0	0	0	20.9	
NAP 301 1F	Transferred Tank Pump Room	S8	Transferred Water Pumps	2	85	100%	285.1	-57.1	-10	0	-10	3	6	0	0	3.0	0	29.9	
NAP 301 1F	Transferred Tank Pump Room	S9	Exhaust Fans	1	85	100%	285.1	-57.1	-10	0	-10	3	0	0	0	0	0	20.9	
NAP 301 1F	Generator Room	S10	Generator (operations during power failure / maintenance)	2	85	100%	302.8	-57.6	-10	0	-10	3	0	0	0	3.0	0	23.4	
NAP 301 1F	Generator Room	S11	Exhaust Fans	1	85	100%	372.4	-59.4	-10	0	-10	3	0	0	0	0	0	18.6	
NAP 301 1F	Compressor Room	S12	Compressors	0	85	0%	263.9	-56.4	-10	0	-10	3	0	0	0	0	0	0.0	
NAP 301 1F	Compressor Room	S13	Exhaust Fans	0	85	0%	260.5	-56.3	-10	0	-10	3	0	0	0	0	0	0.0	
NAP 301 1F	F.S. Pump Room	S14	Water Pumps	1	85	100%	260.5	-56.3	-10	0	-10	3	6	0	0	0	0	27.7	
NAP 301 1F	F.S. Pump Room	S15	Exhaust Fans	1	85	100%	260.5	-56.3	-10	0	-10	3	0	0	0	0	0	21.7	
NAP 301 1F	Exhaust Fan Room	S16	General Exhaust Fans	2	85	100%	264.1	-56.4	-10	0	-10	3	0	0	0	3.0	0	24.6	
NAP 301 1F	PAU Room 1	S17	PAU	1	85	100%	303.0	-57.6	-10	0	-10	3	0	0	0	0	0	20.4	
NAP 301 1F	PAU Room 1	S18	Exhaust Fans	0	85	0%	303.0	-57.6	-10	0	-10	3	0	0	0	0	0	0.0	
NAP 301 1F	Chiller Plant Room	S19	Chiller Plant	1	85	100%	301.7	-57.6	-10	0	-10	3	0	0	0	0	0	20.4	
NAP 301 1F	Chiller Plant Room	S20	Exhaust Fans	1	85	100%	305.2	-57.7	-10	0	-10	3	0	0	0	0	0	20.3	
NAP 301 1F	Water Vehicle Filing and Automatic Vehicle Washing System Water Tank and Water Pump Room	S21	Water Pumps	2	85	100%	305.2	-57.7	-10	0	-10	3	6	0	0	3.0	0	29.3	
NAP 301 1F	Water Vehicle Filing and Automatic Vehicle Washing System Water Tank and Water Pump Room	S22	Exhaust Fans	1	85	100%	305.2	-57.7	-10	0	-10	3	0	0	0	0	0	20.3	
NAP 301 1F	Battery Charging Room	S23	Exhaust Fans	0	85	0%	223.8	-55.0	-10	0	-10	3	0	0	0	0	0	0.0	
NAP 301 1F	Exhaust Fan Room	S24	General Exhaust Fans	0	85	0%	305.6	-57.7	-10	0	-10	3	0	0	0	0	0	0.0	
NAP 301 1F	Exhaust Fan Room	S25	Welding Exhaust Fans	0	85	0%	305.6	-57.7	-10	0	-10	3	0	0	0	0	0	0.0	
NAP 301 1F	Exhaust Fan Room	S26	Exhaust Fans	0	85	0%	305.6	-57.7	-10	0	-10	3	0	0	0	0	0	0.0	
NAP 301 1F	TBE Room	S27	Exhaust Fans	0	85	0%	264.1	-56.4	-10	0	-10	3	0	0	0	0	0	0.0	
NAP 301 1F	PAU Room 2	S28	PAU	0	85	0%	306.3	-57.7	-10	0	-10	3	0	0	0	0	0	0.0	
NAP 301 1F	AHU Room	S29	AHU	0	85	0%	300.5	-57.6	-10	0	-10	3	0	0	0	0	0	0.0	
NAP 301 1F	Lift Machine Room	S30	Lift Machine	1	85	100%	229.6	-55.2	-10	0	-10	3	0	0	0	0	0	22.8	
NAP 301 1F	Lift Machine Room	S31	Exhaust Fans	1	85	100%	231.4	-55.3	-10	0	-10	3	0	0	0	0	0	22.7	
NAP 301 1F	Portable Flushing and Makeup Water Pump Room	S32	Water Pumps	3	85	100%	262.6	-56.4	-10	0	-10	3	6	0	0	4.8	0	32.4	
NAP 301 1F	Portable Flushing and Makeup Water Pump Room	S33	Exhaust Fans	1	85	100%	262.6	-56.4	-10	0	-10	3	0	0	0	0	0	21.6	
NAP 301 1F	Cooling Tower Plant Room	S34	Cooling towers	1	100	100%	262.6	-56.4	-10	0	-10	3	0	0	0	0	0	36.6	
NAP 301 1F	L1 HKPF	S36	Hand-held Pneumatic Tools	1	100	2%	250.7	-56.0	-10	0	-10	3	0	0	0	0	-17.8	19.2	
NAP 301 1F	L1 HKPF	S37	Hammering Activities	1	113	7%	288.0	-57.2	-10	0	-10	3	0	3	0	0	-11.8	40.0	
NAP 301 1F	FEHD	S38	Automatic Vehicle Washing Machine	1	88	27%	268.0	-56.6	-10	0	-10	3	0	0	0	0	-6	18.7	
NAP 301 1F	EMSD Dept	S39	Motorcycle Speedometer Calibrator	0	112	0%	288.1	-57.2	-10	0	-10	3	0	0	0	0	0	0.0	
NAP 301 1F	EMSD Dept	S40	Tyre Changer	0	98	0%	247.2	-55.9	-10	0	-10	3	0	0	0	0	0	0.0	
NAP 301 1F	EMSD Dept	S41	Hammering Activities	0	113	0%	275.5	-56.8	-10	0	-10	3	0	3	0	0	0	0.0	
NAP 301 1F	EMSD Dept	S42	Hand-held Pneumatic Tools	0	100	0%	263.3	-56.4	-10	0	-10	3	0	0	0	0	0	0.0	
NAP 301 1F	EMSD Dept	S43	Roller Brake Tester	0	99	0%	245.4	-55.8	-10	0	-10	3	0	0	0	0	0	0.0	
NAP 301 1F	EMSD Dept	S44	Motorcycle Brake Tester	0	99	0%	263.3	-56.4	-10	0	-10	3	0	0	0	0	0	0.0	
NAP 301 1F	L1 HKPF	S45	Roller Brake Tester	1	99	7%	241.5	-55.7	-10	0	-10	3	0	0	0	0	-11.8	24.5	
NAP 301 12F	Chiller Pump Room	S1	Water Pumps	1	85	100%	232.9	-55.3	-10	0	-10	3	6	0	0	0	0	28.7	44
NAP 301 12F	Chiller Pump Room	S2	Exhaust Fans	1	85	100%	235.2	-55.4	-10	0	-10	3	0	0	0	0	0	22.6	
NAP 301 12F	Exhaust Fan Room	S3	General Exhaust Fans	1	85	100%	256.8	-56.2	-10	0	-10	3	0	0	0	0	0	21.8	
NAP 301 12F	Compressor Room	S4	Compressors	0	85	0%	281.2	-57.0	-10	0	-10	3	0	0	0	0	0	0.0	
NAP 301 12F	Compressor Room	S5	Exhaust Fans	0	85	0%	287.6	-57.2	-10	0	-10	3	0	0	0	0	0	0.0	
NAP 301 12F	Transformer Room	S6	Transformers	2	85	100%	287.6	-57.2	-10	0	-10	3	6	0	0	3.0	0	29.8	
NAP 301 12F	Transformer Room	S7	Exhaust Fans	1	85	100%	287.6	-57.2	-10	0	-10	3	0	0	0	0	0	20.8	
NAP 301 12F	Transferred Tank Pump Room	S8	Transferred Water Pumps	2	85	100%	287.6	-57.2	-10	0	-10	3	6	0	0	3.0	0	29.8	
NAP 301 12F	Transferred Tank Pump Room	S9	Exhaust Fans	1	85	100%	287.6	-57.2	-10	0	-10	3	0	0	0	0	0	20.8	
NAP 301 12F	Generator Room	S10	Generator (operations during power failure / maintenance)	2	85	100%	304.3	-57.7	-10	0	-10	3	0	0	0	3.0	0	23.3	
NAP 301 12F	Generator Room	S11	Exhaust Fans	1	85	100%	374.2	-59.5	-10	0	-10	3	0	0	0	0	0	18.5	
NAP 301 12F	Compressor Room	S12	Compressors	0	85	0%	264.8	-56.5	-10	0	-10	3	0	0	0	0	0	0.0	
NAP 301 12F	Compressor Room	S13	Exhaust Fans	0	85	0%	261.4	-56.3	-10	0	-10	3	0	0	0	0	0	0.0	
NAP 301 12F	F.S. Pump Room	S14	Water Pumps	1	85	100%	261.4	-56.3	-10	0	-10	3	6	0	0	0	0	27.7	
NAP 301 12F	F.S. Pump Room	S15	Exhaust Fans	1	85	100%	261.4	-56.3	-10	0	-10	3	0	0	0	0	0	21.7	
NAP 301 12F	Exhaust Fan Room	S16	General Exhaust Fans	2	85	100%	264.6	-56.5	-10	0	-10	3	0	0	0	3.0	0	24.5	
NAP 301 12F	PAU Room 1	S17	PAU	1	85	100%	303.4	-57.6	-10	0	-10	3	0	0	0	0	0	20.4	
NAP 301 12F	PAU Room 1	S18	Exhaust Fans	0	85	0%	303.4	-57.6	-10	0	-10	3	0	0	0	0	0	0.0	
NAP 301 12F	Chiller Plant Room	S19	Chiller Plant	1	85	100%	301.7	-57.6	-10	0	-10	3	0	0	0	0	0	20.4	
NAP 301 12F	Chiller Plant Room	S20	Exhaust Fans	1	85	100%	305.2	-57.7	-10	0	-10	3	0	0	0	0	0	20.3	
NAP 301 12F	Water Vehicle Filing and Automatic Vehicle Washing System Water Tank and Water Pump Room	S21	Water Pumps	2	85	100%	305.2	-57.7	-10	0	-10	3	6	0	0	3.0	0	29.3	
NAP 301 12F	Water Vehicle Filing and Automatic Vehicle Washing System Water Tank and Water Pump Room	S22	Exhaust Fans	1	85	100%	305.2	-57.7	-10	0	-10	3	0	0	0	0	0	20.3	
NAP 301 12F	Battery Charging Room	S23	Exhaust Fans	0	85	0%	222.8	-55.0	-10	0	-10	3	0	0	0	0	0	0.0	
NAP 301 12F	Exhaust Fan Room	S24	General Exhaust Fans	0	85	0%	304.9	-57.7	-10	0	-10	3	0	0	0	0	0	0.0	
NAP 301 12F	Exhaust Fan Room	S25	Welding Exhaust Fans	0	85	0%	304.9	-57.7	-10	0	-10	3	0	0	0	0	0	0.0	
NAP 301 12F	Exhaust Fan Room	S26	Exhaust Fans	0	85	0%	304.9	-57.7	-10	0	-10	3	0	0	0	0	0	0.0	
NAP 301 12F	TBE Room	S27	Exhaust Fans	0	85	0%	262.4	-56.4	-10	0	-10	3	0	0	0	0	0	0.0	
NAP 301 12F	PAU Room 2	S28	PAU	0	85	0%	304.8	-57.7	-10	0	-10	3	0	0	0	0	0	0.0	
NAP 301 12F	AHU Room	S29	AHU	0	85	0%	299.0	-57.5	-10	0	-10	3	0	0	0	0	0	0.0	
NAP 301 12F	Lift Machine Room	S30	Lift Machine	1	85	100%	226.9	-55.1	-10	0	-10	3	0	0	0	0	0	22.9	
NAP 301 12F	Lift Machine Room	S31	Exhaust Fans	1	85	100%	228.8	-55.2	-10	0	-10	3	0	0	0	0	0	22.8	
NAP 301 12F	Portable Flushing and Makeup Water Pump Room	S32	Water Pumps	3	85	100%	260.3	-56.3	-10	0	-10	3	6	0	0	4.8	0	32.5	
NAP 301 12F	Portable Flushing and Makeup Water Pump Room	S33	Exhaust Fans	1	85	100%	260.3	-56.3	-10	0	-10	3	0	0	0	0	0	21.7	
NAP 301 12F	Cooling Tower Plant Room	S34	Cooling towers	1	100	100%	260.3	-56.3	-10	0	-10	3	0	0	0	0	0	36.7	
NAP 301 12F	L1 HKPF	S36	Hand-held Pneumatic Tools	1	100	2%	253.5	-56.1	-10	0	-10	3	0	0	0	0	-17.8	19.1	
NAP 301 12F	L1 HKPF	S37	Hammering Activities	1	113	7%	290.5	-57.3	-10	0	-10	3	0	3	0	0	-11.8	39.9	
NAP 301 12F	FEHD	S38	Automatic Vehicle Washing Machine	1	88	27%	268.0	-56.6	-10	0	-10	3	0	0	0	0	-6	18.7	
NAP 301 12F	EMSD Dept	S39	Motorcycle Speedometer Calibrator	0	112	0%	287.3	-57.2	-10	0	-10	3	0	0	0	0	0	0.0	
NAP 301 12F	EMSD Dept	S40	Tyre Changer	0	98	0%	246.3	-55.8	-10	0	-10	3	0	0	0	0	0	0.0	
NAP 301 12F	EMSD Dept	S41	Hammering Activities	0	113	0%	274.8	-56.8	-10	0	-10	3	0	3	0	0	0	0.0	
NAP 301 12F	EMSD Dept	S42	Hand-held Pneumatic Tools	0	100	0%	262.5	-56.4	-10	0	-10	3	0	0	0	0	0	0.0	
NAP 301 12F	EMSD Dept	S43	Roller Brake Tester	0	99	0%	244.6	-55.8	-10	0	-10	3	0	0	0	0	0	0.0	
NAP 301 12F	EMSD Dept	S44	Motorcycle Brake Tester	0	99	0%	262.5	-56.4	-10	0	-10	3	0	0	0	0	0	0.0	
NAP 301 12F	L1 HKPF	S45	Roller Brake Tester	1	99	7%	240.7	-55.6	-10	0	-10	3	0	0	0	0	-11.8	24.6	
NAP 301 24F	Chiller Pump Room	S1	Water Pumps	1	85	100%	241.4	-55.7	-10	0	-10	3	6	0	0	0	0	28.3	43
NAP 301 24F	Chiller Pump Room	S2	Exhaust Fans	1	85	100%	243.6	-55.7	-10	0	-10	3	0	0	0	0	0	22.3	
NAP 301 24F	Exhaust Fan Room	S3	General Exhaust Fans	1	85	100%	264.5	-56.4	-10	0	-10	3	0	0	0	0	0	21.6	
NAP 301 24F	Compressor Room	S4	Compressors	0	85	0%	288.3	-57.2	-10	0	-10	3	0	0	0	0	0	0.0	
NAP 301 24F	Compressor Room	S5	Exhaust Fans	0	85	0%	294.5	-57.4	-10	0	-10	3	0	0	0	0	0	0.0	
NAP 301 24F	Transformer Room	S6	Transformers	2	85	100%	294.5	-57.4	-10	0	-10	3	6	0	0	3.0	0	29.6	
NAP 301 24F	Transformer Room	S7	Exhaust Fans	1	85	100%	294.5	-57.4	-10	0	-10	3	0	0	0	0	0	20.6	
NAP 301 24F	Transferred Tank Pump Room	S8	Transferred Water Pumps	2	85	100%	294.5	-57.4	-10	0	-10	3	6	0	0	3.0	0	29.6	
NAP 301 24F	Transferred Tank Pump Room	S9	Exhaust Fans	1	85	100%	294.5	-57.4	-10	0	-10	3	0	0	0	0	0	20.6	
NAP 301 24F	Generator Room	S10	Generator (operations during power failure / maintenance)	2	85	100%	310.0	-57.8	-10	0	-10	3	0	0	0	3.0	0	23.2	
NAP 301 24F	Generator Room	S11	Exhaust Fans	1	85	100%	379.3	-59.6	-10	0	-10	3	0	0	0	0	0	18.4	
NAP 301 24F	Compressor Room	S12	Compressors	0	85	0%	270.5	-56.6	-10	0	-10	3	0	0	0	0	0	0.0	
NAP 301 24F	Compressor Room	S13	Exhaust Fans	0	85	0%	267.1	-56.5	-10	0	-10	3	0	0	0	0	0	0.0	
NAP 301 24F	F.S. Pump Room	S14	Water Pumps	1	85	100%	267.1	-56.5	-10	0	-10	3	6	0	0	0	0	27.5	
NAP 301 24F	F.S. Pump Room	S15	Exhaust Fans	1	85	100%	267.1	-56.5	-10	0	-10	3	0	0	0	0	0	21.5	
NAP 301 24F	Exhaust Fan Room	S16	General Exhaust Fans	2	85	100%	269.7	-56.6	-10	0	-10	3	0	0	0	3.0	0	24.4	
NAP 301 24F	PAU Room 1	S17	PAU	1	85	100%	307.9	-57.8	-10	0	-10	3	0	0	0	0	0	20.2	
NAP 301 24F	PAU Room 1	S18	Exhaust Fans	0	85	0%	307.9	-57.8	-10	0	-10	3	0	0	0	0	0	0.0	
NAP 301 24F	Chiller Plant Room	S19	Chiller Plant	1	85	100%	305.8	-57.7	-10	0	-10	3	0	0	0	0	0	20.3	
NAP 301 24F	Chiller Plant Room	S20	Exhaust Fans	1	85	100%	309.2	-57.8	-10	0	-10	3	0	0	0	0	0	20.2	
NAP 301 24F	Water Vehicle Filing and Automatic Vehicle Washing System Water Tank and Water Pump Room	S21	Water Pumps	2	85	100%	309.2	-57.8	-10	0	-10	3	6	0	0	3.0	0	29.2	
NAP 301 24F	Water Vehicle Filing and Automatic Vehicle Washing System Water Tank and Water Pump Room	S22	Exhaust Fans	1	85	100%	309.2	-57.8	-10	0	-10	3	0	0	0	0	0	20.2	
NAP 301 24F	Battery Charging Room	S23	Exhaust Fans	0	85	0%	227.3	-55.1	-10	0	-10	3	0	0	0	0	0	0.0	
NAP 301 24F	Exhaust Fan Room	S24	General Exhaust Fans	0	85	0%	308.2	-57.8	-10	0	-10	3	0	0	0	0	0	0.0	
NAP 301 24F	Exhaust Fan Room	S25	Welding Exhaust Fans	0	85	0%	308.2	-57.8	-10	0	-10	3	0	0	0	0	0	0.0	
NAP 301 24F	Exhaust Fan Room	S26	Exhaust Fans	0	85	0%	308.2	-57.8	-10	0	-10	3	0	0	0	0	0	0.0	
NAP 301 24F	TBE Room	S27	Exhaust Fans	0	85	0%	265.3	-56.5	-10	0	-10	3	0	0	0	0	0	0.0	
NAP 301 24F	PAU Room 2	S28	PAU	0	85	0%	307.2	-57.7	-10	0	-10	3	0	0	0	0	0	0.0	
NAP 301 24F	AHU Room	S29	AHU	0	85	0%	301.5	-57.6	-10	0	-10	3	0	0	0	0	0	0.0	
NAP 301 24F	Lift Machine Room	S30	Lift Machine	1	85	100%	229.5	-55.2	-10	0	-10	3	0	0	0	0	0	22.8	
NAP 301 24F	Lift Machine Room	S31	Exhaust Fans	1	85	100%	231.3	-55.3	-10	0	-10	3	0	0	0	0	0	22.7	
NAP 301 24F	Portable Flushing and Makeup Water Pump Room	S32	Water Pumps	3	85	100%	262.5	-56.4	-10	0	-10	3	6	0	0	4.8	0	32.4	
NAP 301 24F	Portable Flushing and Makeup Water Pump Room	S33	Exhaust Fans	1	85	100%	262.5	-56.4	-10	0	-10	3	0	0	0	0	0	21.6	
NAP 301 24F	Cooling Tower Plant Room	S34	Cooling towers	1	100	100%	262.5	-56.4	-10	0	-10	3	0	0	0	0	0	36.6	
NAP 301 24F	L1 HKPF	S36	Hand-held Pneumatic Tools	1	100	2%	261.4	-56.3	-10	0	-10	3	0	0	0	0	-17.8	18.9	
NAP 301 24F	L1 HKPF	S37	Hammering Activities	1	113	7%	297.4	-57.5	-10	0	-10	3	0	3	0	0	-11.8	39.7	
NAP 301 24F	FEHD	S38	Automatic Vehicle Washing Machine	1	88	27%	272.6	-56.7	-10	0	-10	3	0	0	0	0	-6	18.6	
NAP 301 24F	EMSD Dept	S39	Motorcycle Speedometer Calibrator	0	112	0%	290.8	-57.3	-10	0	-10	3	0	0	0	0	0	0.0	
NAP 301 24F	EMSD Dept	S40	Tyre Changer	0	98	0%	250.4	-56.0	-10	0	-10	3	0	0	0	0	0	0.0	
NAP 301 24F	EMSD Dept	S41	Hammering Activities	0	113	0%	278.4	-56.9	-10	0	-10	3	0	3	0	0	0	0.0	
NAP 301 24F	EMSD Dept	S42	Hand-held Pneumatic Tools	0	100	0%	266.4	-56.5	-10	0	-10	3	0	0	0	0	0	0.0	
NAP 301 24F	EMSD Dept	S43	Roller Brake Tester	0	99	0%	248.7	-55.9	-10	0	-10	3	0	0	0	0	0	0.0	
NAP 301 24F	EMSD Dept	S44	Motorcycle Brake Tester	0	99	0%	266.4	-56.5	-10	0	-10	3	0	0	0	0	0	0.0	
NAP 301 24F	L1 HKPF	S45	Roller Brake Tester	1	99	7%	244.8	-55.8	-10	0	-10	3	0	0	0	0	-11.8	24.4	

(Day / Evening Time)

NAP ID	Room	Source ID	Identified Noise Sources	Quantity / Max concurrent works, nos.	Maximum Allowable SWL, dB(A)	Percentage on-time over 30 mins	Slant Distance, m	Distance Attenuation, dB(A)	Barrier Correction due to Surrounding Buildings, dB(A)	Barrier Correction due to Interior Structure, dB(A)	Overall Barrier Correction, dB(A)	Façade Correction, dB(A)	Correction for Tonality, dB(A)	Correction for Impulsiveness, dB(A)	Correction for Intermittency, dB(A)	Correction for Quantity, dB(A)	Percentage On-time Correction, dB(A)	Predicted Noise Level, dB(A)	Resultant SPL, Leq(30mins), dB(A)
NAP 401 1F	Chiller Pump Room	S1	Water Pumps	2	85	100%	389.3	-59.8	0	-5	-5	3	6	0	0	3.0	0	32.2	57
NAP 401 1F	Chiller Pump Room	S2	Exhaust Fans	1	85	100%	379.1	-59.6	0	0	0	3	0	0	0	0	0	28.4	
NAP 401 1F	Exhaust Fan Room	S3	General Exhaust Fans	5	85	100%	358.1	-59.1	0	0	0	3	0	0	0	7.0	0	35.9	
NAP 401 1F	Compressor Room	S4	Compressors	1	85	100%	352.9	-59.0	0	-5	-5	3	0	0	0	0	0	24.0	
NAP 401 1F	Compressor Room	S5	Exhaust Fans	1	85	100%	348.9	-58.9	0	0	0	3	0	0	0	0	0	29.1	
NAP 401 1F	Transformer Room	S6	Transformers	2	85	100%	348.9	-58.9	0	0	0	3	6	0	0	3.0	0	38.1	
NAP 401 1F	Transformer Room	S7	Exhaust Fans	1	85	100%	348.9	-58.9	0	0	0	3	0	0	0	0	0	29.1	
NAP 401 1F	Transferred Tank Pump Room	S8	Transferred Water Pumps	2	85	100%	348.9	-58.9	0	-10	-10	3	6	0	0	3.0	0	28.1	
NAP 401 1F	Transferred Tank Pump Room	S9	Exhaust Fans	1	85	100%	348.9	-58.9	0	-10	-10	3	0	0	0	0	0	19.1	
NAP 401 1F	Generator Room	S10	Generator (operations during power failure / maintenance)	2	85	100%	358.5	-59.1	0	0	0	3	0	0	0	3.0	0	31.9	
NAP 401 1F	Generator Room	S11	Exhaust Fans	1	85	100%	519.7	-62.3	0	0	0	3	0	0	0	0	0	25.7	
NAP 401 1F	Compressor Room	S12	Compressors	1	85	100%	359.9	-59.1	0	-5	-5	3	0	0	0	0	0	23.9	
NAP 401 1F	Compressor Room	S13	Exhaust Fans	1	85	100%	355.2	-59.0	0	0	0	3	0	0	0	0	0	29.0	
NAP 401 1F	F.S. Pump Room	S14	Water Pumps	1	85	100%	355.2	-59.0	0	-5	-5	3	6	0	0	0	0	30.0	
NAP 401 1F	F.S. Pump Room	S15	Exhaust Fans	1	85	100%	355.2	-59.0	0	0	0	3	0	0	0	0	0	29.0	
NAP 401 1F	Exhaust Fan Room	S16	General Exhaust Fans	5	85	100%	354.8	-59.0	0	0	0	3	0	0	0	7.0	0	36.0	
NAP 401 1F	PAU Room 1	S17	PAU	2	85	100%	356.0	-59.0	0	0	0	3	0	0	0	3.0	0	32.0	
NAP 401 1F	PAU Room 1	S18	Exhaust Fans	1	85	100%	356.0	-59.0	0	0	0	3	0	0	0	0	0	29.0	
NAP 401 1F	Chiller Plant Room	S19	Chiller Plant	2	85	100%	355.1	-59.0	0	0	0	3	0	0	0	3.0	0	32.0	
NAP 401 1F	Chiller Plant Room	S20	Exhaust Fans	1	85	100%	350.9	-58.9	0	0	0	3	0	0	0	0	0	29.1	
NAP 401 1F	Water Vehicle Filing and Automatic Vehicle Washing System Water Tank and Water Pump Room	S21	Water Pumps	2	85	100%	350.9	-58.9	0	-10	-10	3	6	0	0	3.0	0	28.1	
NAP 401 1F	Water Vehicle Filing and Automatic Vehicle Washing System Water Tank and Water Pump Room	S22	Exhaust Fans	1	85	100%	350.9	-58.9	0	-10	-10	3	0	0	0	0	0	19.1	
NAP 401 1F	Battery Charging Room	S23	Exhaust Fans	1	85	100%	405.1	-60.2	0	0	0	3	0	0	0	0	0	27.8	
NAP 401 1F	Exhaust Fan Room	S24	General Exhaust Fans	4	85	100%	351.2	-58.9	0	0	0	3	0	0	0	6.0	0	35.1	
NAP 401 1F	Exhaust Fan Room	S25	Welding Exhaust Fans	2	85	100%	351.2	-58.9	0	0	0	3	0	0	0	3.0	0	32.1	
NAP 401 1F	Exhaust Fan Room	S26	Exhaust Fans	3	85	100%	351.2	-58.9	0	0	0	3	0	0	0	4.8	0	33.9	
NAP 401 1F	TBE Room	S27	Exhaust Fans	1	85	100%	356.4	-59.0	0	0	0	3	0	0	0	0	0	29.0	
NAP 401 1F	PAU Room 2	S28	PAU	5	85	100%	351.8	-58.9	0	0	0	3	0	0	0	7.0	0	36.1	
NAP 401 1F	AHU Room	S29	AHU	1	85	100%	407.9	-60.2	0	-10	-10	3	0	0	0	0	0	17.8	
NAP 401 1F	Lift Machine Room	S30	Lift Machine	3	85	100%	392.2	-59.9	0	-5	-5	3	0	0	0	4.8	0	27.9	
NAP 401 1F	Lift Machine Room	S31	Exhaust Fans	1	85	100%	388.1	-59.8	0	0	0	3	0	0	0	0	0	28.2	
NAP 401 1F	Portable Flushing and Makeup Water Pump Room	S32	Water Pumps	3	85	100%	357.0	-59.1	0	-5	-5	3	6	0	0	4.8	0	34.7	
NAP 401 1F	Portable Flushing and Makeup Water Pump Room	S33	Exhaust Fans	1	85	100%	357.0	-59.1	0	0	0	3	0	0	0	0	0	28.9	
NAP 401 1F	Cooling Tower Plant Room	S34	Cooling towers	2	100	100%	357.0	-59.1	0	0	0	3	0	0	0	3.0	0	46.9	
NAP 401 1F	L1 HKPF	S36	Hand-held Pneumatic Tools	1	100	7%	377.1	-59.5	0	0	0	3	0	0	0	0	-11.8	31.7	
NAP 401 1F	L1 HKPF	S37	Hammering Activities	3	113	7%	402.3	-60.1	0	0	0	3	0	3	0	4.8	-11.8	51.9	
NAP 401 1F	FEHD	S38	Automatic Vehicle Washing Machine	1	88	27%	388.2	-59.8	0	0	0	3	0	0	0	0	-5.7	25.5	
NAP 401 1F	EMSD Dept	S39	Motorcycle Speedometer Calibrator	1	112	3%	360.6	-59.1	0	0	0	3	0	0	0	0	-14.8	41.1	
NAP 401 1F	EMSD Dept	S40	Tyre Changer	1	98	27%	365.2	-59.2	0	0	0	3	0	0	0	0	-5.7	36.1	
NAP 401 1F	EMSD Dept	S41	Hammering Activities	4	113	7%	409.6	-60.2	0	0	0	3	0	3	0	6.0	-11.8	53.1	
NAP 401 1F	EMSD Dept	S42	Hand-held Pneumatic Tools	4	100	13%	359.8	-59.1	0	0	0	3	0	0	0	6.0	-8.8	41.2	
NAP 401 1F	EMSD Dept	S43	Roller Brake Tester	1	99	5%	417.5	-60.4	0	0	0	3	0	0	0	0	-13.0	28.6	
NAP 401 1F	EMSD Dept	S44	Motorcycle Brake Tester	1	99	20%	359.8	-59.1	0	0	0	3	0	0	0	0	-7.0	35.9	
NAP 401 1F	L1 HKPF	S45	Roller Brake Tester	1	99	20%	366.1	-59.3	0	0	0	3	0	0	0	0	-7.0	35.7	
NAP 401 15F	Chiller Pump Room	S1	Water Pumps	2	85	100%	391.9	-59.9	0	-5	-5	3	6	0	0	3.0	0	32.1	57
NAP 401 15F	Chiller Pump Room	S2	Exhaust Fans	1	85	100%	381.8	-59.6	0	0	0	3	0	0	0	0	0	28.4	
NAP 401 15F	Exhaust Fan Room	S3	General Exhaust Fans	5	85	100%	360.9	-59.1	0	0	0	3	0	0	0	7.0	0	35.9	
NAP 401 15F	Compressor Room	S4	Compressors	1	85	100%	355.8	-59.0	0	-5	-5	3	0	0	0	0	0	24.0	
NAP 401 15F	Compressor Room	S5	Exhaust Fans	1	85	100%	351.8	-58.9	0	0	0	3	0	0	0	0	0	29.1	
NAP 401 15F	Transformer Room	S6	Transformers	2	85	100%	351.8	-58.9	0	0	0	3	6	0	0	3.0	0	38.1	
NAP 401 15F	Transformer Room	S7	Exhaust Fans	1	85	100%	351.8	-58.9	0	0	0	3	0	0	0	0	0	29.1	
NAP 401 15F	Transferred Tank Pump Room	S8	Transferred Water Pumps	2	85	100%	351.8	-58.9	0	-10	-10	3	6	0	0	3.0	0	28.1	
NAP 401 15F	Transferred Tank Pump Room	S9	Exhaust Fans	1	85	100%	351.8	-58.9	0	-10	-10	3	0	0	0	0	0	19.1	
NAP 401 15F	Generator Room	S10	Generator (operations during power failure / maintenance)	2	85	100%	360.4	-59.1	0	0	0	3	0	0	0	3.0	0	31.9	
NAP 401 15F	Generator Room	S11	Exhaust Fans	1	85	100%	521.6	-62.3	0	0	0	3	0	0	0	0	0	25.7	
NAP 401 15F	Compressor Room	S12	Compressors	1	85	100%	361.1	-59.2	0	-5	-5	3	0	0	0	0	0	23.8	
NAP 401 15F	Compressor Room	S13	Exhaust Fans	1	85	100%	356.4	-59.0	0	0	0	3	0	0	0	0	0	29.0	
NAP 401 15F	F.S. Pump Room	S14	Water Pumps	1	85	100%	356.4	-59.0	0	-5	-5	3	6	0	0	0	0	30.0	
NAP 401 15F	F.S. Pump Room	S15	Exhaust Fans	1	85	100%	356.4	-59.0	0	0	0	3	0	0	0	0	0	29.0	
NAP 401 15F	Exhaust Fan Room	S16	General Exhaust Fans	5	85	100%	355.5	-59.0	0	0	0	3	0	0	0	7.0	0	36.0	
NAP 401 15F	PAU Room 1	S17	PAU	2	85	100%	356.7	-59.0	0	0	0	3	0	0	0	3.0	0	32.0	
NAP 401 15F	PAU Room 1	S18	Exhaust Fans	1	85	100%	356.7	-59.0	0	0	0	3	0	0	0	0	0	29.0	
NAP 401 15F	Chiller Plant Room	S19	Chiller Plant	2	85	100%	355.4	-59.0	0	0	0	3	0	0	0	3.0	0	32.0	
NAP 401 15F	Chiller Plant Room	S20	Exhaust Fans	1	85	100%	351.2	-58.9	0	0	0	3	0	0	0	0	0	29.1	
NAP 401 15F	Water Vehicle Filing and Automatic Vehicle Washing System Water Tank and Water Pump Room	S21	Water Pumps	2	85	100%	351.2	-58.9	0	-10	-10	3	6	0	0	3.0	0	28.1	
NAP 401 15F	Water Vehicle Filing and Automatic Vehicle Washing System Water Tank and Water Pump Room	S22	Exhaust Fans	1	85	100%	351.2	-58.9	0	-10	-10	3	0	0	0	0	0	19.1	
NAP 401 15F	Battery Charging Room	S23	Exhaust Fans	1	85	100%	404.7	-60.1	0	0	0	3	0	0	0	0	0	27.9	
NAP 401 15F	Exhaust Fan Room	S24	General Exhaust Fans	4	85	100%	350.8	-58.9	0	0	0	3	0	0	0	6.0	0	35.1	
NAP 401 15F	Exhaust Fan Room	S25	Welding Exhaust Fans	2	85	100%	350.8	-58.9	0	0	0	3	0	0	0	3.0	0	32.1	
NAP 401 15F	Exhaust Fan Room	S26	Exhaust Fans	3	85	100%	350.8	-58.9	0	0	0	3	0	0	0	4.8	0	33.9	
NAP 401 15F	TBE Room	S27	Exhaust Fans	1	85	100%	355.1	-59.0	0	0	0	3	0	0	0	0	0	29.0	
NAP 401 15F	PAU Room 2	S28	PAU	5	85	100%	350.5	-58.9	0	0	0	3	0	0	0	7.0	0	36.1	
NAP 401 15F	AHU Room	S29	AHU	1	85	100%	406.8	-60.2	0	-10	-10	3	0	0	0	0	0	17.8	
NAP 401 15F	Lift Machine Room	S30	Lift Machine	3	85	100%	390.5	-59.8	0	-5	-5	3	0	0	0	4.8	0	28.0	
NAP 401 15F	Lift Machine Room	S31	Exhaust Fans	1	85	100%	386.4	-59.7	0	0	0	3	0	0	0	0	0	28.3	
NAP 401 15F	Portable Flushing and Makeup Water Pump Room	S32	Water Pumps	3	85	100%	355.1	-59.0	0	-5	-5	3	6	0	0	4.8	0	34.8	
NAP 401 15F	Portable Flushing and Makeup Water Pump Room	S33	Exhaust Fans	1	85	100%	355.1	-59.0	0	0	0	3	0	0	0	0	0	29.0	
NAP 401 15F	Cooling Tower Plant Room	S34	Cooling towers	2	100	100%	355.1	-59.0	0	0	0	3	0	0	0	3.0	0	47.0	
NAP 401 15F	L1 HKPF	S36	Hand-held Pneumatic Tools	1	100	7%	379.8	-59.6	0	0	0	3	0	0	0	0	-11.8	31.6	
NAP 401 15F	L1 HKPF	S37	Hammering Activities	3	113	7%	404.8	-60.1	0	0	0	3	0	3	0	4.8	-11.8	51.9	
NAP 401 15F	FEHD	S38	Automatic Vehicle Washing Machine	1	88	27%	388.4	-59.8	0	0	0	3	0	0	0	0	-5.7	25.5	
NAP 401 15F	EMSD Dept	S39	Motorcycle Speedometer Calibrator	1	112	3%	360.2	-59.1	0	0	0	3	0	0	0	0	-14.8	41.1	
NAP 401 15F	EMSD Dept	S40	Tyre Changer	1	98	27%	364.7	-59.2	0	0	0	3	0	0	0	0	-5.7	36.1	
NAP 401 15F	EMSD Dept	S41	Hammering Activities	4	113	7%	409.2	-60.2	0	0	0	3	0	3	0	6.0	-11.8	53.1	
NAP 401 15F	EMSD Dept	S42	Hand-held Pneumatic Tools	4	100	13%	359.3	-59.1	0	0	0	3	0	0	0	6.0	-8.8	41.2	
NAP 401 15F	EMSD Dept	S43	Roller Brake Tester	1	99	5%	417.2	-60.4	0	0	0	3	0	0	0	0	-13.0	28.6	
NAP 401 15F	EMSD Dept	S44	Motorcycle Brake Tester	1	99	20%	359.3	-59.1	0	0	0	3	0	0	0	0	-7.0	35.9	
NAP 401 15F	L1 HKPF	S45	Roller Brake Tester	1	99	20%	365.7	-59.3	0	0	0	3	0	0	0	0	-7.0	35.7	
NAP 401 30F	Chiller Pump Room	S1	Water Pumps	2	85	100%	399.6	-60.0	0	-5	-5	3	6	0	0	3.0	0	32.0	57
NAP 401 30F	Chiller Pump Room	S2	Exhaust Fans	1	85	100%	389.7	-59.8	0	0	0	3	0	0	0	0	0	28.2	
NAP 401 30F	Exhaust Fan Room	S3	General Exhaust Fans	5	85	100%	369.3	-59.3	0	0	0	3	0	0	0	7.0	0	35.7	
NAP 401 30F	Compressor Room	S4	Compressors	1	85	100%	364.3	-59.2	0	-5	-5	3	0	0	0	0	0	23.8	
NAP 401 30F	Compressor Room	S5	Exhaust Fans	1	85	100%	360.4	-59.1	0	0	0	3	0	0	0	0	0	28.9	
NAP 401 30F	Transformer Room	S6	Transformers	2	85	100%	360.4	-59.1	0	0	0	3	6	0	0	3.0	0	37.9	
NAP 401 30F	Transformer Room	S7	Exhaust Fans	1	85	100%	360.4	-59.1	0	0	0	3	0	0	0	0	0	28.9	
NAP 401 30F	Transferred Tank Pump Room	S8	Transferred Water Pumps	2	85	100%	360.4	-59.1	0	-10	-10	3	6	0	0	3.0	0	27.9	
NAP 401 30F	Transferred Tank Pump Room	S9	Exhaust Fans	1	85	100%	360.4	-59.1	0	-10	-10	3	0	0	0	0	0	18.9	
NAP 401 30F	Generator Room	S10	Generator (operations during power failure / maintenance)	2	85	100%	367.8	-59.3	0	0	0	3	0	0	0	3.0	0	31.7	
NAP 401 30F	Generator Room	S11	Exhaust Fans	1	85	100%	527.2	-62.4	0	0	0	3	0	0	0	0	0	25.6	
NAP 401 30F	Compressor Room	S12	Compressors	1	85	100%	367.7	-59.3	0	-5	-5	3	0	0	0	0	0	23.7	
NAP 401 30F	Compressor Room	S13	Exhaust Fans	1	85	100%	363.2	-59.2	0	0	0	3	0	0	0	0	0	28.8	
NAP 401 30F	F.S. Pump Room	S14	Water Pumps	1	85	100%	363.2	-59.2	0	-5	-5	3	6	0	0	0	0	29.8	
NAP 401 30F	F.S. Pump Room	S15	Exhaust Fans	1	85	100%	363.2	-59.2	0	0	0	3	0	0	0	0	0	28.8	
NAP 401 30F	Exhaust Fan Room	S16	General Exhaust Fans	5	85	100%	358.6	-59.1	0	0	0	3	0	0	0	7.0	0	35.9	
NAP 401 30F	PAU Room 1	S17	PAU	2	85	100%	363.0	-59.2	0	0	0	3	0	0	0	3.0	0	31.8	
NAP 401 30F	PAU Room 1	S18	Exhaust Fans	1	85	100%	363.0	-59.2	0	0	0	3	0	0	0	0	0	28.8	
NAP 401 30F	Chiller Plant Room	S19	Chiller Plant	2	85	100%	361.2	-59.2	0	0	0	3	0	0	0	3.0	0	31.8	
NAP 401 30F	Chiller Plant Room	S20	Exhaust Fans	1	85	100%	357.0	-59.1	0	0	0	3	0	0	0	0	0	28.9	
NAP 401 30F	Water Vehicle Filing and Automatic Vehicle Washing System Water Tank and Water Pump Room	S21	Water Pumps	2	85	100%	357.0	-59.1	0	-10	-10	3	6	0	0	3.0	0	27.9	
NAP 401 30F	Water Vehicle Filing and Automatic Vehicle Washing System Water Tank and Water Pump Room	S22	Exhaust Fans	1	85	100%	357.0	-59.1	0	-10	-10	3	0	0	0	0	0	18.9	
NAP 401 30F	Battery Charging Room	S23	Exhaust Fans	1	85	100%	409.1	-60.2	0	0	0	3	0	0	0	0	0	27.8	
NAP 401 30F	Exhaust Fan Room	S24	General Exhaust Fans	4	85	100%	355.9	-59.0	0	0	0	3	0	0	0	6.0	0	35.0	
NAP 401 30F	Exhaust Fan Room	S25	Welding Exhaust Fans	2	85	100%	355.9	-59.0	0	0	0	3	0	0	0	3.0	0	32.0	
NAP 401 30F	Exhaust Fan Room	S26	Exhaust Fans	3	85	100%	355.9	-59.0	0	0	0	3	0	0	0	4.8	0	33.8	
NAP 401 30F	TBE Room	S27	Exhaust Fans	1	85	100%	359.2	-59.1	0	0	0	3	0	0	0	0	0	28.9	
NAP 401 30F	PAU Room 2	S28	PAU	5	85	100%	354.7	-59.0	0	0	0	3	0	0	0	7.0	0	36.0	
NAP 401 30F	AHU Room	S29	AHU	1	85	100%	410.4	-60.3	0	-10	-10	3	0	0	0	0	0	17.7	
NAP 401 30F	Lift Machine Room	S30	Lift Machine	3	85	100%	393.7	-59.9	0	-5	-5	3	0	0	0	4.8	0	27.9	
NAP 401 30F	Lift Machine Room	S31	Exhaust Fans	1	85	100%	389.6	-59.8	0	0	0	3	0	0	0	0	0	28.2	
NAP 401 30F	Portable Flushing and Makeup Water Pump Room	S32	Water Pumps	3	85	100%	358.6	-59.1	0	-5	-5	3	6	0	0	4.8	0	34.7	
NAP 401 30F	Portable Flushing and Makeup Water Pump Room	S33	Exhaust Fans	1	85	100%	358.6	-59.1	0	0	0	3	0	0	0	0	0	28.9	
NAP 401 30F	Cooling Tower Plant Room	S34	Cooling towers	2	100	100%	358.6	-59.1	0	0	0	3	0	0	0	3.0	0	46.9	
NAP 401 30F	L1 HKPF	S36	Hand-held Pneumatic Tools	1	100	7%	387.8	-59.8	0	0	0	3	0	0	0	0	-11.8	31.4	
NAP 401 30F	L1 HKPF	S37	Hammering Activities	3	113	7%	412.3	-60.3	0	0	0	3	0	3	0	4.8	-11.8	51.7	
NAP 401 30F	FEHD	S38	Automatic Vehicle Washing Machine	1	88	27%	393.7	-59.9	0	0	0	3	0	0	0	0	-5.7	25.4	
NAP 401 30F	EMSD Dept	S39	Motorcycle Speedometer Calibrator	1	112	3%	365.1	-59.2	0	0	0	3	0	0	0	0	-14.8	41.0	
NAP 401 30F	EMSD Dept	S40	Tyre Changer	1	98	27%	369.6	-59.4	0	0	0	3	0	0	0	0	-5.7	35.9	
NAP 401 30F	EMSD Dept	S41	Hammering Activities	4	113	7%	413.6	-60.3	0	0	0	3	0	3	0	6.0	-11.8	53.0	
NAP 401 30F	EMSD Dept	S42	Hand-held Pneumatic Tools	4	100	13%	364.3	-59.2	0	0	0	3	0	0	0	6.0	-8.8	41.1	
NAP 401 30F	EMSD Dept	S43	Roller Brake Tester	1	99	5%	421.4	-60.5	0	0	0	3	0	0	0	0	-13.0	28.5	
NAP 401 30F	EMSD Dept	S44	Motorcycle Brake Tester	1	99	20%	364.3	-59.2	0	0	0	3	0	0	0	0	-7.0	35.8	
NAP 401 30F	L1 HKPF	S45	Roller Brake Tester	1	99	20%	370.6	-59.4	0	0	0	3	0	0	0	0	-7.0	35.6	

(Night-time)

NAP ID	Room	Source ID	Identified Noise Sources	Quantity / Max concurrent works, nos.	Maximum Allowable SWL, dB(A)	Percentage on-time over 30 mins	Slant Distance, m	Distance Attenuation, dB(A)	Barrier Correction due to Surrounding Buildings, dB(A)	Barrier Correction due to Interior Structure, dB(A)	Overall Barrier Correction, dB(A)	Façade Correction, dB(A)	Correction for Tonality, dB(A)	Correction for Impulsiveness, dB(A)	Correction for Intermittency, dB(A)	Correction for Quantity, dB(A)	Percentage On-time Correction, dB(A)	Predicted Noise Level, dB(A)	Resultant SPL, Leq(30mins), dB(A)
NAP 401 1F	Chiller Pump Room	S1	Water Pumps	1	85	100%	389.3	-59.8	0	-5	-5	3	6	0	0	0	0	29.2	50
NAP 401 1F	Chiller Pump Room	S2	Exhaust Fans	1	85	100%	379.1	-59.6	0	0	0	3	0	0	0	0	0	28.4	
NAP 401 1F	Exhaust Fan Room	S3	General Exhaust Fans	1	85	100%	358.1	-59.1	0	0	0	3	0	0	0	0	0	28.9	
NAP 401 1F	Compressor Room	S4	Compressors	0	85	0%	352.9	-59.0	0	-5	-5	3	0	0	0	0	0	0.0	
NAP 401 1F	Compressor Room	S5	Exhaust Fans	0	85	0%	348.9	-58.9	0	0	0	3	0	0	0	0	0	0.0	
NAP 401 1F	Transformer Room	S6	Transformers	2	85	100%	348.9	-58.9	0	0	0	3	6	0	0	3.0	0	38.1	
NAP 401 1F	Transformer Room	S7	Exhaust Fans	1	85	100%	348.9	-58.9	0	0	0	3	0	0	0	0	0	29.1	
NAP 401 1F	Transferred Tank Pump Room	S8	Transferred Water Pumps	2	85	100%	348.9	-58.9	0	-10	-10	3	6	0	0	3.0	0	28.1	
NAP 401 1F	Transferred Tank Pump Room	S9	Exhaust Fans	1	85	100%	348.9	-58.9	0	-10	-10	3	0	0	0	0	0	19.1	
NAP 401 1F	Generator Room	S10	Generator (operations during power failure / maintenance)	2	85	100%	358.5	-59.1	0	0	0	3	0	0	0	3.0	0	31.9	
NAP 401 1F	Generator Room	S11	Exhaust Fans	1	85	100%	519.7	-62.3	0	0	0	3	0	0	0	0	0	25.7	
NAP 401 1F	Compressor Room	S12	Compressors	0	85	0%	359.9	-59.1	0	-5	-5	3	0	0	0	0	0	0.0	
NAP 401 1F	Compressor Room	S13	Exhaust Fans	0	85	0%	355.2	-59.0	0	0	0	3	0	0	0	0	0	0.0	
NAP 401 1F	F.S. Pump Room	S14	Water Pumps	1	85	100%	355.2	-59.0	0	-5	-5	3	6	0	0	0	0	30.0	
NAP 401 1F	F.S. Pump Room	S15	Exhaust Fans	1	85	100%	355.2	-59.0	0	0	0	3	0	0	0	0	0	29.0	
NAP 401 1F	Exhaust Fan Room	S16	General Exhaust Fans	2	85	100%	354.8	-59.0	0	0	0	3	0	0	0	3.0	0	32.0	
NAP 401 1F	PAU Room 1	S17	PAU	1	85	100%	356.0	-59.0	0	0	0	3	0	0	0	0	0	29.0	
NAP 401 1F	PAU Room 1	S18	Exhaust Fans	0	85	0%	356.0	-59.0	0	0	0	3	0	0	0	0	0	0.0	
NAP 401 1F	Chiller Plant Room	S19	Chiller Plant	1	85	100%	355.1	-59.0	0	0	0	3	0	0	0	0	0	29.0	
NAP 401 1F	Chiller Plant Room	S20	Exhaust Fans	1	85	100%	350.9	-58.9	0	0	0	3	0	0	0	0	0	29.1	
NAP 401 1F	Water Vehicle Filing and Automatic Vehicle Washing System Water Tank and Water Pump Room	S21	Water Pumps	2	85	100%	350.9	-58.9	0	-10	-10	3	6	0	0	3.0	0	28.1	
NAP 401 1F	Water Vehicle Filing and Automatic Vehicle Washing System Water Tank and Water Pump Room	S22	Exhaust Fans	1	85	100%	350.9	-58.9	0	-10	-10	3	0	0	0	0	0	19.1	
NAP 401 1F	Battery Charging Room	S23	Exhaust Fans	0	85	0%	405.1	-60.2	0	0	0	3	0	0	0	0	0	0.0	
NAP 401 1F	Exhaust Fan Room	S24	General Exhaust Fans	0	85	0%	351.2	-58.9	0	0	0	3	0	0	0	0	0	0.0	
NAP 401 1F	Exhaust Fan Room	S25	Welding Exhaust Fans	0	85	0%	351.2	-58.9	0	0	0	3	0	0	0	0	0	0.0	
NAP 401 1F	Exhaust Fan Room	S26	Exhaust Fans	0	85	0%	351.2	-58.9	0	0	0	3	0	0	0	0	0	0.0	
NAP 401 1F	TBE Room	S27	Exhaust Fans	0	85	0%	356.4	-59.0	0	0	0	3	0	0	0	0	0	0.0	
NAP 401 1F	PAU Room 2	S28	PAU	0	85	0%	351.8	-58.9	0	0	0	3	0	0	0	0	0	0.0	
NAP 401 1F	AHU Room	S29	AHU	0	85	0%	407.9	-60.2	0	-10	-10	3	0	0	0	0	0	0.0	
NAP 401 1F	Lift Machine Room	S30	Lift Machine	1	85	100%	392.2	-59.9	0	-5	-5	3	0	0	0	0	0	23.1	
NAP 401 1F	Lift Machine Room	S31	Exhaust Fans	1	85	100%	388.1	-59.8	0	0	0	3	0	0	0	0	0	28.2	
NAP 401 1F	Portable Flushing and Makeup Water Pump Room	S32	Water Pumps	3	85	100%	357.0	-59.1	0	-5	-5	3	6	0	0	4.8	0	34.7	
NAP 401 1F	Portable Flushing and Makeup Water Pump Room	S33	Exhaust Fans	1	85	100%	357.0	-59.1	0	0	0	3	0	0	0	0	0	28.9	
NAP 401 1F	Cooling Tower Plant Room	S34	Cooling towers	1	100	100%	357.0	-59.1	0	0	0	3	0	0	0	0	0	43.9	
NAP 401 1F	L1 HKPF	S36	Hand-held Pneumatic Tools	1	100	2%	377.1	-59.5	0	0	0	3	0	0	0	0	-17.8	25.7	
NAP 401 1F	L1 HKPF	S37	Hammering Activities	1	113	7%	402.3	-60.1	0	0	0	3	0	3	0	0	-11.8	47.1	
NAP 401 1F	FEHD	S38	Automatic Vehicle Washing Machine	1	88	27%	388.2	-59.8	0	0	0	3	0	0	0	0	-6	25.5	
NAP 401 1F	EMSD Dept	S39	Motorcycle Speedometer Calibrator	0	112	0%	360.6	-59.1	0	0	0	3	0	0	0	0	0	0.0	
NAP 401 1F	EMSD Dept	S40	Tyre Changer	0	98	0%	365.2	-59.2	0	0	0	3	0	0	0	0	0	0.0	
NAP 401 1F	EMSD Dept	S41	Hammering Activities	0	113	0%	409.6	-60.2	0	0	0	3	0	3	0	0	0	0.0	
NAP 401 1F	EMSD Dept	S42	Hand-held Pneumatic Tools	0	100	0%	359.8	-59.1	0	0	0	3	0	0	0	0	0	0.0	
NAP 401 1F	EMSD Dept	S43	Roller Brake Tester	0	99	0%	417.5	-60.4	0	0	0	3	0	0	0	0	0	0.0	
NAP 401 1F	EMSD Dept	S44	Motorcycle Brake Tester	0	99	0%	359.8	-59.1	0	0	0	3	0	0	0	0	0	0.0	
NAP 401 1F	L1 HKPF	S45	Roller Brake Tester	1	99	7%	366.1	-59.3	0	0	0	3	0	0	0	0	-11.8	30.9	
NAP 401 15F	Chiller Pump Room	S1	Water Pumps	1	85	100%	391.9	-59.9	0	-5	-5	3	6	0	0	0	0	29.1	50
NAP 401 15F	Chiller Pump Room	S2	Exhaust Fans	1	85	100%	381.8	-59.6	0	0	0	3	0	0	0	0	0	28.4	
NAP 401 15F	Exhaust Fan Room	S3	General Exhaust Fans	1	85	100%	360.9	-59.1	0	0	0	3	0	0	0	0	0	28.9	
NAP 401 15F	Compressor Room	S4	Compressors	0	85	0%	355.8	-59.0	0	-5	-5	3	0	0	0	0	0	0.0	
NAP 401 15F	Compressor Room	S5	Exhaust Fans	0	85	0%	351.8	-58.9	0	0	0	3	0	0	0	0	0	0.0	
NAP 401 15F	Transformer Room	S6	Transformers	2	85	100%	351.8	-58.9	0	0	0	3	6	0	0	3.0	0	38.1	
NAP 401 15F	Transformer Room	S7	Exhaust Fans	1	85	100%	351.8	-58.9	0	0	0	3	0	0	0	0	0	29.1	
NAP 401 15F	Transferred Tank Pump Room	S8	Transferred Water Pumps	2	85	100%	351.8	-58.9	0	-10	-10	3	6	0	0	3.0	0	28.1	
NAP 401 15F	Transferred Tank Pump Room	S9	Exhaust Fans	1	85	100%	351.8	-58.9	0	-10	-10	3	0	0	0	0	0	19.1	
NAP 401 15F	Generator Room	S10	Generator (operations during power failure / maintenance)	2	85	100%	360.4	-59.1	0	0	0	3	0	0	0	3.0	0	31.9	
NAP 401 15F	Generator Room	S11	Exhaust Fans	1	85	100%	521.6	-62.3	0	0	0	3	0	0	0	0	0	25.7	
NAP 401 15F	Compressor Room	S12	Compressors	0	85	0%	361.1	-59.2	0	-5	-5	3	0	0	0	0	0	0.0	
NAP 401 15F	Compressor Room	S13	Exhaust Fans	0	85	0%	356.4	-59.0	0	0	0	3	0	0	0	0	0	0.0	
NAP 401 15F	F.S. Pump Room	S14	Water Pumps	1	85	100%	356.4	-59.0	0	-5	-5	3	6	0	0	0	0	30.0	
NAP 401 15F	F.S. Pump Room	S15	Exhaust Fans	1	85	100%	356.4	-59.0	0	0	0	3	0	0	0	0	0	29.0	
NAP 401 15F	Exhaust Fan Room	S16	General Exhaust Fans	2	85	100%	355.5	-59.0	0	0	0	3	0	0	0	3.0	0	32.0	
NAP 401 15F	PAU Room 1	S17	PAU	1	85	100%	356.7	-59.0	0	0	0	3	0	0	0	0	0	29.0	
NAP 401 15F	PAU Room 1	S18	Exhaust Fans	0	85	0%	356.7	-59.0	0	0	0	3	0	0	0	0	0	0.0	
NAP 401 15F	Chiller Plant Room	S19	Chiller Plant	1	85	100%	355.4	-59.0	0	0	0	3	0	0	0	0	0	29.0	
NAP 401 15F	Chiller Plant Room	S20	Exhaust Fans	1	85	100%	351.2	-58.9	0	0	0	3	0	0	0	0	0	29.1	
NAP 401 15F	Water Vehicle Filing and Automatic Vehicle Washing System Water Tank and Water Pump Room	S21	Water Pumps	2	85	100%	351.2	-58.9	0	-10	-10	3	6	0	0	3.0	0	28.1	
NAP 401 15F	Water Vehicle Filing and Automatic Vehicle Washing System Water Tank and Water Pump Room	S22	Exhaust Fans	1	85	100%	351.2	-58.9	0	-10	-10	3	0	0	0	0	0	19.1	
NAP 401 15F	Battery Charging Room	S23	Exhaust Fans	0	85	0%	404.7	-60.1	0	0	0	3	0	0	0	0	0	0.0	
NAP 401 15F	Exhaust Fan Room	S24	General Exhaust Fans	0	85	0%	350.8	-58.9	0	0	0	3	0	0	0	0	0	0.0	
NAP 401 15F	Exhaust Fan Room	S25	Welding Exhaust Fans	0	85	0%	350.8	-58.9	0	0	0	3	0	0	0	0	0	0.0	
NAP 401 15F	Exhaust Fan Room	S26	Exhaust Fans	0	85	0%	350.8	-58.9	0	0	0	3	0	0	0	0	0	0.0	
NAP 401 15F	TBE Room	S27	Exhaust Fans	0	85	0%	355.1	-59.0	0	0	0	3	0	0	0	0	0	0.0	
NAP 401 15F	PAU Room 2	S28	PAU	0	85	0%	350.5	-58.9	0	0	0	3	0	0	0	0	0	0.0	
NAP 401 15F	AHU Room	S29	AHU	0	85	0%	406.8	-60.2	0	-10	-10	3	0	0	0	0	0	0.0	
NAP 401 15F	Lift Machine Room	S30	Lift Machine	1	85	100%	390.5	-59.8	0	-5	-5	3	0	0	0	0	0	23.2	
NAP 401 15F	Lift Machine Room	S31	Exhaust Fans	1	85	100%	386.4	-59.7	0	0	0	3	0	0	0	0	0	28.3	
NAP 401 15F	Portable Flushing and Makeup Water Pump Room	S32	Water Pumps	3	85	100%	355.1	-59.0	0	-5	-5	3	6	0	0	4.8	0	34.8	
NAP 401 15F	Portable Flushing and Makeup Water Pump Room	S33	Exhaust Fans	1	85	100%	355.1	-59.0	0	0	0	3	0	0	0	0	0	29.0	
NAP 401 15F	Cooling Tower Plant Room	S34	Cooling towers	1	100	100%	355.1	-59.0	0	0	0	3	0	0	0	0	0	44.0	
NAP 401 15F	L1 HKPF	S36	Hand-held Pneumatic Tools	1	100	2%	379.8	-59.6	0	0	0	3	0	0	0	0	-17.8	25.6	
NAP 401 15F	L1 HKPF	S37	Hammering Activities	1	113	7%	404.8	-60.1	0	0	0	3	0	3	0	0	-11.8	47.1	
NAP 401 15F	FEHD	S38	Automatic Vehicle Washing Machine	1	88	27%	388.4	-59.8	0	0	0	3	0	0	0	0	-6	25.5	
NAP 401 15F	EMSD Dept	S39	Motorcycle Speedometer Calibrator	0	112	0%	360.2	-59.1	0	0	0	3	0	0	0	0	0	0.0	
NAP 401 15F	EMSD Dept	S40	Tyre Changer	0	98	0%	364.7	-59.2	0	0	0	3	0	0	0	0	0	0.0	
NAP 401 15F	EMSD Dept	S41	Hammering Activities	0	113	0%	409.2	-60.2	0	0	0	3	0	3	0	0	0	0.0	
NAP 401 15F	EMSD Dept	S42	Hand-held Pneumatic Tools	0	100	0%	359.3	-59.1	0	0	0	3	0	0	0	0	0	0.0	
NAP 401 15F	EMSD Dept	S43	Roller Brake Tester	0	99	0%	417.2	-60.4	0	0	0	3	0	0	0	0	0	0.0	
NAP 401 15F	EMSD Dept	S44	Motorcycle Brake Tester	0	99	0%	359.3	-59.1	0	0	0	3	0	0	0	0	0	0.0	
NAP 401 15F	L1 HKPF	S45	Roller Brake Tester	1	99	7%	365.7	-59.3	0	0	0	3	0	0	0	0	-11.8	30.9	
NAP 401 30F	Chiller Pump Room	S1	Water Pumps	1	85	100%	399.6	-60.0	0	-5	-5	3	6	0	0	0	0	29.0	50
NAP 401 30F	Chiller Pump Room	S2	Exhaust Fans	1	85	100%	389.7	-59.8	0	0	0	3	0	0	0	0	0	28.2	
NAP 401 30F	Exhaust Fan Room	S3	General Exhaust Fans	1	85	100%	369.3	-59.3	0	0	0	3	0	0	0	0	0	28.7	
NAP 401 30F	Compressor Room	S4	Compressors	0	85	0%	364.3	-59.2	0	-5	-5	3	0	0	0	0	0	0.0	
NAP 401 30F	Compressor Room	S5	Exhaust Fans	0	85	0%	360.4	-59.1	0	0	0	3	0	0	0	0	0	0.0	
NAP 401 30F	Transformer Room	S6	Transformers	2	85	100%	360.4	-59.1	0	0	0	3	6	0	0	3.0	0	37.9	
NAP 401 30F	Transformer Room	S7	Exhaust Fans	1	85	100%	360.4	-59.1	0	0	0	3	0	0	0	0	0	28.9	
NAP 401 30F	Transferred Tank Pump Room	S8	Transferred Water Pumps	2	85	100%	360.4	-59.1	0	-10	-10	3	6	0	0	3.0	0	27.9	
NAP 401 30F	Transferred Tank Pump Room	S9	Exhaust Fans	1	85	100%	360.4	-59.1	0	-10	-10	3	0	0	0	0	0	18.9	
NAP 401 30F	Generator Room	S10	Generator (operations during power failure / maintenance)	2	85	100%	367.8	-59.3	0	0	0	3	0	0	0	3.0	0	31.7	
NAP 401 30F	Generator Room	S11	Exhaust Fans	1	85	100%	527.2	-62.4	0	0	0	3	0	0	0	0	0	25.6	
NAP 401 30F	Compressor Room	S12	Compressors	0	85	0%	367.7	-59.3	0	-5	-5	3	0	0	0	0	0	0.0	
NAP 401 30F	Compressor Room	S13	Exhaust Fans	0	85	0%	363.2	-59.2	0	0	0	3	0	0	0	0	0	0.0	
NAP 401 30F	F.S. Pump Room	S14	Water Pumps	1	85	100%	363.2	-59.2	0	-5	-5	3	6	0	0	0	0	29.8	
NAP 401 30F	F.S. Pump Room	S15	Exhaust Fans	1	85	100%	363.2	-59.2	0	0	0	3	0	0	0	0	0	28.8	
NAP 401 30F	Exhaust Fan Room	S16	General Exhaust Fans	2	85	100%	358.6	-59.1	0	0	0	3	0	0	0	3.0	0	31.9	
NAP 401 30F	PAU Room 1	S17	PAU	1	85	100%	363.0	-59.2	0	0	0	3	0	0	0	0	0	28.8	
NAP 401 30F	PAU Room 1	S18	Exhaust Fans	0	85	0%	363.0	-59.2	0	0	0	3	0	0	0	0	0	0.0	
NAP 401 30F	Chiller Plant Room	S19	Chiller Plant	1	85	100%	361.2	-59.2	0	0	0	3	0	0	0	0	0	28.8	
NAP 401 30F	Chiller Plant Room	S20	Exhaust Fans	1	85	100%	357.0	-59.1	0	0	0	3	0	0	0	0	0	28.9	
NAP 401 30F	Water Vehicle Filing and Automatic Vehicle Washing System Water Tank and Water Pump Room	S21	Water Pumps	2	85	100%	357.0	-59.1	0	-10	-10	3	6	0	0	3.0	0	27.9	
NAP 401 30F	Water Vehicle Filing and Automatic Vehicle Washing System Water Tank and Water Pump Room	S22	Exhaust Fans	1	85	100%	357.0	-59.1	0	-10	-10	3	0	0	0	0	0	18.9	
NAP 401 30F	Battery Charging Room	S23	Exhaust Fans	0	85	0%	409.1	-60.2	0	0	0	3	0	0	0	0	0	0.0	
NAP 401 30F	Exhaust Fan Room	S24	General Exhaust Fans	0	85	0%	355.9	-59.0	0	0	0	3	0	0	0	0	0	0.0	
NAP 401 30F	Exhaust Fan Room	S25	Welding Exhaust Fans	0	85	0%	355.9	-59.0	0	0	0	3	0	0	0	0	0	0.0	
NAP 401 30F	Exhaust Fan Room	S26	Exhaust Fans	0	85	0%	355.9	-59.0	0	0	0	3	0	0	0	0	0	0.0	
NAP 401 30F	TBE Room	S27	Exhaust Fans	0	85	0%	359.2	-59.1	0	0	0	3	0	0	0	0	0	0.0	
NAP 401 30F	PAU Room 2	S28	PAU	0	85	0%	354.7	-59.0	0	0	0	3	0	0	0	0	0	0.0	
NAP 401 30F	AHU Room	S29	AHU	0	85	0%	410.4	-60.3	0	-10	-10	3	0	0	0	0	0	0.0	
NAP 401 30F	Lift Machine Room	S30	Lift Machine	1	85	100%	393.7	-59.9	0	-5	-5	3	0	0	0	0	0	23.1	
NAP 401 30F	Lift Machine Room	S31	Exhaust Fans	1	85	100%	389.6	-59.8	0	0	0	3	0	0	0	0	0	28.2	
NAP 401 30F	Portable Flushing and Makeup Water Pump Room	S32	Water Pumps	3	85	100%	358.6	-59.1	0	-5	-5	3	6	0	0	4.8	0	34.7	
NAP 401 30F	Portable Flushing and Makeup Water Pump Room	S33	Exhaust Fans	1	85	100%	358.6	-59.1	0	0	0	3	0	0	0	0	0	28.9	
NAP 401 30F	Cooling Tower Plant Room	S34	Cooling towers	1	100	100%	358.6	-59.1	0	0	0	3	0	0	0	0	0	43.9	
NAP 401 30F	L1 HKPF	S36	Hand-held Pneumatic Tools	1	100	2%	387.8	-59.8	0	0	0	3	0	0	0	0	-17.8	25.4	
NAP 401 30F	L1 HKPF	S37	Hammering Activities	1	113	7%	412.3	-60.3	0	0	0	3	0	3	0	0	-11.8	46.9	
NAP 401 30F	FEHD	S38	Automatic Vehicle Washing Machine	1	88	27%	393.7	-59.9	0	0	0	3	0	0	0	0	-6	25.4	
NAP 401 30F	EMSD Dept	S39	Motorcycle Speedometer Calibrator	0	112	0%	365.1	-59.2	0	0	0	3	0	0	0	0	0	0.0	
NAP 401 30F	EMSD Dept	S40	Tyre Changer	0	98	0%	369.6	-59.4	0	0	0	3	0	0	0	0	0	0.0	
NAP 401 30F	EMSD Dept	S41	Hammering Activities	0	113	0%	413.6	-60.3	0	0	0	3	0	3	0	0	0	0.0	
NAP 401 30F	EMSD Dept	S42	Hand-held Pneumatic Tools	0	100	0%	364.3	-59.2	0	0	0	3	0	0	0	0	0	0.0	
NAP 401 30F	EMSD Dept	S43	Roller Brake Tester	0	99	0%	421.4	-60.5	0	0	0	3	0	0	0	0	0	0.0	
NAP 401 30F	EMSD Dept	S44	Motorcycle Brake Tester	0	99	0%	364.3	-59.2	0	0	0	3	0	0	0	0	0	0.0	
NAP 401 30F	L1 HKPF	S45	Roller Brake Tester	1	99	7%	370.6	-59.4	0	0	0	3	0	0	0	0	-11.8	30.8	

(Day / Evening Time)

NAP ID	Room	Source ID	Identified Noise Sources	Quantity / Max concurrent works, nos.	Maximum Allowable SWL, dB(A)	Percentage on-time over 30 mins	Slant Distance, m	Distance Attenuation, dB(A)	Barrier Correction due to Surrounding Buildings, dB(A)	Barrier Correction due to Interior Structure, dB(A)	Overall Barrier Correction, dB(A)	Façade Correction, dB(A)	Correction for Tonality, dB(A)	Correction for Impulsiveness, dB(A)	Correction for Intermittency, dB(A)	Correction for Quantity, dB(A)	Percentage On-time Correction, dB(A)	Predicted Noise Level, dB(A)	Resultant SPL, Leq(30mins), dB(A)
NAP 501 GF	Chiller Pump Room	S1	Water Pumps	2	85	100%	391.5	-59.9	0	-5	-5	3	6	0	0	3.0	0	32.1	57
NAP 501 GF	Chiller Pump Room	S2	Exhaust Fans	1	85	100%	381.4	-59.6	0	0	0	3	0	0	0	0	0	28.4	
NAP 501 GF	Exhaust Fan Room	S3	General Exhaust Fans	5	85	100%	359.7	-59.1	0	0	0	3	0	0	0	7.0	0	35.9	
NAP 501 GF	Compressor Room	S4	Compressors	1	85	100%	353.2	-59.0	0	-5	-5	3	0	0	0	0	0	24.0	
NAP 501 GF	Compressor Room	S5	Exhaust Fans	1	85	100%	349.0	-58.9	0	0	0	3	0	0	0	0	0	29.1	
NAP 501 GF	Transformer Room	S6	Transformers	2	85	100%	349.0	-58.9	0	0	0	3	6	0	0	3.0	0	38.1	
NAP 501 GF	Transformer Room	S7	Exhaust Fans	1	85	100%	349.0	-58.9	0	0	0	3	0	0	0	0	0	29.1	
NAP 501 GF	Transferred Tank Pump Room	S8	Transferred Water Pumps	2	85	100%	349.0	-58.9	0	-10	-10	3	6	0	0	3.0	0	28.1	
NAP 501 GF	Transferred Tank Pump Room	S9	Exhaust Fans	1	85	100%	349.0	-58.9	0	-10	-10	3	0	0	0	0	0	19.1	
NAP 501 GF	Generator Room	S10	Generator (operations during power failure / maintenance)	2	85	100%	357.6	-59.1	0	0	0	3	0	0	0	3.0	0	31.9	
NAP 501 GF	Generator Room	S11	Exhaust Fans	1	85	100%	520.6	-62.3	0	0	0	3	0	0	0	0	0	25.7	
NAP 501 GF	Compressor Room	S12	Compressors	1	85	100%	361.1	-59.2	0	-5	-5	3	0	0	0	0	0	23.8	
NAP 501 GF	Compressor Room	S13	Exhaust Fans	1	85	100%	356.7	-59.0	0	0	0	3	0	0	0	0	0	29.0	
NAP 501 GF	F.S. Pump Room	S14	Water Pumps	1	85	100%	356.7	-59.0	0	-5	-5	3	6	0	0	0	0	30.0	
NAP 501 GF	F.S. Pump Room	S15	Exhaust Fans	1	85	100%	356.7	-59.0	0	0	0	3	0	0	0	0	0	29.0	
NAP 501 GF	Exhaust Fan Room	S16	General Exhaust Fans	5	85	100%	356.1	-59.0	0	0	0	3	0	0	0	7.0	0	36.0	
NAP 501 GF	PAU Room 1	S17	PAU	2	85	100%	355.2	-59.0	0	0	0	3	0	0	0	3.0	0	32.0	
NAP 501 GF	PAU Room 1	S18	Exhaust Fans	1	85	100%	355.2	-59.0	0	0	0	3	0	0	0	0	0	29.0	
NAP 501 GF	Chiller Plant Room	S19	Chiller Plant	2	85	100%	354.5	-59.0	0	0	0	3	0	0	0	3.0	0	32.0	
NAP 501 GF	Chiller Plant Room	S20	Exhaust Fans	1	85	100%	350.1	-58.9	0	0	0	3	0	0	0	0	0	29.1	
NAP 501 GF	Water Vehicle Filing and Automatic Vehicle Washing System Water Tank and Water Pump Room	S21	Water Pumps	2	85	100%	350.1	-58.9	0	-10	-10	3	6	0	0	3.0	0	28.1	
NAP 501 GF	Water Vehicle Filing and Automatic Vehicle Washing System Water Tank and Water Pump Room	S22	Exhaust Fans	1	85	100%	350.1	-58.9	0	-10	-10	3	0	0	0	0	0	19.1	
NAP 501 GF	Battery Charging Room	S23	Exhaust Fans	1	85	100%	407.6	-60.2	0	0	0	3	0	0	0	0	0	27.8	
NAP 501 GF	Exhaust Fan Room	S24	General Exhaust Fans	4	85	100%	350.5	-58.9	0	0	0	3	0	0	0	6.0	0	35.1	
NAP 501 GF	Exhaust Fan Room	S25	Welding Exhaust Fans	2	85	100%	350.5	-58.9	0	0	0	3	0	0	0	3.0	0	32.1	
NAP 501 GF	Exhaust Fan Room	S26	Exhaust Fans	3	85	100%	350.5	-58.9	0	0	0	3	0	0	0	4.8	0	33.9	
NAP 501 GF	TBE Room	S27	Exhaust Fans	1	85	100%	357.9	-59.1	0	0	0	3	0	0	0	0	0	28.9	
NAP 501 GF	PAU Room 2	S28	PAU	5	85	100%	351.2	-58.9	0	0	0	3	0	0	0	7.0	0	36.1	
NAP 501 GF	AHU Room	S29	AHU	1	85	100%	407.0	-60.2	0	-10	-10	3	0	0	0	0	0	17.8	
NAP 501 GF	Lift Machine Room	S30	Lift Machine	3	85	100%	394.8	-59.9	0	-5	-5	3	0	0	0	4.8	0	27.9	
NAP 501 GF	Lift Machine Room	S31	Exhaust Fans	1	85	100%	390.7	-59.8	0	0	0	3	0	0	0	0	0	28.2	
NAP 501 GF	Portable Flushing and Makeup Water Pump Room	S32	Water Pumps	3	85	100%	358.6	-59.1	0	-5	-5	3	6	0	0	4.8	0	34.7	
NAP 501 GF	Portable Flushing and Makeup Water Pump Room	S33	Exhaust Fans	1	85	100%	358.6	-59.1	0	0	0	3	0	0	0	0	0	28.9	
NAP 501 GF	Cooling Tower Plant Room	S34	Cooling towers	2	100	100%	358.6	-59.1	0	0	0	3	0	0	0	3.0	0	46.9	
NAP 501 GF	L1 HKPF	S36	Hand-held Pneumatic Tools	1	100	7%	378.5	-59.6	0	0	0	3	0	0	0	0	-11.8	31.6	
NAP 501 GF	L1 HKPF	S37	Hammering Activities	3	113	7%	401.6	-60.1	0	0	0	3	0	3	0	4.8	-11.8	51.9	
NAP 501 GF	FEHD	S38	Automatic Vehicle Washing Machine	1	88	27%	388.8	-59.8	0	0	0	3	0	0	0	0	-5.7	25.5	
NAP 501 GF	EMSD Dept	S39	Motorcycle Speedometer Calibrator	1	112	3%	360.7	-59.1	0	0	0	3	0	0	0	0	-14.8	41.1	
NAP 501 GF	EMSD Dept	S40	Tyre Changer	1	98	27%	367.3	-59.3	0	0	0	3	0	0	0	0	-5.7	36.0	
NAP 501 GF	EMSD Dept	S41	Hammering Activities	4	113	7%	409.8	-60.3	0	0	0	3	0	3	0	6.0	-11.8	53.0	
NAP 501 GF	EMSD Dept	S42	Hand-held Pneumatic Tools	4	100	13%	361.1	-59.2	0	0	0	3	0	0	0	6.0	-8.8	41.1	
NAP 501 GF	EMSD Dept	S43	Roller Brake Tester	1	99	5%	418.9	-60.4	0	0	0	3	0	0	0	0	-13.0	28.6	
NAP 501 GF	EMSD Dept	S44	Motorcycle Brake Tester	1	99	20%	361.1	-59.2	0	0	0	3	0	0	0	0	-7.0	35.8	
NAP 501 GF	L1 HKPF	S45	Roller Brake Tester	1	99	20%	368.5	-59.3	0	0	0	3	0	0	0	0	-7.0	35.7	

(Day / Evening Time)

NAP ID	Room	Source ID	Identified Noise Sources	Quantity / Max concurrent works, nos.	Maximum Allowable SWL, dB(A)	Percentage on-time over 30 mins	Slant Distance, m	Distance Attenuation, dB(A)	Barrier Correction due to Surrounding Buildings, dB(A)	Barrier Correction due to Interior Structure, dB(A)	Overall Barrier Correction, dB(A)	Façade Correction, dB(A)	Correction for Tonality, dB(A)	Correction for Impulsiveness, dB(A)	Correction for Intermittency, dB(A)	Correction for Quantity, dB(A)	Percentage On-time Correction, dB(A)	Predicted Noise Level, dB(A)	Resultant SPL, Leq(30mins), dB(A)
NAP 601 1F	Chiller Pump Room	S1	Water Pumps	2	85	100%	429.3	-60.7	0	-5	-5	3	6	0	0	3.0	0	31.3	56
NAP 601 1F	Chiller Pump Room	S2	Exhaust Fans	1	85	100%	419.5	-60.5	0	0	0	3	0	0	0	0	0	27.5	
NAP 601 1F	Exhaust Fan Room	S3	General Exhaust Fans	5	85	100%	396.4	-60.0	0	0	0	3	0	0	0	7.0	0	35.0	
NAP 601 1F	Compressor Room	S4	Compressors	1	85	100%	387.0	-59.8	0	-5	-5	3	0	0	0	0	0	23.2	
NAP 601 1F	Compressor Room	S5	Exhaust Fans	1	85	100%	382.1	-59.6	0	0	0	3	0	0	0	0	0	28.4	
NAP 601 1F	Transformer Room	S6	Transformers	2	85	100%	382.1	-59.6	0	0	0	3	6	0	0	3.0	0	37.4	
NAP 601 1F	Transformer Room	S7	Exhaust Fans	1	85	100%	382.1	-59.6	0	0	0	3	0	0	0	0	0	28.4	
NAP 601 1F	Transferred Tank Pump Room	S8	Transferred Water Pumps	2	85	100%	382.1	-59.6	0	-10	-10	3	6	0	0	3.0	0	27.4	
NAP 601 1F	Transferred Tank Pump Room	S9	Exhaust Fans	1	85	100%	382.1	-59.6	0	-10	-10	3	0	0	0	0	0	18.4	
NAP 601 1F	Generator Room	S10	Generator (operations during power failure / maintenance)	2	85	100%	387.7	-59.8	0	0	0	3	0	0	0	3.0	0	31.2	
NAP 601 1F	Generator Room	S11	Exhaust Fans	1	85	100%	568.9	-63.1	0	0	0	3	0	0	0	0	0	24.9	
NAP 601 1F	Compressor Room	S12	Compressors	1	85	100%	396.2	-60.0	0	-5	-5	3	0	0	0	0	0	23.0	
NAP 601 1F	Compressor Room	S13	Exhaust Fans	1	85	100%	392.6	-59.9	0	0	0	3	0	0	0	0	0	28.1	
NAP 601 1F	F.S. Pump Room	S14	Water Pumps	1	85	100%	392.6	-59.9	0	-5	-5	3	6	0	0	0	0	29.1	
NAP 601 1F	F.S. Pump Room	S15	Exhaust Fans	1	85	100%	392.6	-59.9	0	0	0	3	0	0	0	0	0	28.1	
NAP 601 1F	Exhaust Fan Room	S16	General Exhaust Fans	5	85	100%	391.5	-59.9	0	0	0	3	0	0	0	7.0	0	35.1	
NAP 601 1F	PAU Room 1	S17	PAU	2	85	100%	385.3	-59.7	0	0	0	3	0	0	0	3.0	0	31.3	
NAP 601 1F	PAU Room 1	S18	Exhaust Fans	1	85	100%	385.3	-59.7	0	0	0	3	0	0	0	0	0	28.3	
NAP 601 1F	Chiller Plant Room	S19	Chiller Plant	2	85	100%	384.8	-59.7	0	0	0	3	0	0	0	3.0	0	31.3	
NAP 601 1F	Chiller Plant Room	S20	Exhaust Fans	1	85	100%	380.1	-59.6	0	0	0	3	0	0	0	0	0	28.4	
NAP 601 1F	Water Vehicle Filing and Automatic Vehicle Washing System Water Tank and Water Pump Room	S21	Water Pumps	2	85	100%	380.1	-59.6	0	-10	-10	3	6	0	0	3.0	0	27.4	
NAP 601 1F	Water Vehicle Filing and Automatic Vehicle Washing System Water Tank and Water Pump Room	S22	Exhaust Fans	1	85	100%	380.1	-59.6	0	-10	-10	3	0	0	0	0	0	18.4	
NAP 601 1F	Battery Charging Room	S23	Exhaust Fans	1	85	100%	445.3	-61.0	0	0	0	3	0	0	0	0	0	27.0	
NAP 601 1F	Exhaust Fan Room	S24	General Exhaust Fans	4	85	100%	380.5	-59.6	0	0	0	3	0	0	0	6.0	0	34.4	
NAP 601 1F	Exhaust Fan Room	S25	Welding Exhaust Fans	2	85	100%	380.5	-59.6	0	0	0	3	0	0	0	3.0	0	31.4	
NAP 601 1F	Exhaust Fan Room	S26	Exhaust Fans	3	85	100%	380.5	-59.6	0	0	0	3	0	0	0	4.8	0	33.2	
NAP 601 1F	TBE Room	S27	Exhaust Fans	1	85	100%	393.2	-59.9	0	0	0	3	0	0	0	0	0	28.1	
NAP 601 1F	PAU Room 2	S28	PAU	5	85	100%	381.0	-59.6	0	0	0	3	0	0	0	7.0	0	35.4	
NAP 601 1F	AHU Room	S29	AHU	1	85	100%	435.8	-60.8	0	-10	-10	3	0	0	0	0	0	17.2	
NAP 601 1F	Lift Machine Room	S30	Lift Machine	3	85	100%	432.4	-60.7	0	-5	-5	3	0	0	0	4.8	0	27.1	
NAP 601 1F	Lift Machine Room	S31	Exhaust Fans	1	85	100%	428.3	-60.6	0	0	0	3	0	0	0	0	0	27.4	
NAP 601 1F	Portable Flushing and Makeup Water Pump Room	S32	Water Pumps	3	85	100%	394.1	-59.9	0	-5	-5	3	6	0	0	4.8	0	33.9	
NAP 601 1F	Portable Flushing and Makeup Water Pump Room	S33	Exhaust Fans	1	85	100%	394.1	-59.9	0	0	0	3	0	0	0	0	0	28.1	
NAP 601 1F	Cooling Tower Plant Room	S34	Cooling towers	2	100	100%	394.1	-59.9	0	0	0	3	0	0	0	3.0	0	46.1	
NAP 601 1F	L1 HKPF	S36	Hand-held Pneumatic Tools	1	100	7%	414.5	-60.4	0	0	0	3	0	0	0	0	-11.8	30.8	
NAP 601 1F	L1 HKPF	S37	Hammering Activities	3	113	7%	432.3	-60.7	0	0	0	3	0	3	0	4.8	-11.8	51.3	
NAP 601 1F	FEHD	S38	Automatic Vehicle Washing Machine	1	88	27%	422.0	-60.5	0	0	0	3	0	0	0	0	-5.7	24.8	
NAP 601 1F	EMSD Dept	S39	Motorcycle Speedometer Calibrator	1	112	3%	392.6	-59.9	0	0	0	3	0	0	0	0	-14.8	40.3	
NAP 601 1F	EMSD Dept	S40	Tyre Changer	1	98	27%	404.2	-60.1	0	0	0	3	0	0	0	0	-5.7	35.2	
NAP 601 1F	EMSD Dept	S41	Hammering Activities	4	113	7%	441.5	-60.9	0	0	0	3	0	3	0	6.0	-11.8	52.4	
NAP 601 1F	EMSD Dept	S42	Hand-held Pneumatic Tools	4	100	13%	396.3	-60.0	0	0	0	3	0	0	0	6.0	-8.8	40.3	
NAP 601 1F	EMSD Dept	S43	Roller Brake Tester	1	99	5%	453.8	-61.1	0	0	0	3	0	0	0	0	-13.0	27.9	
NAP 601 1F	EMSD Dept	S44	Motorcycle Brake Tester	1	99	20%	396.3	-60.0	0	0	0	3	0	0	0	0	-7.0	35.0	
NAP 601 1F	L1 HKPF	S45	Roller Brake Tester	1	99	20%	406.1	-60.2	0	0	0	3	0	0	0	0	-7.0	34.8	
NAP 601 15F	Chiller Pump Room	S1	Water Pumps	2	85	100%	431.8	-60.7	0	-5	-5	3	6	0	0	3.0	0	31.3	56
NAP 601 15F	Chiller Pump Room	S2	Exhaust Fans	1	85	100%	422.0	-60.5	0	0	0	3	0	0	0	0	0	27.5	
NAP 601 15F	Exhaust Fan Room	S3	General Exhaust Fans	5	85	100%	399.0	-60.0	0	0	0	3	0	0	0	7.0	0	35.0	
NAP 601 15F	Compressor Room	S4	Compressors	1	85	100%	389.7	-59.8	0	-5	-5	3	0	0	0	0	0	23.2	
NAP 601 15F	Compressor Room	S5	Exhaust Fans	1	85	100%	384.8	-59.7	0	0	0	3	0	0	0	0	0	28.3	
NAP 601 15F	Transformer Room	S6	Transformers	2	85	100%	384.8	-59.7	0	0	0	3	6	0	0	3.0	0	37.3	
NAP 601 15F	Transformer Room	S7	Exhaust Fans	1	85	100%	384.8	-59.7	0	0	0	3	0	0	0	0	0	28.3	
NAP 601 15F	Transferred Tank Pump Room	S8	Transferred Water Pumps	2	85	100%	384.8	-59.7	0	-10	-10	3	6	0	0	3.0	0	27.3	
NAP 601 15F	Transferred Tank Pump Room	S9	Exhaust Fans	1	85	100%	384.8	-59.7	0	-10	-10	3	0	0	0	0	0	18.3	
NAP 601 15F	Generator Room	S10	Generator (operations during power failure / maintenance)	2	85	100%	389.5	-59.8	0	0	0	3	0	0	0	3.0	0	31.2	
NAP 601 15F	Generator Room	S11	Exhaust Fans	1	85	100%	570.6	-63.1	0	0	0	3	0	0	0	0	0	24.9	
NAP 601 15F	Compressor Room	S12	Compressors	1	85	100%	397.4	-60.0	0	-5	-5	3	0	0	0	0	0	23.0	
NAP 601 15F	Compressor Room	S13	Exhaust Fans	1	85	100%	393.7	-59.9	0	0	0	3	0	0	0	0	0	28.1	
NAP 601 15F	F.S. Pump Room	S14	Water Pumps	1	85	100%	393.7	-59.9	0	-5	-5	3	6	0	0	0	0	29.1	
NAP 601 15F	F.S. Pump Room	S15	Exhaust Fans	1	85	100%	393.7	-59.9	0	0	0	3	0	0	0	0	0	28.1	
NAP 601 15F	Exhaust Fan Room	S16	General Exhaust Fans	5	85	100%	392.2	-59.9	0	0	0	3	0	0	0	7.0	0	35.1	
NAP 601 15F	PAU Room 1	S17	PAU	2	85	100%	386.1	-59.7	0	0	0	3	0	0	0	3.0	0	31.3	
NAP 601 15F	PAU Room 1	S18	Exhaust Fans	1	85	100%	386.1	-59.7	0	0	0	3	0	0	0	0	0	28.3	
NAP 601 15F	Chiller Plant Room	S19	Chiller Plant	2	85	100%	385.1	-59.7	0	0	0	3	0	0	0	3.0	0	31.3	
NAP 601 15F	Chiller Plant Room	S20	Exhaust Fans	1	85	100%	380.4	-59.6	0	0	0	3	0	0	0	0	0	28.4	
NAP 601 15F	Water Vehicle Filing and Automatic Vehicle Washing System Water Tank and Water Pump Room	S21	Water Pumps	2	85	100%	380.4	-59.6	0	-10	-10	3	6	0	0	3.0	0	27.4	
NAP 601 15F	Water Vehicle Filing and Automatic Vehicle Washing System Water Tank and Water Pump Room	S22	Exhaust Fans	1	85	100%	380.4	-59.6	0	-10	-10	3	0	0	0	0	0	18.4	
NAP 601 15F	Battery Charging Room	S23	Exhaust Fans	1	85	100%	445.0	-61.0	0	0	0	3	0	0	0	0	0	27.0	
NAP 601 15F	Exhaust Fan Room	S24	General Exhaust Fans	4	85	100%	380.1	-59.6	0	0	0	3	0	0	0	6.0	0	34.4	
NAP 601 15F	Exhaust Fan Room	S25	Welding Exhaust Fans	2	85	100%	380.1	-59.6	0	0	0	3	0	0	0	3.0	0	31.4	
NAP 601 15F	Exhaust Fan Room	S26	Exhaust Fans	3	85	100%	380.1	-59.6	0	0	0	3	0	0	0	4.8	0	33.2	
NAP 601 15F	TBE Room	S27	Exhaust Fans	1	85	100%	392.1	-59.9	0	0	0	3	0	0	0	0	0	28.1	
NAP 601 15F	PAU Room 2	S28	PAU	5	85	100%	379.8	-59.6	0	0	0	3	0	0	0	7.0	0	35.4	
NAP 601 15F	AHU Room	S29	AHU	1	85	100%	434.8	-60.8	0	-10	-10	3	0	0	0	0	0	17.2	
NAP 601 15F	Lift Machine Room	S30	Lift Machine	3	85	100%	430.9	-60.7	0	-5	-5	3	0	0	0	4.8	0	27.1	
NAP 601 15F	Lift Machine Room	S31	Exhaust Fans	1	85	100%	426.8	-60.6	0	0	0	3	0	0	0	0	0	27.4	
NAP 601 15F	Portable Flushing and Makeup Water Pump Room	S32	Water Pumps	3	85	100%	392.5	-59.9	0	-5	-5	3	6	0	0	4.8	0	33.9	
NAP 601 15F	Portable Flushing and Makeup Water Pump Room	S33	Exhaust Fans	1	85	100%	392.5	-59.9	0	0	0	3	0	0	0	0	0	28.1	
NAP 601 15F	Cooling Tower Plant Room	S34	Cooling towers	2	100	100%	392.5	-59.9	0	0	0	3	0	0	0	3.0	0	46.1	
NAP 601 15F	L1 HKPF	S36	Hand-held Pneumatic Tools	1	100	7%	417.0	-60.4	0	0	0	3	0	0	0	0	-11.8	30.8	
NAP 601 15F	L1 HKPF	S37	Hammering Activities	3	113	7%	434.7	-60.8	0	0	0	3	0	3	0	4.8	-11.8	51.2	
NAP 601 15F	FEHD	S38	Automatic Vehicle Washing Machine	1	88	27%	422.3	-60.5	0	0	0	3	0	0	0	0	-5.7	24.8	
NAP 601 15F	EMSD Dept	S39	Motorcycle Speedometer Calibrator	1	112	3%	392.2	-59.9	0	0	0	3	0	0	0	0	-14.8	40.3	
NAP 601 15F	EMSD Dept	S40	Tyre Changer	1	98	27%	403.9	-60.1	0	0	0	3	0	0	0	0	-5.7	35.2	
NAP 601 15F	EMSD Dept	S41	Hammering Activities	4	113	7%	441.2	-60.9	0	0	0	3	0	3	0	6.0	-11.8	52.4	
NAP 601 15F	EMSD Dept	S42	Hand-held Pneumatic Tools	4	100	13%	396.0	-60.0	0	0	0	3	0	0	0	6.0	-8.8	40.3	
NAP 601 15F	EMSD Dept	S43	Roller Brake Tester	1	99	5%	453.5	-61.1	0	0	0	3	0	0	0	0	-13.0	27.9	
NAP 601 15F	EMSD Dept	S44	Motorcycle Brake Tester	1	99	20%	396.0	-60.0	0	0	0	3	0	0	0	0	-7.0	35.0	
NAP 601 15F	L1 HKPF	S45	Roller Brake Tester	1	99	20%	405.8	-60.2	0	0	0	3	0	0	0	0	-7.0	34.8	
NAP 601 30F	Chiller Pump Room	S1	Water Pumps	2	85	100%	438.8	-60.8	0	-5	-5	3	6	0	0	3.0	0	31.2	56
NAP 601 30F	Chiller Pump Room	S2	Exhaust Fans	1	85	100%	429.2	-60.7	0	0	0	3	0	0	0	0	0	27.3	
NAP 601 30F	Exhaust Fan Room	S3	General Exhaust Fans	5	85	100%	406.6	-60.2	0	0	0	3	0	0	0	7.0	0	34.8	
NAP 601 30F	Compressor Room	S4	Compressors	1	85	100%	397.5	-60.0	0	-5	-5	3	0	0	0	0	0	23.0	
NAP 601 30F	Compressor Room	S5	Exhaust Fans	1	85	100%	392.8	-59.9	0	0	0	3	0	0	0	0	0	28.1	
NAP 601 30F	Transformer Room	S6	Transformers	2	85	100%	392.8	-59.9	0	0	0	3	6	0	0	3.0	0	37.1	
NAP 601 30F	Transformer Room	S7	Exhaust Fans	1	85	100%	392.8	-59.9	0	0	0	3	0	0	0	0	0	28.1	
NAP 601 30F	Transferred Tank Pump Room	S8	Transferred Water Pumps	2	85	100%	392.8	-59.9	0	-10	-10	3	6	0	0	3.0	0	27.1	
NAP 601 30F	Transferred Tank Pump Room	S9	Exhaust Fans	1	85	100%	392.8	-59.9	0	-10	-10	3	0	0	0	0	0	18.1	
NAP 601 30F	Generator Room	S10	Generator (operations during power failure / maintenance)	2	85	100%	396.4	-60.0	0	0	0	3	0	0	0	3.0	0	31.0	
NAP 601 30F	Generator Room	S11	Exhaust Fans	1	85	100%	575.9	-63.2	0	0	0	3	0	0	0	0	0	24.8	
NAP 601 30F	Compressor Room	S12	Compressors	1	85	100%	403.5	-60.1	0	-5	-5	3	0	0	0	0	0	22.9	
NAP 601 30F	Compressor Room	S13	Exhaust Fans	1	85	100%	399.8	-60.0	0	0	0	3	0	0	0	0	0	28.0	
NAP 601 30F	F.S. Pump Room	S14	Water Pumps	1	85	100%	399.8	-60.0	0	-5	-5	3	6	0	0	0	0	29.0	
NAP 601 30F	F.S. Pump Room	S15	Exhaust Fans	1	85	100%	399.8	-60.0	0	0	0	3	0	0	0	0	0	28.0	
NAP 601 30F	Exhaust Fan Room	S16	General Exhaust Fans	5	85	100%	395.0	-59.9	0	0	0	3	0	0	0	7.0	0	35.1	
NAP 601 30F	PAU Room 1	S17	PAU	2	85	100%	389.0	-59.8	0	0	0	3	0	0	0	3.0	0	31.2	
NAP 601 30F	PAU Room 1	S18	Exhaust Fans	1	85	100%	389.0	-59.8	0	0	0	3	0	0	0	0	0	28.2	
NAP 601 30F	Chiller Plant Room	S19	Chiller Plant	2	85	100%	390.5	-59.8	0	0	0	3	0	0	0	3.0	0	31.2	
NAP 601 30F	Chiller Plant Room	S20	Exhaust Fans	1	85	100%	385.9	-59.7	0	0	0	3	0	0	0	0	0	28.3	
NAP 601 30F	Water Vehicle Filing and Automatic Vehicle Washing System Water Tank and Water Pump Room	S21	Water Pumps	2	85	100%	385.9	-59.7	0	-10	-10	3	6	0	0	3.0	0	27.3	
NAP 601 30F	Water Vehicle Filing and Automatic Vehicle Washing System Water Tank and Water Pump Room	S22	Exhaust Fans	1	85	100%	385.9	-59.7	0	-10	-10	3	0	0	0	0	0	18.3	
NAP 601 30F	Battery Charging Room	S23	Exhaust Fans	1	85	100%	449.0	-61.0	0	0	0	3	0	0	0	0	0	27.0	
NAP 601 30F	Exhaust Fan Room	S24	General Exhaust Fans	4	85	100%	384.8	-59.7	0	0	0	3	0	0	0	6.0	0	34.3	
NAP 601 30F	Exhaust Fan Room	S25	Welding Exhaust Fans	2	85	100%	384.8	-59.7	0	0	0	3	0	0	0	3.0	0	31.3	
NAP 601 30F	Exhaust Fan Room	S26	Exhaust Fans	3	85	100%	384.8	-59.7	0	0	0	3	0	0	0	4.8	0	33.1	
NAP 601 30F	TBE Room	S27	Exhaust Fans	1	85	100%	395.9	-60.0	0	0	0	3	0	0	0	0	0	28.0	
NAP 601 30F	PAU Room 2	S28	PAU	5	85	100%	383.7	-59.7	0	0	0	3	0	0	0	7.0	0	35.3	
NAP 601 30F	AHU Room	S29	AHU	1	85	100%	438.3	-60.8	0	-10	-10	3	0	0	0	0	0	17.2	
NAP 601 30F	Lift Machine Room	S30	Lift Machine	3	85	100%	433.9	-60.7	0	-5	-5	3	0	0	0	4.8	0	27.1	
NAP 601 30F	Lift Machine Room	S31	Exhaust Fans	1	85	100%	429.8	-60.7	0	0	0	3	0	0	0	0	0	27.3	
NAP 601 30F	Portable Flushing and Makeup Water Pump Room	S32	Water Pumps	3	85	100%	395.7	-59.9	0	-5	-5	3	6	0	0	4.8	0	33.9	
NAP 601 30F	Portable Flushing and Makeup Water Pump Room	S33	Exhaust Fans	1	85	100%	395.7	-59.9	0	0	0	3	0	0	0	0	0	28.1	
NAP 601 30F	Cooling Tower Plant Room	S34	Cooling towers	2	100	100%	395.7	-59.9	0	0	0	3	0	0	0	3.0	0	46.1	
NAP 601 30F	L1 HKPF	S36	Hand-held Pneumatic Tools	1	100	7%	424.3	-60.6	0	0	0	3	0	0	0	0	-11.8	30.6	
NAP 601 30F	L1 HKPF	S37	Hammering Activities	3	113	7%	441.7	-60.9	0	0	0	3	0	3	0	4.8	-11.8	51.1	
NAP 601 30F	FEHD	S38	Automatic Vehicle Washing Machine	1	88	27%	427.3	-60.6	0	0	0	3	0	0	0	0	-5.7	24.7	
NAP 601 30F	EMSD Dept	S39	Motorcycle Speedometer Calibrator	1	112	3%	396.8	-60.0	0	0	0	3	0	0	0	0	-14.8	40.2	
NAP 601 30F	EMSD Dept	S40	Tyre Changer	1	98	27%	408.3	-60.2	0	0	0	3	0	0	0	0	-5.7	35.1	
NAP 601 30F	EMSD Dept	S41	Hammering Activities	4	113	7%	445.3	-61.0	0	0	0	3	0	3	0	6.0	-11.8	52.3	
NAP 601 30F	EMSD Dept	S42	Hand-held Pneumatic Tools	4	100	13%	400.5	-60.1	0	0	0	3	0	0	0	6.0	-8.8	40.2	
NAP 601 30F	EMSD Dept	S43	Roller Brake Tester	1	99	5%	457.5	-61.2	0	0	0	3	0	0	0	0	-13.0	27.8	
NAP 601 30F	EMSD Dept	S44	Motorcycle Brake Tester	1	99	20%	400.5	-60.1	0	0	0	3	0	0	0	0	-7.0	34.9	
NAP 601 30F	L1 HKPF	S45	Roller Brake Tester	1	99	20%	410.2	-60.3	0	0	0	3	0	0	0	0	-7.0	34.7	

(Night-time)

NAP ID	Room	Source ID	Identified Noise Sources	Quantity / Max concurrent works, nos.	Maximum Allowable SWL, dB(A)	Percentage on-time over 30 mins	Slant Distance, m	Distance Attenuation, dB(A)	Barrier Correction due to Surrounding Buildings, dB(A)	Barrier Correction due to Interior Structure, dB(A)	Overall Barrier Correction, dB(A)	Façade Correction, dB(A)	Correction for Tonality, dB(A)	Correction for Impulsiveness, dB(A)	Correction for Intermittency, dB(A)	Correction for Quantity, dB(A)	Percentage On-time Correction, dB(A)	Predicted Noise Level, dB(A)	Resultant SPL, Leq(30mins), dB(A)
NAP 601 1F	Chiller Pump Room	S1	Water Pumps	1	85	100%	429.3	-60.7	0	-5	-5	3	6	0	0	0	0	28.3	49
NAP 601 1F	Chiller Pump Room	S2	Exhaust Fans	1	85	100%	419.5	-60.5	0	0	0	3	0	0	0	0	0	27.5	
NAP 601 1F	Exhaust Fan Room	S3	General Exhaust Fans	1	85	100%	396.4	-60.0	0	0	0	3	0	0	0	0	0	28.0	
NAP 601 1F	Compressor Room	S4	Compressors	0	85	0%	387.0	-59.8	0	-5	-5	3	0	0	0	0	0	0.0	
NAP 601 1F	Compressor Room	S5	Exhaust Fans	0	85	0%	382.1	-59.6	0	0	0	3	0	0	0	0	0	0.0	
NAP 601 1F	Transformer Room	S6	Transformers	2	85	100%	382.1	-59.6	0	0	0	3	6	0	0	3.0	0	37.4	
NAP 601 1F	Transformer Room	S7	Exhaust Fans	1	85	100%	382.1	-59.6	0	0	0	3	0	0	0	0	0	28.4	
NAP 601 1F	Transferred Tank Pump Room	S8	Transferred Water Pumps	2	85	100%	382.1	-59.6	0	-10	-10	3	6	0	0	3.0	0	27.4	
NAP 601 1F	Transferred Tank Pump Room	S9	Exhaust Fans	1	85	100%	382.1	-59.6	0	-10	-10	3	0	0	0	0	0	18.4	
NAP 601 1F	Generator Room	S10	Generator (operations during power failure / maintenance)	2	85	100%	387.7	-59.8	0	0	0	3	0	0	0	3.0	0	31.2	
NAP 601 1F	Generator Room	S11	Exhaust Fans	1	85	100%	568.9	-63.1	0	0	0	3	0	0	0	0	0	24.9	
NAP 601 1F	Compressor Room	S12	Compressors	0	85	0%	396.2	-60.0	0	-5	-5	3	0	0	0	0	0	0.0	
NAP 601 1F	Compressor Room	S13	Exhaust Fans	0	85	0%	392.6	-59.9	0	0	0	3	0	0	0	0	0	0.0	
NAP 601 1F	F.S. Pump Room	S14	Water Pumps	1	85	100%	392.6	-59.9	0	-5	-5	3	6	0	0	0	0	29.1	
NAP 601 1F	F.S. Pump Room	S15	Exhaust Fans	1	85	100%	392.6	-59.9	0	0	0	3	0	0	0	0	0	28.1	
NAP 601 1F	Exhaust Fan Room	S16	General Exhaust Fans	2	85	100%	391.5	-59.9	0	0	0	3	0	0	0	3.0	0	31.1	
NAP 601 1F	PAU Room 1	S17	PAU	1	85	100%	385.3	-59.7	0	0	0	3	0	0	0	0	0	28.3	
NAP 601 1F	PAU Room 1	S18	Exhaust Fans	0	85	0%	385.3	-59.7	0	0	0	3	0	0	0	0	0	0.0	
NAP 601 1F	Chiller Plant Room	S19	Chiller Plant	1	85	100%	384.8	-59.7	0	0	0	3	0	0	0	0	0	28.3	
NAP 601 1F	Chiller Plant Room	S20	Exhaust Fans	1	85	100%	380.1	-59.6	0	0	0	3	0	0	0	0	0	28.4	
NAP 601 1F	Water Vehicle Filing and Automatic Vehicle Washing System Water Tank and Water Pump Room	S21	Water Pumps	2	85	100%	380.1	-59.6	0	-10	-10	3	6	0	0	3.0	0	27.4	
NAP 601 1F	Water Vehicle Filing and Automatic Vehicle Washing System Water Tank and Water Pump Room	S22	Exhaust Fans	1	85	100%	380.1	-59.6	0	-10	-10	3	0	0	0	0	0	18.4	
NAP 601 1F	Battery Charging Room	S23	Exhaust Fans	0	85	0%	445.3	-61.0	0	0	0	3	0	0	0	0	0	0.0	
NAP 601 1F	Exhaust Fan Room	S24	General Exhaust Fans	0	85	0%	380.5	-59.6	0	0	0	3	0	0	0	0	0	0.0	
NAP 601 1F	Exhaust Fan Room	S25	Welding Exhaust Fans	0	85	0%	380.5	-59.6	0	0	0	3	0	0	0	0	0	0.0	
NAP 601 1F	Exhaust Fan Room	S26	Exhaust Fans	0	85	0%	380.5	-59.6	0	0	0	3	0	0	0	0	0	0.0	
NAP 601 1F	TBE Room	S27	Exhaust Fans	0	85	0%	393.2	-59.9	0	0	0	3	0	0	0	0	0	0.0	
NAP 601 1F	PAU Room 2	S28	PAU	0	85	0%	381.0	-59.6	0	0	0	3	0	0	0	0	0	0.0	
NAP 601 1F	AHU Room	S29	AHU	0	85	0%	435.8	-60.8	0	-10	-10	3	0	0	0	0	0	0.0	
NAP 601 1F	Lift Machine Room	S30	Lift Machine	1	85	100%	432.4	-60.7	0	-5	-5	3	0	0	0	0	0	22.3	
NAP 601 1F	Lift Machine Room	S31	Exhaust Fans	1	85	100%	428.3	-60.6	0	0	0	3	0	0	0	0	0	27.4	
NAP 601 1F	Portable Flushing and Makeup Water Pump Room	S32	Water Pumps	3	85	100%	394.1	-59.9	0	-5	-5	3	6	0	0	4.8	0	33.9	
NAP 601 1F	Portable Flushing and Makeup Water Pump Room	S33	Exhaust Fans	1	85	100%	394.1	-59.9	0	0	0	3	0	0	0	0	0	28.1	
NAP 601 1F	Cooling Tower Plant Room	S34	Cooling towers	1	100	100%	394.1	-59.9	0	0	0	3	0	0	0	0	0	43.1	
NAP 601 1F	L1 HKPF	S36	Hand-held Pneumatic Tools	1	100	2%	414.5	-60.4	0	0	0	3	0	0	0	0	-17.8	24.8	
NAP 601 1F	L1 HKPF	S37	Hammering Activities	1	113	7%	432.3	-60.7	0	0	0	3	0	3	0	0	-11.8	46.5	
NAP 601 1F	FEHD	S38	Automatic Vehicle Washing Machine	1	88	27%	422.0	-60.5	0	0	0	3	0	0	0	0	-6	24.8	
NAP 601 1F	EMSD Dept	S39	Motorcycle Speedometer Calibrator	0	112	0%	392.6	-59.9	0	0	0	3	0	0	0	0	0	0.0	
NAP 601 1F	EMSD Dept	S40	Tyre Changer	0	98	0%	404.2	-60.1	0	0	0	3	0	0	0	0	0	0.0	
NAP 601 1F	EMSD Dept	S41	Hammering Activities	0	113	0%	441.5	-60.9	0	0	0	3	0	3	0	0	0	0.0	
NAP 601 1F	EMSD Dept	S42	Hand-held Pneumatic Tools	0	100	0%	396.3	-60.0	0	0	0	3	0	0	0	0	0	0.0	
NAP 601 1F	EMSD Dept	S43	Roller Brake Tester	0	99	0%	453.8	-61.1	0	0	0	3	0	0	0	0	0	0.0	
NAP 601 1F	EMSD Dept	S44	Motorcycle Brake Tester	0	99	0%	396.3	-60.0	0	0	0	3	0	0	0	0	0	0.0	
NAP 601 1F	L1 HKPF	S45	Roller Brake Tester	1	99	7%	406.1	-60.2	0	0	0	3	0	0	0	0	-11.8	30.0	
NAP 601 15F	Chiller Pump Room	S1	Water Pumps	1	85	100%	431.8	-60.7	0	-5	-5	3	6	0	0	0	0	28.3	49
NAP 601 15F	Chiller Pump Room	S2	Exhaust Fans	1	85	100%	422.0	-60.5	0	0	0	3	0	0	0	0	0	27.5	
NAP 601 15F	Exhaust Fan Room	S3	General Exhaust Fans	1	85	100%	399.0	-60.0	0	0	0	3	0	0	0	0	0	28.0	
NAP 601 15F	Compressor Room	S4	Compressors	0	85	0%	389.7	-59.8	0	-5	-5	3	0	0	0	0	0	0.0	
NAP 601 15F	Compressor Room	S5	Exhaust Fans	0	85	0%	384.8	-59.7	0	0	0	3	0	0	0	0	0	0.0	
NAP 601 15F	Transformer Room	S6	Transformers	2	85	100%	384.8	-59.7	0	0	0	3	6	0	0	3.0	0	37.3	
NAP 601 15F	Transformer Room	S7	Exhaust Fans	1	85	100%	384.8	-59.7	0	0	0	3	0	0	0	0	0	28.3	
NAP 601 15F	Transferred Tank Pump Room	S8	Transferred Water Pumps	2	85	100%	384.8	-59.7	0	-10	-10	3	6	0	0	3.0	0	27.3	
NAP 601 15F	Transferred Tank Pump Room	S9	Exhaust Fans	1	85	100%	384.8	-59.7	0	-10	-10	3	0	0	0	0	0	18.3	
NAP 601 15F	Generator Room	S10	Generator (operations during power failure / maintenance)	2	85	100%	389.5	-59.8	0	0	0	3	0	0	0	3.0	0	31.2	
NAP 601 15F	Generator Room	S11	Exhaust Fans	1	85	100%	570.6	-63.1	0	0	0	3	0	0	0	0	0	24.9	
NAP 601 15F	Compressor Room	S12	Compressors	0	85	0%	397.4	-60.0	0	-5	-5	3	0	0	0	0	0	0.0	
NAP 601 15F	Compressor Room	S13	Exhaust Fans	0	85	0%	393.7	-59.9	0	0	0	3	0	0	0	0	0	0.0	
NAP 601 15F	F.S. Pump Room	S14	Water Pumps	1	85	100%	393.7	-59.9	0	-5	-5	3	6	0	0	0	0	29.1	
NAP 601 15F	F.S. Pump Room	S15	Exhaust Fans	1	85	100%	393.7	-59.9	0	0	0	3	0	0	0	0	0	28.1	
NAP 601 15F	Exhaust Fan Room	S16	General Exhaust Fans	2	85	100%	392.2	-59.9	0	0	0	3	0	0	0	3.0	0	31.1	
NAP 601 15F	PAU Room 1	S17	PAU	1	85	100%	386.1	-59.7	0	0	0	3	0	0	0	0	0	28.3	
NAP 601 15F	PAU Room 1	S18	Exhaust Fans	0	85	0%	386.1	-59.7	0	0	0	3	0	0	0	0	0	0.0	
NAP 601 15F	Chiller Plant Room	S19	Chiller Plant	1	85	100%	385.1	-59.7	0	0	0	3	0	0	0	0	0	28.3	
NAP 601 15F	Chiller Plant Room	S20	Exhaust Fans	1	85	100%	380.4	-59.6	0	0	0	3	0	0	0	0	0	28.4	
NAP 601 15F	Water Vehicle Filing and Automatic Vehicle Washing System Water Tank and Water Pump Room	S21	Water Pumps	2	85	100%	380.4	-59.6	0	-10	-10	3	6	0	0	3.0	0	27.4	
NAP 601 15F	Water Vehicle Filing and Automatic Vehicle Washing System Water Tank and Water Pump Room	S22	Exhaust Fans	1	85	100%	380.4	-59.6	0	-10	-10	3	0	0	0	0	0	18.4	
NAP 601 15F	Battery Charging Room	S23	Exhaust Fans	0	85	0%	445.0	-61.0	0	0	0	3	0	0	0	0	0	0.0	
NAP 601 15F	Exhaust Fan Room	S24	General Exhaust Fans	0	85	0%	380.1	-59.6	0	0	0	3	0	0	0	0	0	0.0	
NAP 601 15F	Exhaust Fan Room	S25	Welding Exhaust Fans	0	85	0%	380.1	-59.6	0	0	0	3	0	0	0	0	0	0.0	
NAP 601 15F	Exhaust Fan Room	S26	Exhaust Fans	0	85	0%	380.1	-59.6	0	0	0	3	0	0	0	0	0	0.0	
NAP 601 15F	TBE Room	S27	Exhaust Fans	0	85	0%	392.1	-59.9	0	0	0	3	0	0	0	0	0	0.0	
NAP 601 15F	PAU Room 2	S28	PAU	0	85	0%	379.8	-59.6	0	0	0	3	0	0	0	0	0	0.0	
NAP 601 15F	AHU Room	S29	AHU	0	85	0%	434.8	-60.8	0	-10	-10	3	0	0	0	0	0	0.0	
NAP 601 15F	Lift Machine Room	S30	Lift Machine	1	85	100%	430.9	-60.7	0	-5	-5	3	0	0	0	0	0	22.3	
NAP 601 15F	Lift Machine Room	S31	Exhaust Fans	1	85	100%	426.8	-60.6	0	0	0	3	0	0	0	0	0	27.4	
NAP 601 15F	Portable Flushing and Makeup Water Pump Room	S32	Water Pumps	3	85	100%	392.5	-59.9	0	-5	-5	3	6	0	0	4.8	0	33.9	
NAP 601 15F	Portable Flushing and Makeup Water Pump Room	S33	Exhaust Fans	1	85	100%	392.5	-59.9	0	0	0	3	0	0	0	0	0	28.1	
NAP 601 15F	Cooling Tower Plant Room	S34	Cooling towers	1	100	100%	392.5	-59.9	0	0	0	3	0	0	0	0	0	43.1	
NAP 601 15F	L1 HKPF	S36	Hand-held Pneumatic Tools	1	100	2%	417.0	-60.4	0	0	0	3	0	0	0	0	-17.8	24.8	
NAP 601 15F	L1 HKPF	S37	Hammering Activities	1	113	7%	434.7	-60.8	0	0	0	3	0	3	0	0	-11.8	46.4	
NAP 601 15F	FEHD	S38	Automatic Vehicle Washing Machine	1	88	27%	422.3	-60.5	0	0	0	3	0	0	0	0	-6	24.8	
NAP 601 15F	EMSD Dept	S39	Motorcycle Speedometer Calibrator	0	112	0%	392.2	-59.9	0	0	0	3	0	0	0	0	0	0.0	
NAP 601 15F	EMSD Dept	S40	Tyre Changer	0	98	0%	403.9	-60.1	0	0	0	3	0	0	0	0	0	0.0	
NAP 601 15F	EMSD Dept	S41	Hammering Activities	0	113	0%	441.2	-60.9	0	0	0	3	0	3	0	0	0	0.0	
NAP 601 15F	EMSD Dept	S42	Hand-held Pneumatic Tools	0	100	0%	396.0	-60.0	0	0	0	3	0	0	0	0	0	0.0	
NAP 601 15F	EMSD Dept	S43	Roller Brake Tester	0	99	0%	453.5	-61.1	0	0	0	3	0	0	0	0	0	0.0	
NAP 601 15F	EMSD Dept	S44	Motorcycle Brake Tester	0	99	0%	396.0	-60.0	0	0	0	3	0	0	0	0	0	0.0	
NAP 601 15F	L1 HKPF	S45	Roller Brake Tester	1	99	7%	405.8	-60.2	0	0	0	3	0	0	0	0	-11.8	30.0	
NAP 601 30F	Chiller Pump Room	S1	Water Pumps	1	85	100%	438.8	-60.8	0	-5	-5	3	6	0	0	0	0	28.2	49
NAP 601 30F	Chiller Pump Room	S2	Exhaust Fans	1	85	100%	429.2	-60.7	0	0	0	3	0	0	0	0	0	27.3	
NAP 601 30F	Exhaust Fan Room	S3	General Exhaust Fans	1	85	100%	406.6	-60.2	0	0	0	3	0	0	0	0	0	27.8	
NAP 601 30F	Compressor Room	S4	Compressors	0	85	0%	397.5	-60.0	0	-5	-5	3	0	0	0	0	0	0.0	
NAP 601 30F	Compressor Room	S5	Exhaust Fans	0	85	0%	392.8	-59.9	0	0	0	3	0	0	0	0	0	0.0	
NAP 601 30F	Transformer Room	S6	Transformers	2	85	100%	392.8	-59.9	0	0	0	3	6	0	0	3.0	0	37.1	
NAP 601 30F	Transformer Room	S7	Exhaust Fans	1	85	100%	392.8	-59.9	0	0	0	3	0	0	0	0	0	28.1	
NAP 601 30F	Transferred Tank Pump Room	S8	Transferred Water Pumps	2	85	100%	392.8	-59.9	0	-10	-10	3	6	0	0	3.0	0	27.1	
NAP 601 30F	Transferred Tank Pump Room	S9	Exhaust Fans	1	85	100%	392.8	-59.9	0	-10	-10	3	0	0	0	0	0	18.1	
NAP 601 30F	Generator Room	S10	Generator (operations during power failure / maintenance)	2	85	100%	396.4	-60.0	0	0	0	3	0	0	0	3.0	0	31.0	
NAP 601 30F	Generator Room	S11	Exhaust Fans	1	85	100%	575.9	-63.2	0	0	0	3	0	0	0	0	0	24.8	
NAP 601 30F	Compressor Room	S12	Compressors	0	85	0%	403.5	-60.1	0	-5	-5	3	0	0	0	0	0	0.0	
NAP 601 30F	Compressor Room	S13	Exhaust Fans	0	85	0%	399.8	-60.0	0	0	0	3	0	0	0	0	0	0.0	
NAP 601 30F	F.S. Pump Room	S14	Water Pumps	1	85	100%	399.8	-60.0	0	-5	-5	3	6	0	0	0	0	29.0	
NAP 601 30F	F.S. Pump Room	S15	Exhaust Fans	1	85	100%	399.8	-60.0	0	0	0	3	0	0	0	0	0	28.0	
NAP 601 30F	Exhaust Fan Room	S16	General Exhaust Fans	2	85	100%	395.0	-59.9	0	0	0	3	0	0	0	3.0	0	31.1	
NAP 601 30F	PAU Room 1	S17	PAU	1	85	100%	389.0	-59.8	0	0	0	3	0	0	0	0	0	28.2	
NAP 601 30F	PAU Room 1	S18	Exhaust Fans	0	85	0%	389.0	-59.8	0	0	0	3	0	0	0	0	0	0.0	
NAP 601 30F	Chiller Plant Room	S19	Chiller Plant	1	85	100%	390.5	-59.8	0	0	0	3	0	0	0	0	0	28.2	
NAP 601 30F	Chiller Plant Room	S20	Exhaust Fans	1	85	100%	385.9	-59.7	0	0	0	3	0	0	0	0	0	28.3	
NAP 601 30F	Water Vehicle Filing and Automatic Vehicle Washing System Water Tank and Water Pump Room	S21	Water Pumps	2	85	100%	385.9	-59.7	0	-10	-10	3	6	0	0	3.0	0	27.3	
NAP 601 30F	Water Vehicle Filing and Automatic Vehicle Washing System Water Tank and Water Pump Room	S22	Exhaust Fans	1	85	100%	385.9	-59.7	0	-10	-10	3	0	0	0	0	0	18.3	
NAP 601 30F	Battery Charging Room	S23	Exhaust Fans	0	85	0%	449.0	-61.0	0	0	0	3	0	0	0	0	0	0.0	
NAP 601 30F	Exhaust Fan Room	S24	General Exhaust Fans	0	85	0%	384.8	-59.7	0	0	0	3	0	0	0	0	0	0.0	
NAP 601 30F	Exhaust Fan Room	S25	Welding Exhaust Fans	0	85	0%	384.8	-59.7	0	0	0	3	0	0	0	0	0	0.0	
NAP 601 30F	Exhaust Fan Room	S26	Exhaust Fans	0	85	0%	384.8	-59.7	0	0	0	3	0	0	0	0	0	0.0	
NAP 601 30F	TBE Room	S27	Exhaust Fans	0	85	0%	395.9	-60.0	0	0	0	3	0	0	0	0	0	0.0	
NAP 601 30F	PAU Room 2	S28	PAU	0	85	0%	383.7	-59.7	0	0	0	3	0	0	0	0	0	0.0	
NAP 601 30F	AHU Room	S29	AHU	0	85	0%	438.3	-60.8	0	-10	-10	3	0	0	0	0	0	0.0	
NAP 601 30F	Lift Machine Room	S30	Lift Machine	1	85	100%	433.9	-60.7	0	-5	-5	3	0	0	0	0	0	22.3	
NAP 601 30F	Lift Machine Room	S31	Exhaust Fans	1	85	100%	429.8	-60.7	0	0	0	3	0	0	0	0	0	27.3	
NAP 601 30F	Portable Flushing and Makeup Water Pump Room	S32	Water Pumps	3	85	100%	395.7	-59.9	0	-5	-5	3	6	0	0	4.8	0	33.9	
NAP 601 30F	Portable Flushing and Makeup Water Pump Room	S33	Exhaust Fans	1	85	100%	395.7	-59.9	0	0	0	3	0	0	0	0	0	28.1	
NAP 601 30F	Cooling Tower Plant Room	S34	Cooling towers	1	100	100%	395.7	-59.9	0	0	0	3	0	0	0	0	0	43.1	
NAP 601 30F	L1 HKPF	S36	Hand-held Pneumatic Tools	1	100	2%	424.3	-60.6	0	0	0	3	0	0	0	0	-17.8	24.6	
NAP 601 30F	L1 HKPF	S37	Hammering Activities	1	113	7%	441.7	-60.9	0	0	0	3	0	3	0	0	-11.8	46.3	
NAP 601 30F	FEHD	S38	Automatic Vehicle Washing Machine	1	88	27%	427.3	-60.6	0	0	0	3	0	0	0	0	-6	24.7	
NAP 601 30F	EMSD Dept	S39	Motorcycle Speedometer Calibrator	0	112	0%	396.8	-60.0	0	0	0	3	0	0	0	0	0	0.0	
NAP 601 30F	EMSD Dept	S40	Tyre Changer	0	98	0%	408.3	-60.2	0	0	0	3	0	0	0	0	0	0.0	
NAP 601 30F	EMSD Dept	S41	Hammering Activities	0	113	0%	445.3	-61.0	0	0	0	3	0	3	0	0	0	0.0	
NAP 601 30F	EMSD Dept	S42	Hand-held Pneumatic Tools	0	100	0%	400.5	-60.1	0	0	0	3	0	0	0	0	0	0.0	
NAP 601 30F	EMSD Dept	S43	Roller Brake Tester	0	99	0%	457.5	-61.2	0	0	0	3	0	0	0	0	0	0.0	
NAP 601 30F	EMSD Dept	S44	Motorcycle Brake Tester	0	99	0%	400.5	-60.1	0	0	0	3	0	0	0	0	0	0.0	
NAP 601 30F	L1 HKPF	S45	Roller Brake Tester	1	99	7%	410.2	-60.3	0	0	0	3	0	0	0	0	-11.8	29.9	

(Day / Evening Time)

NAP ID	Room	Source ID	Identified Noise Sources	Quantity / Max concurrent works, nos.	Maximum Allowable SWL, dB(A)	Percentage on-time over 30 mins	Slant Distance, m	Distance Attenuation, dB(A)	Barrier Correction due to Surrounding Buildings, dB(A)	Barrier Correction due to Interior Structure, dB(A)	Overall Barrier Correction, dB(A)	Façade Correction, dB(A)	Correction for Tonality, dB(A)	Correction for Impulsiveness, dB(A)	Correction for Intermittency, dB(A)	Correction for Quantity, dB(A)	Percentage On-time Correction, dB(A)	Predicted Noise Level, dB(A)	Resultant SPL, Leq(30mins), dB(A)
NAP 701 1F	Chiller Pump Room	S1	Water Pumps	2	85	100%	410.8	-60.3	-10	-5	-10	3	6	0	0	3.0	0	26.7	56
NAP 701 1F	Chiller Pump Room	S2	Exhaust Fans	1	85	100%	400.5	-60.1	-10	0	-10	3	0	0	0	0	0	17.9	
NAP 701 1F	Exhaust Fan Room	S3	General Exhaust Fans	5	85	100%	383.3	-59.7	-10	0	-10	3	0	0	0	7.0	0	25.3	
NAP 701 1F	Compressor Room	S4	Compressors	1	85	100%	383.6	-59.7	-10	-5	-10	3	0	0	0	0	0	18.3	
NAP 701 1F	Compressor Room	S5	Exhaust Fans	1	85	100%	380.9	-59.6	-10	0	-10	3	0	0	0	0	0	18.4	
NAP 701 1F	Transformer Room	S6	Transformers	2	85	100%	380.9	-59.6	-10	0	-10	3	6	0	0	3.0	0	27.4	
NAP 701 1F	Transformer Room	S7	Exhaust Fans	1	85	100%	380.9	-59.6	-10	0	-10	3	0	0	0	0	0	18.4	
NAP 701 1F	Transferred Tank Pump Room	S8	Transferred Water Pumps	2	85	100%	380.9	-59.6	-10	-10	-10	3	6	0	0	3.0	0	27.4	
NAP 701 1F	Transferred Tank Pump Room	S9	Exhaust Fans	1	85	100%	380.9	-59.6	-10	-10	-10	3	0	0	0	0	0	18.4	
NAP 701 1F	Generator Room	S10	Generator (operations during power failure / maintenance)	2	85	100%	394.8	-59.9	-10	0	-10	3	0	0	0	3.0	0	21.1	
NAP 701 1F	Generator Room	S11	Exhaust Fans	1	85	100%	560.4	-63.0	0	0	0	3	0	0	0	0	0	25.0	
NAP 701 1F	Compressor Room	S12	Compressors	1	85	100%	387.6	-59.8	0	-5	-5	3	0	0	0	0	0	23.2	
NAP 701 1F	Compressor Room	S13	Exhaust Fans	1	85	100%	381.8	-59.6	0	0	0	3	0	0	0	0	0	28.4	
NAP 701 1F	F.S. Pump Room	S14	Water Pumps	1	85	100%	381.8	-59.6	0	-5	-5	3	6	0	0	0	0	29.4	
NAP 701 1F	F.S. Pump Room	S15	Exhaust Fans	1	85	100%	381.8	-59.6	0	0	0	3	0	0	0	0	0	28.4	
NAP 701 1F	Exhaust Fan Room	S16	General Exhaust Fans	5	85	100%	382.1	-59.6	0	0	0	3	0	0	0	7.0	0	35.4	
NAP 701 1F	PAU Room 1	S17	PAU	2	85	100%	392.2	-59.9	0	0	0	3	0	0	0	3.0	0	31.1	
NAP 701 1F	PAU Room 1	S18	Exhaust Fans	1	85	100%	392.2	-59.9	0	0	0	3	0	0	0	0	0	28.1	
NAP 701 1F	Chiller Plant Room	S19	Chiller Plant	2	85	100%	391.0	-59.8	0	0	0	3	0	0	0	3.0	0	31.2	
NAP 701 1F	Chiller Plant Room	S20	Exhaust Fans	1	85	100%	387.4	-59.8	0	0	0	3	0	0	0	0	0	28.2	
NAP 701 1F	Water Vehicle Filing and Automatic Vehicle Washing System Water Tank and Water Pump Room	S21	Water Pumps	2	85	100%	387.4	-59.8	0	-10	-10	3	6	0	0	3.0	0	27.2	
NAP 701 1F	Water Vehicle Filing and Automatic Vehicle Washing System Water Tank and Water Pump Room	S22	Exhaust Fans	1	85	100%	387.4	-59.8	0	-10	-10	3	0	0	0	0	0	18.2	
NAP 701 1F	Battery Charging Room	S23	Exhaust Fans	1	85	100%	425.8	-60.6	0	0	0	3	0	0	0	0	0	27.4	
NAP 701 1F	Exhaust Fan Room	S24	General Exhaust Fans	4	85	100%	387.7	-59.8	0	0	0	3	0	0	0	6.0	0	34.2	
NAP 701 1F	Exhaust Fan Room	S25	Welding Exhaust Fans	2	85	100%	387.7	-59.8	0	0	0	3	0	0	0	3.0	0	31.2	
NAP 701 1F	Exhaust Fan Room	S26	Exhaust Fans	3	85	100%	387.7	-59.8	0	0	0	3	0	0	0	4.8	0	33.0	
NAP 701 1F	TBE Room	S27	Exhaust Fans	1	85	100%	383.3	-59.7	0	0	0	3	0	0	0	0	0	28.3	
NAP 701 1F	PAU Room 2	S28	PAU	5	85	100%	388.2	-59.8	0	0	0	3	0	0	0	7.0	0	35.2	
NAP 701 1F	AHU Room	S29	AHU	1	85	100%	443.6	-60.9	0	-10	-10	3	0	0	0	0	0	17.1	
NAP 701 1F	Lift Machine Room	S30	Lift Machine	3	85	100%	413.0	-60.3	0	-5	-5	3	0	0	0	4.8	0	27.5	
NAP 701 1F	Lift Machine Room	S31	Exhaust Fans	1	85	100%	409.1	-60.2	0	0	0	3	0	0	0	0	0	27.8	
NAP 701 1F	Portable Flushing and Makeup Water Pump Room	S32	Water Pumps	3	85	100%	383.4	-59.7	0	-5	-5	3	6	0	0	4.8	0	34.1	
NAP 701 1F	Portable Flushing and Makeup Water Pump Room	S33	Exhaust Fans	1	85	100%	383.4	-59.7	0	0	0	3	0	0	0	0	0	28.3	
NAP 701 1F	Cooling Tower Plant Room	S34	Cooling towers	2	100	100%	383.4	-59.7	-10	0	-10	3	0	0	0	3.0	0	36.3	
NAP 701 1F	L1 HKPF	S36	Hand-held Pneumatic Tools	1	100	7%	402.7	-60.1	-10	0	-10	3	0	0	0	0	-11.8	21.1	
NAP 701 1F	L1 HKPF	S37	Hammering Activities	3	113	7%	436.0	-60.8	0	0	0	3	0	3	0	4.8	-11.8	51.2	
NAP 701 1F	FEHD	S38	Automatic Vehicle Washing Machine	1	88	27%	417.7	-60.4	0	0	0	3	0	0	0	0	-5.7	24.9	
NAP 701 1F	EMSD Dept	S39	Motorcycle Speedometer Calibrator	1	112	3%	393.5	-59.9	0	0	0	3	0	0	0	0	-14.8	40.3	
NAP 701 1F	EMSD Dept	S40	Tyre Changer	1	98	27%	388.9	-59.8	0	0	0	3	0	0	0	0	-5.7	35.5	
NAP 701 1F	EMSD Dept	S41	Hammering Activities	4	113	7%	440.8	-60.9	0	0	0	3	0	3	0	6.0	-11.8	52.4	
NAP 701 1F	EMSD Dept	S42	Hand-held Pneumatic Tools	4	100	13%	387.0	-59.8	0	0	0	3	0	0	0	6.0	-8.8	40.5	
NAP 701 1F	EMSD Dept	S43	Roller Brake Tester	1	99	5%	442.9	-60.9	0	0	0	3	0	0	0	0	-13.0	28.1	
NAP 701 1F	EMSD Dept	S44	Motorcycle Brake Tester	1	99	20%	387.0	-59.8	0	0	0	3	0	0	0	0	-7.0	35.2	
NAP 701 1F	L1 HKPF	S45	Roller Brake Tester	1	99	20%	388.5	-59.8	-10	0	-10	3	0	0	0	0	-7.0	25.2	
NAP 701 15F	Chiller Pump Room	S1	Water Pumps	2	85	100%	413.3	-60.3	0	-5	-5	3	6	0	0	3.0	0	31.7	56
NAP 701 15F	Chiller Pump Room	S2	Exhaust Fans	1	85	100%	403.1	-60.1	0	0	0	3	0	0	0	0	0	27.9	
NAP 701 15F	Exhaust Fan Room	S3	General Exhaust Fans	5	85	100%	386.0	-59.7	0	0	0	3	0	0	0	7.0	0	35.3	
NAP 701 15F	Compressor Room	S4	Compressors	1	85	100%	386.3	-59.7	0	-5	-5	3	0	0	0	0	0	23.3	
NAP 701 15F	Compressor Room	S5	Exhaust Fans	1	85	100%	383.6	-59.7	0	0	0	3	0	0	0	0	0	28.3	
NAP 701 15F	Transformer Room	S6	Transformers	2	85	100%	383.6	-59.7	0	0	0	3	6	0	0	3.0	0	37.3	
NAP 701 15F	Transformer Room	S7	Exhaust Fans	1	85	100%	383.6	-59.7	0	0	0	3	0	0	0	0	0	28.3	
NAP 701 15F	Transferred Tank Pump Room	S8	Transferred Water Pumps	2	85	100%	383.6	-59.7	0	-10	-10	3	6	0	0	3.0	0	27.3	
NAP 701 15F	Transferred Tank Pump Room	S9	Exhaust Fans	1	85	100%	383.6	-59.7	0	-10	-10	3	0	0	0	0	0	18.3	
NAP 701 15F	Generator Room	S10	Generator (operations during power failure / maintenance)	2	85	100%	396.5	-60.0	0	0	0	3	0	0	0	3.0	0	31.0	
NAP 701 15F	Generator Room	S11	Exhaust Fans	1	85	100%	562.2	-63.0	0	0	0	3	0	0	0	0	0	25.0	
NAP 701 15F	Compressor Room	S12	Compressors	1	85	100%	388.7	-59.8	0	-5	-5	3	0	0	0	0	0	23.2	
NAP 701 15F	Compressor Room	S13	Exhaust Fans	1	85	100%	382.9	-59.7	0	0	0	3	0	0	0	0	0	28.3	
NAP 701 15F	F.S. Pump Room	S14	Water Pumps	1	85	100%	382.9	-59.7	0	-5	-5	3	6	0	0	0	0	29.3	
NAP 701 15F	F.S. Pump Room	S15	Exhaust Fans	1	85	100%	382.9	-59.7	0	0	0	3	0	0	0	0	0	28.3	
NAP 701 15F	Exhaust Fan Room	S16	General Exhaust Fans	5	85	100%	382.8	-59.7	0	0	0	3	0	0	0	7.0	0	35.3	
NAP 701 15F	PAU Room 1	S17	PAU	2	85	100%	392.9	-59.9	0	0	0	3	0	0	0	3.0	0	31.1	
NAP 701 15F	PAU Room 1	S18	Exhaust Fans	1	85	100%	392.9	-59.9	0	0	0	3	0	0	0	0	0	28.1	
NAP 701 15F	Chiller Plant Room	S19	Chiller Plant	2	85	100%	391.3	-59.9	0	0	0	3	0	0	0	3.0	0	31.1	
NAP 701 15F	Chiller Plant Room	S20	Exhaust Fans	1	85	100%	387.6	-59.8	0	0	0	3	0	0	0	0	0	28.2	
NAP 701 15F	Water Vehicle Filing and Automatic Vehicle Washing System Water Tank and Water Pump Room	S21	Water Pumps	2	85	100%	387.6	-59.8	0	-10	-10	3	6	0	0	3.0	0	27.2	
NAP 701 15F	Water Vehicle Filing and Automatic Vehicle Washing System Water Tank and Water Pump Room	S22	Exhaust Fans	1	85	100%	387.6	-59.8	0	-10	-10	3	0	0	0	0	0	18.2	
NAP 701 15F	Battery Charging Room	S23	Exhaust Fans	1	85	100%	425.4	-60.6	0	0	0	3	0	0	0	0	0	27.4	
NAP 701 15F	Exhaust Fan Room	S24	General Exhaust Fans	4	85	100%	387.3	-59.8	0	0	0	3	0	0	0	6.0	0	34.2	
NAP 701 15F	Exhaust Fan Room	S25	Welding Exhaust Fans	2	85	100%	387.3	-59.8	0	0	0	3	0	0	0	3.0	0	31.2	
NAP 701 15F	Exhaust Fan Room	S26	Exhaust Fans	3	85	100%	387.3	-59.8	0	0	0	3	0	0	0	4.8	0	33.0	
NAP 701 15F	TBE Room	S27	Exhaust Fans	1	85	100%	382.1	-59.6	0	0	0	3	0	0	0	0	0	28.4	
NAP 701 15F	PAU Room 2	S28	PAU	5	85	100%	387.1	-59.8	0	0	0	3	0	0	0	7.0	0	35.2	
NAP 701 15F	AHU Room	S29	AHU	1	85	100%	442.6	-60.9	0	-10	-10	3	0	0	0	0	0	17.1	
NAP 701 15F	Lift Machine Room	S30	Lift Machine	3	85	100%	411.4	-60.3	0	-5	-5	3	0	0	0	4.8	0	27.5	
NAP 701 15F	Lift Machine Room	S31	Exhaust Fans	1	85	100%	407.5	-60.2	0	0	0	3	0	0	0	0	0	27.8	
NAP 701 15F	Portable Flushing and Makeup Water Pump Room	S32	Water Pumps	3	85	100%	381.6	-59.6	0	-5	-5	3	6	0	0	4.8	0	34.2	
NAP 701 15F	Portable Flushing and Makeup Water Pump Room	S33	Exhaust Fans	1	85	100%	381.6	-59.6	0	0	0	3	0	0	0	0	0	28.4	
NAP 701 15F	Cooling Tower Plant Room	S34	Cooling towers	2	100	100%	381.6	-59.6	0	0	0	3	0	0	0	3.0	0	46.4	
NAP 701 15F	L1 HKPF	S36	Hand-held Pneumatic Tools	1	100	7%	405.2	-60.2	0	0	0	3	0	0	0	0	-11.8	31.0	
NAP 701 15F	L1 HKPF	S37	Hammering Activities	3	113	7%	438.4	-60.8	0	0	0	3	0	3	0	4.8	-11.8	51.2	
NAP 701 15F	FEHD	S38	Automatic Vehicle Washing Machine	1	88	27%	418.0	-60.4	0	0	0	3	0	0	0	0	-5.7	24.9	
NAP 701 15F	EMSD Dept	S39	Motorcycle Speedometer Calibrator	1	112	3%	393.1	-59.9	0	0	0	3	0	0	0	0	-14.8	40.3	
NAP 701 15F	EMSD Dept	S40	Tyre Changer	1	98	27%	388.5	-59.8	0	0	0	3	0	0	0	0	-5.7	35.5	
NAP 701 15F	EMSD Dept	S41	Hammering Activities	4	113	7%	440.4	-60.9	0	0	0	3	0	3	0	6.0	-11.8	52.4	
NAP 701 15F	EMSD Dept	S42	Hand-held Pneumatic Tools	4	100	13%	386.6	-59.7	0	0	0	3	0	0	0	6.0	-8.8	40.6	
NAP 701 15F	EMSD Dept	S43	Roller Brake Tester	1	99	5%	442.6	-60.9	0	0	0	3	0	0	0	0	-13.0	28.1	
NAP 701 15F	EMSD Dept	S44	Motorcycle Brake Tester	1	99	20%	386.6	-59.7	0	0	0	3	0	0	0	0	-7.0	35.3	
NAP 701 15F	L1 HKPF	S45	Roller Brake Tester	1	99	20%	388.1	-59.8	0	0	0	3	0	0	0	0	-7.0	35.2	
NAP 701 30F	Chiller Pump Room	S1	Water Pumps	2	85	100%	420.6	-60.5	0	-5	-5	3	6	0	0	3.0	0	31.5	56
NAP 701 30F	Chiller Pump Room	S2	Exhaust Fans	1	85	100%	410.6	-60.3	0	0	0	3	0	0	0	0	0	27.7	
NAP 701 30F	Exhaust Fan Room	S3	General Exhaust Fans	5	85	100%	393.8	-59.9	0	0	0	3	0	0	0	7.0	0	35.1	
NAP 701 30F	Compressor Room	S4	Compressors	1	85	100%	394.1	-59.9	0	-5	-5	3	0	0	0	0	0	23.1	
NAP 701 30F	Compressor Room	S5	Exhaust Fans	1	85	100%	391.5	-59.9	0	0	0	3	0	0	0	0	0	28.1	
NAP 701 30F	Transformer Room	S6	Transformers	2	85	100%	391.5	-59.9	0	0	0	3	6	0	0	3.0	0	37.1	
NAP 701 30F	Transformer Room	S7	Exhaust Fans	1	85	100%	391.5	-59.9	0	0	0	3	0	0	0	0	0	28.1	
NAP 701 30F	Transferred Tank Pump Room	S8	Transferred Water Pumps	2	85	100%	391.5	-59.9	0	-10	-10	3	6	0	0	3.0	0	27.1	
NAP 701 30F	Transferred Tank Pump Room	S9	Exhaust Fans	1	85	100%	391.5	-59.9	0	-10	-10	3	0	0	0	0	0	18.1	
NAP 701 30F	Generator Room	S10	Generator (operations during power failure / maintenance)	2	85	100%	403.3	-60.1	0	0	0	3	0	0	0	3.0	0	30.9	
NAP 701 30F	Generator Room	S11	Exhaust Fans	1	85	100%	567.5	-63.1	0	0	0	3	0	0	0	0	0	24.9	
NAP 701 30F	Compressor Room	S12	Compressors	1	85	100%	394.8	-59.9	0	-5	-5	3	0	0	0	0	0	23.1	
NAP 701 30F	Compressor Room	S13	Exhaust Fans	1	85	100%	389.1	-59.8	0	0	0	3	0	0	0	0	0	28.2	
NAP 701 30F	F.S. Pump Room	S14	Water Pumps	1	85	100%	389.1	-59.8	0	-5	-5	3	6	0	0	0	0	29.2	
NAP 701 30F	F.S. Pump Room	S15	Exhaust Fans	1	85	100%	389.1	-59.8	0	0	0	3	0	0	0	0	0	28.2	
NAP 701 30F	Exhaust Fan Room	S16	General Exhaust Fans	5	85	100%	385.7	-59.7	0	0	0	3	0	0	0	7.0	0	35.3	
NAP 701 30F	PAU Room 1	S17	PAU	2	85	100%	395.7	-59.9	0	0	0	3	0	0	0	3.0	0	31.1	
NAP 701 30F	PAU Room 1	S18	Exhaust Fans	1	85	100%	395.7	-59.9	0	0	0	3	0	0	0	0	0	28.1	
NAP 701 30F	Chiller Plant Room	S19	Chiller Plant	2	85	100%	396.5	-60.0	0	0	0	3	0	0	0	3.0	0	31.0	
NAP 701 30F	Chiller Plant Room	S20	Exhaust Fans	1	85	100%	392.9	-59.9	0	0	0	3	0	0	0	0	0	28.1	
NAP 701 30F	Water Vehicle Filing and Automatic Vehicle Washing System Water Tank and Water Pump Room	S21	Water Pumps	2	85	100%	392.9	-59.9	0	-10	-10	3	6	0	0	3.0	0	27.1	
NAP 701 30F	Water Vehicle Filing and Automatic Vehicle Washing System Water Tank and Water Pump Room	S22	Exhaust Fans	1	85	100%	392.9	-59.9	0	-10	-10	3	0	0	0	0	0	18.1	
NAP 701 30F	Battery Charging Room	S23	Exhaust Fans	1	85	100%	429.6	-60.7	0	0	0	3	0	0	0	0	0	27.3	
NAP 701 30F	Exhaust Fan Room	S24	General Exhaust Fans	4	85	100%	391.9	-59.9	0	0	0	3	0	0	0	6.0	0	34.1	
NAP 701 30F	Exhaust Fan Room	S25	Welding Exhaust Fans	2	85	100%	391.9	-59.9	0	0	0	3	0	0	0	3.0	0	31.1	
NAP 701 30F	Exhaust Fan Room	S26	Exhaust Fans	3	85	100%	391.9	-59.9	0	0	0	3	0	0	0	4.8	0	32.9	
NAP 701 30F	TBE Room	S27	Exhaust Fans	1	85	100%	386.0	-59.7	0	0	0	3	0	0	0	0	0	28.3	
NAP 701 30F	PAU Room 2	S28	PAU	5	85	100%	390.8	-59.8	0	0	0	3	0	0	0	7.0	0	35.2	
NAP 701 30F	AHU Room	S29	AHU	1	85	100%	445.9	-61.0	0	-10	-10	3	0	0	0	0	0	17.0	
NAP 701 30F	Lift Machine Room	S30	Lift Machine	3	85	100%	414.5	-60.4	0	-5	-5	3	0	0	0	4.8	0	27.4	
NAP 701 30F	Lift Machine Room	S31	Exhaust Fans	1	85	100%	410.6	-60.3	0	0	0	3	0	0	0	0	0	27.7	
NAP 701 30F	Portable Flushing and Makeup Water Pump Room	S32	Water Pumps	3	85	100%	384.9	-59.7	0	-5	-5	3	6	0	0	4.8	0	34.1	
NAP 701 30F	Portable Flushing and Makeup Water Pump Room	S33	Exhaust Fans	1	85	100%	384.9	-59.7	0	0	0	3	0	0	0	0	0	28.3	
NAP 701 30F	Cooling Tower Plant Room	S34	Cooling towers	2	100	100%	384.9	-59.7	0	0	0	3	0	0	0	3.0	0	46.3	
NAP 701 30F	L1 HKPF	S36	Hand-held Pneumatic Tools	1	100	7%	412.7	-60.3	0	0	0	3	0	0	0	0	-11.8	30.9	
NAP 701 30F	L1 HKPF	S37	Hammering Activities	3	113	7%	445.3	-61.0	0	0	0	3	0	3	0	4.8	-11.8	51.0	
NAP 701 30F	FEHD	S38	Automatic Vehicle Washing Machine	1	88	27%	422.9	-60.5	0	0	0	3	0	0	0	0	-5.7	24.8	
NAP 701 30F	EMSD Dept	S39	Motorcycle Speedometer Calibrator	1	112	3%	397.7	-60.0	0	0	0	3	0	0	0	0	-14.8	40.2	
NAP 701 30F	EMSD Dept	S40	Tyre Changer	1	98	27%	393.0	-59.9	0	0	0	3	0	0	0	0	-5.7	35.4	
NAP 701 30F	EMSD Dept	S41	Hammering Activities	4	113	7%	444.5	-61.0	0	0	0	3	0	3	0	6.0	-11.8	52.3	
NAP 701 30F	EMSD Dept	S42	Hand-held Pneumatic Tools	4	100	13%	391.2	-59.8	0	0	0	3	0	0	0	6.0	-8.8	40.5	
NAP 701 30F	EMSD Dept	S43	Roller Brake Tester	1	99	5%	446.6	-61.0	0	0	0	3	0	0	0	0	-13.0	28.0	
NAP 701 30F	EMSD Dept	S44	Motorcycle Brake Tester	1	99	20%	391.2	-59.8	0	0	0	3	0	0	0	0	-7.0	35.2	
NAP 701 30F	L1 HKPF	S45	Roller Brake Tester	1	99	20%	392.7	-59.9	0	0	0	3	0	0	0	0	-7.0	35.1	

(Night-time)

NAP ID	Room	Source ID	Identified Noise Sources	Quantity / Max concurrent works, nos.	Maximum Allowable SWL, dB(A)	Percentage on-time over 30 mins	Slant Distance, m	Distance Attenuation, dB(A)	Barrier Correction due to Surrounding Buildings, dB(A)	Barrier Correction due to Interior Structure, dB(A)	Overall Barrier Correction, dB(A)	Façade Correction, dB(A)	Correction for Tonality, dB(A)	Correction for Impulsiveness, dB(A)	Correction for Intermittency, dB(A)	Correction for Quantity, dB(A)	Percentage On-time Correction, dB(A)	Predicted Noise Level, dB(A)	Resultant SPL, Leq(30mins), dB(A)
NAP 701 1F	Chiller Pump Room	S1	Water Pumps	1	85	100%	410.8	-60.3	-10	-5	-10	3	6	0	0	0	0	23.7	48
NAP 701 1F	Chiller Pump Room	S2	Exhaust Fans	1	85	100%	400.5	-60.1	-10	0	-10	3	0	0	0	0	0	17.9	
NAP 701 1F	Exhaust Fan Room	S3	General Exhaust Fans	1	85	100%	383.3	-59.7	-10	0	-10	3	0	0	0	0	0	18.3	
NAP 701 1F	Compressor Room	S4	Compressors	0	85	0%	383.6	-59.7	-10	-5	-10	3	0	0	0	0	0	0.0	
NAP 701 1F	Compressor Room	S5	Exhaust Fans	0	85	0%	380.9	-59.6	-10	0	-10	3	0	0	0	0	0	0.0	
NAP 701 1F	Transformer Room	S6	Transformers	2	85	100%	380.9	-59.6	-10	0	-10	3	6	0	0	3.0	0	27.4	
NAP 701 1F	Transformer Room	S7	Exhaust Fans	1	85	100%	380.9	-59.6	-10	0	-10	3	0	0	0	0	0	18.4	
NAP 701 1F	Transferred Tank Pump Room	S8	Transferred Water Pumps	2	85	100%	380.9	-59.6	-10	-10	-10	3	6	0	0	3.0	0	27.4	
NAP 701 1F	Transferred Tank Pump Room	S9	Exhaust Fans	1	85	100%	380.9	-59.6	-10	-10	-10	3	0	0	0	0	0	18.4	
NAP 701 1F	Generator Room	S10	Generator (operations during power failure / maintenance)	2	85	100%	394.8	-59.9	-10	0	-10	3	0	0	0	3.0	0	21.1	
NAP 701 1F	Generator Room	S11	Exhaust Fans	1	85	100%	560.4	-63.0	0	0	0	3	0	0	0	0	0	25.0	
NAP 701 1F	Compressor Room	S12	Compressors	0	85	0%	387.6	-59.8	0	-5	-5	3	0	0	0	0	0	0.0	
NAP 701 1F	Compressor Room	S13	Exhaust Fans	0	85	0%	381.8	-59.6	0	0	0	3	0	0	0	0	0	0.0	
NAP 701 1F	F.S. Pump Room	S14	Water Pumps	1	85	100%	381.8	-59.6	0	-5	-5	3	6	0	0	0	0	29.4	
NAP 701 1F	F.S. Pump Room	S15	Exhaust Fans	1	85	100%	381.8	-59.6	0	0	0	3	0	0	0	0	0	28.4	
NAP 701 1F	Exhaust Fan Room	S16	General Exhaust Fans	2	85	100%	382.1	-59.6	0	0	0	3	0	0	0	3.0	0	31.4	
NAP 701 1F	PAU Room 1	S17	PAU	1	85	100%	392.2	-59.9	0	0	0	3	0	0	0	0	0	28.1	
NAP 701 1F	PAU Room 1	S18	Exhaust Fans	0	85	0%	392.2	-59.9	0	0	0	3	0	0	0	0	0	0.0	
NAP 701 1F	Chiller Plant Room	S19	Chiller Plant	1	85	100%	391.0	-59.8	0	0	0	3	0	0	0	0	0	28.2	
NAP 701 1F	Chiller Plant Room	S20	Exhaust Fans	1	85	100%	387.4	-59.8	0	0	0	3	0	0	0	0	0	28.2	
NAP 701 1F	Water Vehicle Filing and Automatic Vehicle Washing System Water Tank and Water Pump Room	S21	Water Pumps	2	85	100%	387.4	-59.8	0	-10	-10	3	6	0	0	3.0	0	27.2	
NAP 701 1F	Water Vehicle Filing and Automatic Vehicle Washing System Water Tank and Water Pump Room	S22	Exhaust Fans	1	85	100%	387.4	-59.8	0	-10	-10	3	0	0	0	0	0	18.2	
NAP 701 1F	Battery Charging Room	S23	Exhaust Fans	0	85	0%	425.8	-60.6	0	0	0	3	0	0	0	0	0	0.0	
NAP 701 1F	Exhaust Fan Room	S24	General Exhaust Fans	0	85	0%	387.7	-59.8	0	0	0	3	0	0	0	0	0	0.0	
NAP 701 1F	Exhaust Fan Room	S25	Welding Exhaust Fans	0	85	0%	387.7	-59.8	0	0	0	3	0	0	0	0	0	0.0	
NAP 701 1F	Exhaust Fan Room	S26	Exhaust Fans	0	85	0%	387.7	-59.8	0	0	0	3	0	0	0	0	0	0.0	
NAP 701 1F	TBE Room	S27	Exhaust Fans	0	85	0%	383.3	-59.7	0	0	0	3	0	0	0	0	0	0.0	
NAP 701 1F	PAU Room 2	S28	PAU	0	85	0%	388.2	-59.8	0	0	0	3	0	0	0	0	0	0.0	
NAP 701 1F	AHU Room	S29	AHU	0	85	0%	443.6	-60.9	0	-10	-10	3	0	0	0	0	0	0.0	
NAP 701 1F	Lift Machine Room	S30	Lift Machine	1	85	100%	413.0	-60.3	0	-5	-5	3	0	0	0	0	0	22.7	
NAP 701 1F	Lift Machine Room	S31	Exhaust Fans	1	85	100%	409.1	-60.2	0	0	0	3	0	0	0	0	0	27.8	
NAP 701 1F	Portable Flushing and Makeup Water Pump Room	S32	Water Pumps	3	85	100%	383.4	-59.7	0	-5	-5	3	6	0	0	4.8	0	34.1	
NAP 701 1F	Portable Flushing and Makeup Water Pump Room	S33	Exhaust Fans	1	85	100%	383.4	-59.7	0	0	0	3	0	0	0	0	0	28.3	
NAP 701 1F	Cooling Tower Plant Room	S34	Cooling towers	1	100	100%	383.4	-59.7	-10	0	-10	3	0	0	0	0	0	33.3	
NAP 701 1F	L1 HKPF	S36	Hand-held Pneumatic Tools	1	100	2%	402.7	-60.1	-10	0	-10	3	0	0	0	0	-17.8	15.1	
NAP 701 1F	L1 HKPF	S37	Hammering Activities	1	113	7%	436.0	-60.8	0	0	0	3	0	3	0	0	-11.8	46.4	
NAP 701 1F	FEHD	S38	Automatic Vehicle Washing Machine	1	88	27%	417.7	-60.4	0	0	0	3	0	0	0	0	-6	24.9	
NAP 701 1F	EMSD Dept	S39	Motorcycle Speedometer Calibrator	0	112	0%	393.5	-59.9	0	0	0	3	0	0	0	0	0	0.0	
NAP 701 1F	EMSD Dept	S40	Tyre Changer	0	98	0%	388.9	-59.8	0	0	0	3	0	0	0	0	0	0.0	
NAP 701 1F	EMSD Dept	S41	Hammering Activities	0	113	0%	440.8	-60.9	0	0	0	3	0	3	0	0	0	0.0	
NAP 701 1F	EMSD Dept	S42	Hand-held Pneumatic Tools	0	100	0%	387.0	-59.8	0	0	0	3	0	0	0	0	0	0.0	
NAP 701 1F	EMSD Dept	S43	Roller Brake Tester	0	99	0%	442.9	-60.9	0	0	0	3	0	0	0	0	0	0.0	
NAP 701 1F	EMSD Dept	S44	Motorcycle Brake Tester	0	99	0%	387.0	-59.8	0	0	0	3	0	0	0	0	0	0.0	
NAP 701 1F	L1 HKPF	S45	Roller Brake Tester	1	99	7%	388.5	-59.8	-10	0	-10	3	0	0	0	0	-11.8	20.4	
NAP 701 15F	Chiller Pump Room	S1	Water Pumps	1	85	100%	413.3	-60.3	0	-5	-5	3	6	0	0	0	0	28.7	49
NAP 701 15F	Chiller Pump Room	S2	Exhaust Fans	1	85	100%	403.1	-60.1	0	0	0	3	0	0	0	0	0	27.9	
NAP 701 15F	Exhaust Fan Room	S3	General Exhaust Fans	1	85	100%	386.0	-59.7	0	0	0	3	0	0	0	0	0	28.3	
NAP 701 15F	Compressor Room	S4	Compressors	0	85	0%	386.3	-59.7	0	-5	-5	3	0	0	0	0	0	0.0	
NAP 701 15F	Compressor Room	S5	Exhaust Fans	0	85	0%	383.6	-59.7	0	0	0	3	0	0	0	0	0	0.0	
NAP 701 15F	Transformer Room	S6	Transformers	2	85	100%	383.6	-59.7	0	0	0	3	6	0	0	3.0	0	37.3	
NAP 701 15F	Transformer Room	S7	Exhaust Fans	1	85	100%	383.6	-59.7	0	0	0	3	0	0	0	0	0	28.3	
NAP 701 15F	Transferred Tank Pump Room	S8	Transferred Water Pumps	2	85	100%	383.6	-59.7	0	-10	-10	3	6	0	0	3.0	0	27.3	
NAP 701 15F	Transferred Tank Pump Room	S9	Exhaust Fans	1	85	100%	383.6	-59.7	0	-10	-10	3	0	0	0	0	0	18.3	
NAP 701 15F	Generator Room	S10	Generator (operations during power failure / maintenance)	2	85	100%	396.5	-60.0	0	0	0	3	0	0	0	3.0	0	31.0	
NAP 701 15F	Generator Room	S11	Exhaust Fans	1	85	100%	562.2	-63.0	0	0	0	3	0	0	0	0	0	25.0	
NAP 701 15F	Compressor Room	S12	Compressors	0	85	0%	388.7	-59.8	0	-5	-5	3	0	0	0	0	0	0.0	
NAP 701 15F	Compressor Room	S13	Exhaust Fans	0	85	0%	382.9	-59.7	0	0	0	3	0	0	0	0	0	0.0	
NAP 701 15F	F.S. Pump Room	S14	Water Pumps	1	85	100%	382.9	-59.7	0	-5	-5	3	6	0	0	0	0	29.3	
NAP 701 15F	F.S. Pump Room	S15	Exhaust Fans	1	85	100%	382.9	-59.7	0	0	0	3	0	0	0	0	0	28.3	
NAP 701 15F	Exhaust Fan Room	S16	General Exhaust Fans	2	85	100%	382.8	-59.7	0	0	0	3	0	0	0	3.0	0	31.3	
NAP 701 15F	PAU Room 1	S17	PAU	1	85	100%	392.9	-59.9	0	0	0	3	0	0	0	0	0	28.1	
NAP 701 15F	PAU Room 1	S18	Exhaust Fans	0	85	0%	392.9	-59.9	0	0	0	3	0	0	0	0	0	0.0	
NAP 701 15F	Chiller Plant Room	S19	Chiller Plant	1	85	100%	391.3	-59.9	0	0	0	3	0	0	0	0	0	28.1	
NAP 701 15F	Chiller Plant Room	S20	Exhaust Fans	1	85	100%	387.6	-59.8	0	0	0	3	0	0	0	0	0	28.2	
NAP 701 15F	Water Vehicle Filing and Automatic Vehicle Washing System Water Tank and Water Pump Room	S21	Water Pumps	2	85	100%	387.6	-59.8	0	-10	-10	3	6	0	0	3.0	0	27.2	
NAP 701 15F	Water Vehicle Filing and Automatic Vehicle Washing System Water Tank and Water Pump Room	S22	Exhaust Fans	1	85	100%	387.6	-59.8	0	-10	-10	3	0	0	0	0	0	18.2	
NAP 701 15F	Battery Charging Room	S23	Exhaust Fans	0	85	0%	425.4	-60.6	0	0	0	3	0	0	0	0	0	0.0	
NAP 701 15F	Exhaust Fan Room	S24	General Exhaust Fans	0	85	0%	387.3	-59.8	0	0	0	3	0	0	0	0	0	0.0	
NAP 701 15F	Exhaust Fan Room	S25	Welding Exhaust Fans	0	85	0%	387.3	-59.8	0	0	0	3	0	0	0	0	0	0.0	
NAP 701 15F	Exhaust Fan Room	S26	Exhaust Fans	0	85	0%	387.3	-59.8	0	0	0	3	0	0	0	0	0	0.0	
NAP 701 15F	TBE Room	S27	Exhaust Fans	0	85	0%	382.1	-59.6	0	0	0	3	0	0	0	0	0	0.0	
NAP 701 15F	PAU Room 2	S28	PAU	0	85	0%	387.1	-59.8	0	0	0	3	0	0	0	0	0	0.0	
NAP 701 15F	AHU Room	S29	AHU	0	85	0%	442.6	-60.9	0	-10	-10	3	0	0	0	0	0	0.0	
NAP 701 15F	Lift Machine Room	S30	Lift Machine	1	85	100%	411.4	-60.3	0	-5	-5	3	0	0	0	0	0	22.7	
NAP 701 15F	Lift Machine Room	S31	Exhaust Fans	1	85	100%	407.5	-60.2	0	0	0	3	0	0	0	0	0	27.8	
NAP 701 15F	Portable Flushing and Makeup Water Pump Room	S32	Water Pumps	3	85	100%	381.6	-59.6	0	-5	-5	3	6	0	0	4.8	0	34.2	
NAP 701 15F	Portable Flushing and Makeup Water Pump Room	S33	Exhaust Fans	1	85	100%	381.6	-59.6	0	0	0	3	0	0	0	0	0	28.4	
NAP 701 15F	Cooling Tower Plant Room	S34	Cooling towers	1	100	100%	381.6	-59.6	0	0	0	3	0	0	0	0	0	43.4	
NAP 701 15F	L1 HKPF	S36	Hand-held Pneumatic Tools	1	100	2%	405.2	-60.2	0	0	0	3	0	0	0	0	-17.8	25.0	
NAP 701 15F	L1 HKPF	S37	Hammering Activities	1	113	7%	438.4	-60.8	0	0	0	3	0	3	0	0	-11.8	46.4	
NAP 701 15F	FEHD	S38	Automatic Vehicle Washing Machine	1	88	27%	418.0	-60.4	0	0	0	3	0	0	0	0	-6	24.9	
NAP 701 15F	EMSD Dept	S39	Motorcycle Speedometer Calibrator	0	112	0%	393.1	-59.9	0	0	0	3	0	0	0	0	0	0.0	
NAP 701 15F	EMSD Dept	S40	Tyre Changer	0	98	0%	388.5	-59.8	0	0	0	3	0	0	0	0	0	0.0	
NAP 701 15F	EMSD Dept	S41	Hammering Activities	0	113	0%	440.4	-60.9	0	0	0	3	0	3	0	0	0	0.0	
NAP 701 15F	EMSD Dept	S42	Hand-held Pneumatic Tools	0	100	0%	386.6	-59.7	0	0	0	3	0	0	0	0	0	0.0	
NAP 701 15F	EMSD Dept	S43	Roller Brake Tester	0	99	0%	442.6	-60.9	0	0	0	3	0	0	0	0	0	0.0	
NAP 701 15F	EMSD Dept	S44	Motorcycle Brake Tester	0	99	0%	386.6	-59.7	0	0	0	3	0	0	0	0	0	0.0	
NAP 701 15F	L1 HKPF	S45	Roller Brake Tester	1	99	7%	388.1	-59.8	0	0	0	3	0	0	0	0	-11.8	30.4	
NAP 701 30F	Chiller Pump Room	S1	Water Pumps	1	85	100%	420.6	-60.5	0	-5	-5	3	6	0	0	0	0	28.5	49
NAP 701 30F	Chiller Pump Room	S2	Exhaust Fans	1	85	100%	410.6	-60.3	0	0	0	3	0	0	0	0	0	27.7	
NAP 701 30F	Exhaust Fan Room	S3	General Exhaust Fans	1	85	100%	393.8	-59.9	0	0	0	3	0	0	0	0	0	28.1	
NAP 701 30F	Compressor Room	S4	Compressors	0	85	0%	394.1	-59.9	0	-5	-5	3	0	0	0	0	0	0.0	
NAP 701 30F	Compressor Room	S5	Exhaust Fans	0	85	0%	391.5	-59.9	0	0	0	3	0	0	0	0	0	0.0	
NAP 701 30F	Transformer Room	S6	Transformers	2	85	100%	391.5	-59.9	0	0	0	3	6	0	0	3.0	0	37.1	
NAP 701 30F	Transformer Room	S7	Exhaust Fans	1	85	100%	391.5	-59.9	0	0	0	3	0	0	0	0	0	28.1	
NAP 701 30F	Transferred Tank Pump Room	S8	Transferred Water Pumps	2	85	100%	391.5	-59.9	0	-10	-10	3	6	0	0	3.0	0	27.1	
NAP 701 30F	Transferred Tank Pump Room	S9	Exhaust Fans	1	85	100%	391.5	-59.9	0	-10	-10	3	0	0	0	0	0	18.1	
NAP 701 30F	Generator Room	S10	Generator (operations during power failure / maintenance)	2	85	100%	403.3	-60.1	0	0	0	3	0	0	0	3.0	0	30.9	
NAP 701 30F	Generator Room	S11	Exhaust Fans	1	85	100%	567.5	-63.1	0	0	0	3	0	0	0	0	0	24.9	
NAP 701 30F	Compressor Room	S12	Compressors	0	85	0%	394.8	-59.9	0	-5	-5	3	0	0	0	0	0	0.0	
NAP 701 30F	Compressor Room	S13	Exhaust Fans	0	85	0%	389.1	-59.8	0	0	0	3	0	0	0	0	0	0.0	
NAP 701 30F	F.S. Pump Room	S14	Water Pumps	1	85	100%	389.1	-59.8	0	-5	-5	3	6	0	0	0	0	29.2	
NAP 701 30F	F.S. Pump Room	S15	Exhaust Fans	1	85	100%	389.1	-59.8	0	0	0	3	0	0	0	0	0	28.2	
NAP 701 30F	Exhaust Fan Room	S16	General Exhaust Fans	2	85	100%	385.7	-59.7	0	0	0	3	0	0	0	3.0	0	31.3	
NAP 701 30F	PAU Room 1	S17	PAU	1	85	100%	395.7	-59.9	0	0	0	3	0	0	0	0	0	28.1	
NAP 701 30F	PAU Room 1	S18	Exhaust Fans	0	85	0%	395.7	-59.9	0	0	0	3	0	0	0	0	0	0.0	
NAP 701 30F	Chiller Plant Room	S19	Chiller Plant	1	85	100%	396.5	-60.0	0	0	0	3	0	0	0	0	0	28.0	
NAP 701 30F	Chiller Plant Room	S20	Exhaust Fans	1	85	100%	392.9	-59.9	0	0	0	3	0	0	0	0	0	28.1	
NAP 701 30F	Water Vehicle Filing and Automatic Vehicle Washing System Water Tank and Water Pump Room	S21	Water Pumps	2	85	100%	392.9	-59.9	0	-10	-10	3	6	0	0	3.0	0	27.1	
NAP 701 30F	Water Vehicle Filing and Automatic Vehicle Washing System Water Tank and Water Pump Room	S22	Exhaust Fans	1	85	100%	392.9	-59.9	0	-10	-10	3	0	0	0	0	0	18.1	
NAP 701 30F	Battery Charging Room	S23	Exhaust Fans	0	85	0%	429.6	-60.7	0	0	0	3	0	0	0	0	0	0.0	
NAP 701 30F	Exhaust Fan Room	S24	General Exhaust Fans	0	85	0%	391.9	-59.9	0	0	0	3	0	0	0	0	0	0.0	
NAP 701 30F	Exhaust Fan Room	S25	Welding Exhaust Fans	0	85	0%	391.9	-59.9	0	0	0	3	0	0	0	0	0	0.0	
NAP 701 30F	Exhaust Fan Room	S26	Exhaust Fans	0	85	0%	391.9	-59.9	0	0	0	3	0	0	0	0	0	0.0	
NAP 701 30F	TBE Room	S27	Exhaust Fans	0	85	0%	386.0	-59.7	0	0	0	3	0	0	0	0	0	0.0	
NAP 701 30F	PAU Room 2	S28	PAU	0	85	0%	390.8	-59.8	0	0	0	3	0	0	0	0	0	0.0	
NAP 701 30F	AHU Room	S29	AHU	0	85	0%	445.9	-61.0	0	-10	-10	3	0	0	0	0	0	0.0	
NAP 701 30F	Lift Machine Room	S30	Lift Machine	1	85	100%	414.5	-60.4	0	-5	-5	3	0	0	0	0	0	22.6	
NAP 701 30F	Lift Machine Room	S31	Exhaust Fans	1	85	100%	410.6	-60.3	0	0	0	3	0	0	0	0	0	27.7	
NAP 701 30F	Portable Flushing and Makeup Water Pump Room	S32	Water Pumps	3	85	100%	384.9	-59.7	0	-5	-5	3	6	0	0	4.8	0	34.1	
NAP 701 30F	Portable Flushing and Makeup Water Pump Room	S33	Exhaust Fans	1	85	100%	384.9	-59.7	0	0	0	3	0	0	0	0	0	28.3	
NAP 701 30F	Cooling Tower Plant Room	S34	Cooling towers	1	100	100%	384.9	-59.7	0	0	0	3	0	0	0	0	0	43.3	
NAP 701 30F	L1 HKPF	S36	Hand-held Pneumatic Tools	1	100	2%	412.7	-60.3	0	0	0	3	0	0	0	0	-17.8	24.9	
NAP 701 30F	L1 HKPF	S37	Hammering Activities	1	113	7%	445.3	-61.0	0	0	0	3	0	3	0	0	-11.8	46.2	
NAP 701 30F	FEHD	S38	Automatic Vehicle Washing Machine	1	88	27%	422.9	-60.5	0	0	0	3	0	0	0	0	-6	24.8	
NAP 701 30F	EMSD Dept	S39	Motorcycle Speedometer Calibrator	0	112	0%	397.7	-60.0	0	0	0	3	0	0	0	0	0	0.0	
NAP 701 30F	EMSD Dept	S40	Tyre Changer	0	98	0%	393.0	-59.9	0	0	0	3	0	0	0	0	0	0.0	
NAP 701 30F	EMSD Dept	S41	Hammering Activities	0	113	0%	444.5	-61.0	0	0	0	3	0	3	0	0	0	0.0	
NAP 701 30F	EMSD Dept	S42	Hand-held Pneumatic Tools	0	100	0%	391.2	-59.8	0	0	0	3	0	0	0	0	0	0.0	
NAP 701 30F	EMSD Dept	S43	Roller Brake Tester	0	99	0%	446.6	-61.0	0	0	0	3	0	0	0	0	0	0.0	
NAP 701 30F	EMSD Dept	S44	Motorcycle Brake Tester	0	99	0%	391.2	-59.8	0	0	0	3	0	0	0	0	0	0.0	
NAP 701 30F	L1 HKPF	S45	Roller Brake Tester	1	99	7%	392.7	-59.9	0	0	0	3	0	0	0	0	-11.8	30.3	

(Day / Evening Time)

NAP ID	Room	Source ID	Identified Noise Sources	Quantity / Max concurrent works, nos.	Maximum Allowable SWL, dB(A)	Percentage on-time over 30 mins	Slant Distance, m	Distance Attenuation, dB(A)	Barrier Correction due to Surrounding Buildings, dB(A)	Barrier Correction due to Interior Structure, dB(A)	Overall Barrier Correction, dB(A)	Façade Correction, dB(A)	Correction for Tonality, dB(A)	Correction for Impulsiveness, dB(A)	Correction for Intermittency, dB(A)	Correction for Quantity, dB(A)	Percentage On-time Correction, dB(A)	Predicted Noise Level, dB(A)	Resultant SPL, Leq(30mins), dB(A)
NAP 801 5F	Chiller Pump Room	S1	Water Pumps	2	85	100%	237.9	-55.5	0	-5	-5	3	6	0	0	3.0	0	36.5	61
NAP 801 5F	Chiller Pump Room	S2	Exhaust Fans	1	85	100%	227.7	-55.1	0	0	0	3	0	0	0	0	0	32.9	
NAP 801 5F	Exhaust Fan Room	S3	General Exhaust Fans	5	85	100%	211.4	-54.5	0	0	0	3	0	0	0	7.0	0	40.5	
NAP 801 5F	Compressor Room	S4	Compressors	1	85	100%	214.0	-54.6	0	-5	-5	3	0	0	0	0	0	28.4	
NAP 801 5F	Compressor Room	S5	Exhaust Fans	1	85	100%	212.1	-54.5	0	0	0	3	0	0	0	0	0	33.5	
NAP 801 5F	Transformer Room	S6	Transformers	2	85	100%	212.1	-54.5	0	0	0	3	6	0	0	3.0	0	42.5	
NAP 801 5F	Transformer Room	S7	Exhaust Fans	1	85	100%	212.1	-54.5	0	0	0	3	0	0	0	0	0	33.5	
NAP 801 5F	Transferred Tank Pump Room	S8	Transferred Water Pumps	2	85	100%	212.1	-54.5	0	-10	-10	3	6	0	0	3.0	0	32.5	
NAP 801 5F	Transferred Tank Pump Room	S9	Exhaust Fans	1	85	100%	212.1	-54.5	0	-10	-10	3	0	0	0	0	0	23.5	
NAP 801 5F	Generator Room	S10	Generator (operations during power failure / maintenance)	2	85	100%	227.8	-55.2	0	0	0	3	0	0	0	3.0	0	35.8	
NAP 801 5F	Generator Room	S11	Exhaust Fans	1	85	100%	319.8	-58.1	0	0	0	3	0	0	0	0	0	29.9	
NAP 801 5F	Compressor Room	S12	Compressors	1	85	100%	215.3	-54.7	0	-5	-5	3	0	0	0	0	0	28.3	
NAP 801 5F	Compressor Room	S13	Exhaust Fans	1	85	100%	209.2	-54.4	0	0	0	3	0	0	0	0	0	33.6	
NAP 801 5F	F.S. Pump Room	S14	Water Pumps	1	85	100%	209.2	-54.4	0	-5	-5	3	6	0	0	0	0	34.6	
NAP 801 5F	F.S. Pump Room	S15	Exhaust Fans	1	85	100%	209.2	-54.4	0	0	0	3	0	0	0	0	0	33.6	
NAP 801 5F	Exhaust Fan Room	S16	General Exhaust Fans	5	85	100%	209.6	-54.4	0	0	0	3	0	0	0	7.0	0	40.6	
NAP 801 5F	PAU Room 1	S17	PAU	2	85	100%	224.6	-55.0	0	0	0	3	0	0	0	3.0	0	36.0	
NAP 801 5F	PAU Room 1	S18	Exhaust Fans	1	85	100%	224.6	-55.0	0	0	0	3	0	0	0	0	0	33.0	
NAP 801 5F	Chiller Plant Room	S19	Chiller Plant	2	85	100%	223.0	-55.0	0	0	0	3	0	0	0	3.0	0	36.0	
NAP 801 5F	Chiller Plant Room	S20	Exhaust Fans	1	85	100%	220.0	-54.8	0	0	0	3	0	0	0	0	0	33.2	
NAP 801 5F	Water Vehicle Filing and Automatic Vehicle Washing System Water Tank and Water Pump Room	S21	Water Pumps	2	85	100%	220.0	-54.8	0	-10	-10	3	6	0	0	3.0	0	32.2	
NAP 801 5F	Water Vehicle Filing and Automatic Vehicle Washing System Water Tank and Water Pump Room	S22	Exhaust Fans	1	85	100%	220.0	-54.8	0	-10	-10	3	0	0	0	0	0	23.2	
NAP 801 5F	Battery Charging Room	S23	Exhaust Fans	1	85	100%	251.1	-56.0	0	0	0	3	0	0	0	0	0	32.0	
NAP 801 5F	Exhaust Fan Room	S24	General Exhaust Fans	4	85	100%	220.1	-54.9	0	0	0	3	0	0	0	6.0	0	39.1	
NAP 801 5F	Exhaust Fan Room	S25	Welding Exhaust Fans	2	85	100%	220.1	-54.9	0	0	0	3	0	0	0	3.0	0	36.1	
NAP 801 5F	Exhaust Fan Room	S26	Exhaust Fans	3	85	100%	220.1	-54.9	0	0	0	3	0	0	0	4.8	0	37.9	
NAP 801 5F	TBE Room	S27	Exhaust Fans	1	85	100%	210.0	-54.4	0	0	0	3	0	0	0	0	0	33.6	
NAP 801 5F	PAU Room 2	S28	PAU	5	85	100%	220.4	-54.9	0	0	0	3	0	0	0	7.0	0	40.1	
NAP 801 5F	AHU Room	S29	AHU	1	85	100%	274.0	-56.8	0	-10	-10	3	0	0	0	0	0	21.2	
NAP 801 5F	Lift Machine Room	S30	Lift Machine	3	85	100%	238.1	-55.5	0	-5	-5	3	0	0	0	4.8	0	32.3	
NAP 801 5F	Lift Machine Room	S31	Exhaust Fans	1	85	100%	234.2	-55.4	0	0	0	3	0	0	0	0	0	32.6	
NAP 801 5F	Portable Flushing and Makeup Water Pump Room	S32	Water Pumps	3	85	100%	209.8	-54.4	0	-5	-5	3	6	0	0	4.8	0	39.4	
NAP 801 5F	Portable Flushing and Makeup Water Pump Room	S33	Exhaust Fans	1	85	100%	209.8	-54.4	0	0	0	3	0	0	0	0	0	33.6	
NAP 801 5F	Cooling Tower Plant Room	S34	Cooling towers	2	100	100%	209.8	-54.4	0	0	0	3	0	0	0	3.0	0	51.6	
NAP 801 5F	L1 HKPF	S36	Hand-held Pneumatic Tools	1	100	7%	230.6	-55.3	0	0	0	3	0	0	0	0	-11.8	35.9	
NAP 801 5F	L1 HKPF	S37	Hammering Activities	3	113	7%	266.9	-56.5	0	0	0	3	0	3	0	4.8	-11.8	55.5	
NAP 801 5F	FEHD	S38	Automatic Vehicle Washing Machine	1	88	27%	245.5	-55.8	0	0	0	3	0	0	0	0	-5.7	29.5	
NAP 801 5F	EMSD Dept	S39	Motorcycle Speedometer Calibrator	1	112	3%	223.2	-55.0	0	0	0	3	0	0	0	0	-14.8	45.2	
NAP 801 5F	EMSD Dept	S40	Tyre Changer	1	98	27%	214.7	-54.6	0	0	0	3	0	0	0	0	-5.7	40.7	
NAP 801 5F	EMSD Dept	S41	Hammering Activities	4	113	7%	268.8	-56.6	0	0	0	3	0	3	0	6.0	-11.8	56.7	
NAP 801 5F	EMSD Dept	S42	Hand-held Pneumatic Tools	4	100	13%	213.9	-54.6	0	0	0	3	0	0	0	6.0	-8.8	45.7	
NAP 801 5F	EMSD Dept	S43	Roller Brake Tester	1	99	5%	268.9	-56.6	0	0	0	3	0	0	0	0	-13.0	32.4	
NAP 801 5F	EMSD Dept	S44	Motorcycle Brake Tester	1	99	20%	213.9	-54.6	0	0	0	3	0	0	0	0	-7.0	40.4	
NAP 801 5F	L1 HKPF	S45	Roller Brake Tester	1	99	20%	214.1	-54.6	0	0	0	3	0	0	0	0	-7.0	40.4	
NAP 8019F	Chiller Pump Room	S1	Water Pumps	2	85	100%	240.0	-55.6	0	-5	-5	3	6	0	0	3.0	0	36.4	61
NAP 8019F	Chiller Pump Room	S2	Exhaust Fans	1	85	100%	229.9	-55.2	0	0	0	3	0	0	0	0	0	32.8	
NAP 8019F	Exhaust Fan Room	S3	General Exhaust Fans	5	85	100%	213.8	-54.6	0	0	0	3	0	0	0	7.0	0	40.4	
NAP 8019F	Compressor Room	S4	Compressors	1	85	100%	216.4	-54.7	0	-5	-5	3	0	0	0	0	0	28.3	
NAP 8019F	Compressor Room	S5	Exhaust Fans	1	85	100%	214.5	-54.6	0	0	0	3	0	0	0	0	0	33.4	
NAP 8019F	Transformer Room	S6	Transformers	2	85	100%	214.5	-54.6	0	0	0	3	6	0	0	3.0	0	42.4	
NAP 8019F	Transformer Room	S7	Exhaust Fans	1	85	100%	214.5	-54.6	0	0	0	3	0	0	0	0	0	33.4	
NAP 8019F	Transferred Tank Pump Room	S8	Transferred Water Pumps	2	85	100%	214.5	-54.6	0	-10	-10	3	6	0	0	3.0	0	32.4	
NAP 8019F	Transferred Tank Pump Room	S9	Exhaust Fans	1	85	100%	214.5	-54.6	0	-10	-10	3	0	0	0	0	0	23.4	
NAP 8019F	Generator Room	S10	Generator (operations during power failure / maintenance)	2	85	100%	229.5	-55.2	0	0	0	3	0	0	0	3.0	0	35.8	
NAP 8019F	Generator Room	S11	Exhaust Fans	1	85	100%	321.3	-58.1	0	0	0	3	0	0	0	0	0	29.9	
NAP 8019F	Compressor Room	S12	Compressors	1	85	100%	216.6	-54.7	0	-5	-5	3	0	0	0	0	0	28.3	
NAP 8019F	Compressor Room	S13	Exhaust Fans	1	85	100%	210.4	-54.5	0	0	0	3	0	0	0	0	0	33.5	
NAP 8019F	F.S. Pump Room	S14	Water Pumps	1	85	100%	210.4	-54.5	0	-5	-5	3	6	0	0	0	0	34.5	
NAP 8019F	F.S. Pump Room	S15	Exhaust Fans	1	85	100%	210.4	-54.5	0	0	0	3	0	0	0	0	0	33.5	
NAP 8019F	Exhaust Fan Room	S16	General Exhaust Fans	5	85	100%	210.5	-54.5	0	0	0	3	0	0	0	7.0	0	40.5	
NAP 8019F	PAU Room 1	S17	PAU	2	85	100%	225.6	-55.1	0	0	0	3	0	0	0	3.0	0	35.9	
NAP 8019F	PAU Room 1	S18	Exhaust Fans	1	85	100%	225.6	-55.1	0	0	0	3	0	0	0	0	0	32.9	
NAP 8019F	Chiller Plant Room	S19	Chiller Plant	2	85	100%	223.7	-55.0	0	0	0	3	0	0	0	3.0	0	36.0	
NAP 8019F	Chiller Plant Room	S20	Exhaust Fans	1	85	100%	220.6	-54.9	0	0	0	3	0	0	0	0	0	33.1	
NAP 8019F	Water Vehicle Filing and Automatic Vehicle Washing System Water Tank and Water Pump Room	S21	Water Pumps	2	85	100%	220.6	-54.9	0	-10	-10	3	6	0	0	3.0	0	32.1	
NAP 8019F	Water Vehicle Filing and Automatic Vehicle Washing System Water Tank and Water Pump Room	S22	Exhaust Fans	1	85	100%	220.6	-54.9	0	-10	-10	3	0	0	0	0	0	23.1	
NAP 8019F	Battery Charging Room	S23	Exhaust Fans	1	85	100%	251.3	-56.0	0	0	0	3	0	0	0	0	0	32.0	
NAP 8019F	Exhaust Fan Room	S24	General Exhaust Fans	4	85	100%	220.3	-54.9	0	0	0	3	0	0	0	6.0	0	39.1	
NAP 8019F	Exhaust Fan Room	S25	Welding Exhaust Fans	2	85	100%	220.3	-54.9	0	0	0	3	0	0	0	3.0	0	36.1	
NAP 8019F	Exhaust Fan Room	S26	Exhaust Fans	3	85	100%	220.3	-54.9	0	0	0	3	0	0	0	4.8	0	37.9	
NAP 8019F	TBE Room	S27	Exhaust Fans	1	85	100%	209.6	-54.4	0	0	0	3	0	0	0	0	0	33.6	
NAP 8019F	PAU Room 2	S28	PAU	5	85	100%	220.0	-54.8	0	0	0	3	0	0	0	7.0	0	40.2	
NAP 8019F	AHU Room	S29	AHU	1	85	100%	273.7	-56.7	0	-10	-10	3	0	0	0	0	0	21.3	
NAP 8019F	Lift Machine Room	S30	Lift Machine	3	85	100%	237.4	-55.5	0	-5	-5	3	0	0	0	4.8	0	32.3	
NAP 8019F	Lift Machine Room	S31	Exhaust Fans	1	85	100%	233.5	-55.4	0	0	0	3	0	0	0	0	0	32.6	
NAP 8019F	Portable Flushing and Makeup Water Pump Room	S32	Water Pumps	3	85	100%	209.0	-54.4	0	-5	-5	3	6	0	0	4.8	0	39.4	
NAP 8019F	Portable Flushing and Makeup Water Pump Room	S33	Exhaust Fans	1	85	100%	209.0	-54.4	0	0	0	3	0	0	0	0	0	33.6	
NAP 8019F	Cooling Tower Plant Room	S34	Cooling towers	2	100	100%	209.0	-54.4	0	0	0	3	0	0	0	3.0	0	51.6	
NAP 8019F	L1 HKPF	S36	Hand-held Pneumatic Tools	1	100	7%	232.8	-55.3	0	0	0	3	0	0	0	0	-11.8	35.9	
NAP 8019F	L1 HKPF	S37	Hammering Activities	3	113	7%	268.8	-56.6	0	0	0	3	0	3	0	4.8	-11.8	55.4	
NAP 8019F	FEHD	S38	Automatic Vehicle Washing Machine	1	88	27%	246.1	-55.8	0	0	0	3	0	0	0	0	-5.7	29.5	
NAP 8019F	EMSD Dept	S39	Motorcycle Speedometer Calibrator	1	112	3%	223.4	-55.0	0	0	0	3	0	0	0	0	-14.8	45.2	
NAP 8019F	EMSD Dept	S40	Tyre Changer	1	98	27%	214.9	-54.6	0	0	0	3	0	0	0	0	-5.7	40.7	
NAP 8019F	EMSD Dept	S41	Hammering Activities	4	113	7%	268.9	-56.6	0	0	0	3	0	3	0	6.0	-11.8	56.7	
NAP 8019F	EMSD Dept	S42	Hand-held Pneumatic Tools	4	100	13%	214.1	-54.6	0	0	0	3	0	0	0	6.0	-8.8	45.7	
NAP 8019F	EMSD Dept	S43	Roller Brake Tester	1	99	5%	269.0	-56.6	0	0	0	3	0	0	0	0	-13.0	32.4	
NAP 8019F	EMSD Dept	S44	Motorcycle Brake Tester	1	99	20%	214.1	-54.6	0	0	0	3	0	0	0	0	-7.0	40.4	
NAP 8019F	L1 HKPF	S45	Roller Brake Tester	1	99	20%	214.3	-54.6	0	0	0	3	0	0	0	0	-7.0	40.4	
NAP 80113F	Chiller Pump Room	S1	Water Pumps	2	85	100%	243.2	-55.7	0	-5	-5	3	6	0	0	3.0	0	36.3	61
NAP 80113F	Chiller Pump Room	S2	Exhaust Fans	1	85	100%	233.2	-55.4	0	0	0	3	0	0	0	0	0	32.6	
NAP 80113F	Exhaust Fan Room	S3	General Exhaust Fans	5	85	100%	217.4	-54.7	0	0	0	3	0	0	0	7.0	0	40.3	
NAP 80113F	Compressor Room	S4	Compressors	1	85	100%	219.9	-54.8	0	-5	-5	3	0	0	0	0	0	28.2	
NAP 80113F	Compressor Room	S5	Exhaust Fans	1	85	100%	218.1	-54.8	0	0	0	3	0	0	0	0	0	33.2	
NAP 80113F	Transformer Room	S6	Transformers	2	85	100%	218.1	-54.8	0	0	0	3	6	0	0	3.0	0	42.2	
NAP 80113F	Transformer Room	S7	Exhaust Fans	1	85	100%	218.1	-54.8	0	0	0	3	0	0	0	0	0	33.2	
NAP 80113F	Transferred Tank Pump Room	S8	Transferred Water Pumps	2	85	100%	218.1	-54.8	0	-10	-10	3	6	0	0	3.0	0	32.2	
NAP 80113F	Transferred Tank Pump Room	S9	Exhaust Fans	1	85	100%	218.1	-54.8	0	-10	-10	3	0	0	0	0	0	23.2	
NAP 80113F	Generator Room	S10	Generator (operations during power failure / maintenance)	2	85	100%	232.3	-55.3	0	0	0	3	0	0	0	3.0	0	35.7	
NAP 80113F	Generator Room	S11	Exhaust Fans	1	85	100%	323.6	-58.2	0	0	0	3	0	0	0	0	0	29.8	
NAP 80113F	Compressor Room	S12	Compressors	1	85	100%	219.1	-54.8	0	-5	-5	3	0	0	0	0	0	28.2	
NAP 80113F	Compressor Room	S13	Exhaust Fans	1	85	100%	213.0	-54.6	0	0	0	3	0	0	0	0	0	33.4	
NAP 80113F	F.S. Pump Room	S14	Water Pumps	1	85	100%	213.0	-54.6	0	-5	-5	3	6	0	0	0	0	34.4	
NAP 80113F	F.S. Pump Room	S15	Exhaust Fans	1	85	100%	213.0	-54.6	0	0	0	3	0	0	0	0	0	33.4	
NAP 80113F	Exhaust Fan Room	S16	General Exhaust Fans	5	85	100%	212.8	-54.6	0	0	0	3	0	0	0	7.0	0	40.4	
NAP 80113F	PAU Room 1	S17	PAU	2	85	100%	227.7	-55.1	0	0	0	3	0	0	0	3.0	0	35.9	
NAP 80113F	PAU Room 1	S18	Exhaust Fans	1	85	100%	227.7	-55.1	0	0	0	3	0	0	0	0	0	32.9	
NAP 80113F	Chiller Plant Room	S19	Chiller Plant	2	85	100%	225.5	-55.1	0	0	0	3	0	0	0	3.0	0	35.9	
NAP 80113F	Chiller Plant Room	S20	Exhaust Fans	1	85	100%	222.5	-54.9	0	0	0	3	0	0	0	0	0	33.1	
NAP 80113F	Water Vehicle Filing and Automatic Vehicle Washing System Water Tank and Water Pump Room	S21	Water Pumps	2	85	100%	222.5	-54.9	0	-10	-10	3	6	0	0	3.0	0	32.1	
NAP 80113F	Water Vehicle Filing and Automatic Vehicle Washing System Water Tank and Water Pump Room	S22	Exhaust Fans	1	85	100%	222.5	-54.9	0	-10	-10	3	0	0	0	0	0	23.1	
NAP 80113F	Battery Charging Room	S23	Exhaust Fans	1	85	100%	252.5	-56.0	0	0	0	3	0	0	0	0	0	32.0	
NAP 80113F	Exhaust Fan Room	S24	General Exhaust Fans	4	85	100%	221.7	-54.9	0	0	0	3	0	0	0	6.0	0	39.1	
NAP 80113F	Exhaust Fan Room	S25	Welding Exhaust Fans	2	85	100%	221.7	-54.9	0	0	0	3	0	0	0	3.0	0	36.1	
NAP 80113F	Exhaust Fan Room	S26	Exhaust Fans	3	85	100%	221.7	-54.9	0	0	0	3	0	0	0	4.8	0	37.9	
NAP 80113F	TBE Room	S27	Exhaust Fans	1	85	100%	210.6	-54.5	0	0	0	3	0	0	0	0	0	33.5	
NAP 80113F	PAU Room 2	S28	PAU	5	85	100%	220.9	-54.9	0	0	0	3	0	0	0	7.0	0	40.1	
NAP 80113F	AHU Room	S29	AHU	1	85	100%	274.4	-56.8	0	-10	-10	3	0	0	0	0	0	21.2	
NAP 80113F	Lift Machine Room	S30	Lift Machine	3	85	100%	237.9	-55.5	0	-5	-5	3	0	0	0	4.8	0	32.3	
NAP 80113F	Lift Machine Room	S31	Exhaust Fans	1	85	100%	234.0	-55.4	0	0	0	3	0	0	0	0	0	32.6	
NAP 80113F	Portable Flushing and Makeup Water Pump Room	S32	Water Pumps	3	85	100%	209.6	-54.4	0	-5	-5	3	6	0	0	4.8	0	39.4	
NAP 80113F	Portable Flushing and Makeup Water Pump Room	S33	Exhaust Fans	1	85	100%	209.6	-54.4	0	0	0	3	0	0	0	0	0	33.6	
NAP 80113F	Cooling Tower Plant Room	S34	Cooling towers	2	100	100%	209.6	-54.4	0	0	0	3	0	0	0	3.0	0	51.6	
NAP 80113F	L1 HKPF	S36	Hand-held Pneumatic Tools	1	100	7%	236.1	-55.5	0	0	0	3	0	0	0	0	-11.8	35.7	
NAP 80113F	L1 HKPF	S37	Hammering Activities	3	113	7%	271.7	-56.7	0	0	0	3	0	3	0	4.8	-11.8	55.3	
NAP 80113F	FEHD	S38	Automatic Vehicle Washing Machine	1	88	27%	247.7	-55.9	0	0	0	3	0	0	0	0	-5.7	29.4	
NAP 80113F	EMSD Dept	S39	Motorcycle Speedometer Calibrator	1	112	3%	224.8	-55.0	0	0	0	3	0	0	0	0	-14.8	45.2	
NAP 80113F	EMSD Dept	S40	Tyre Changer	1	98	27%	216.3	-54.7	0	0	0	3	0	0	0	0	-5.7	40.6	
NAP 80113F	EMSD Dept	S41	Hammering Activities	4	113	7%	270.1	-56.6	0	0	0	3	0	3	0	6.0	-11.8	56.7	
NAP 80113F	EMSD Dept	S42	Hand-held Pneumatic Tools	4	100	13%	215.6	-54.7	0	0	0	3	0	0	0	6.0	-8.8	45.6	
NAP 80113F	EMSD Dept	S43	Roller Brake Tester	1	99	5%	270.2	-56.6	0	0	0	3	0	0	0	0	-13.0	32.4	
NAP 80113F	EMSD Dept	S44	Motorcycle Brake Tester	1	99	20%	215.6	-54.7	0	0	0	3	0	0	0	0	-7.0	40.3	
NAP 80113F	L1 HKPF	S45	Roller Brake Tester	1	99	20%	215.7	-54.7	0	0	0	3	0	0	0	0	-7.0	40.3	

(Day / Evening Time)

NAP ID	Room	Source ID	Identified Noise Sources	Quantity / Max concurrent works, nos.	Maximum Allowable SWL, dB(A)	Percentage on-time over 30 mins	Slant Distance, m	Distance Attenuation, dB(A)	Barrier Correction due to Surrounding Buildings, dB(A)	Barrier Correction due to Interior Structure, dB(A)	Overall Barrier Correction, dB(A)	Façade Correction, dB(A)	Correction for Tonality, dB(A)	Correction for Impulsiveness, dB(A)	Correction for Intermittency, dB(A)	Correction for Quantity, dB(A)	Percentage On-time Correction, dB(A)	Predicted Noise Level, dB(A)	Resultant SPL, Leq(30mins), dB(A)
NAP 802 5F	Chiller Pump Room	S1	Water Pumps	2	85	100%	292.0	-57.3	-10	0	-10	3	6	0	0	3.0	0	29.7	49
NAP 802 5F	Chiller Pump Room	S2	Exhaust Fans	1	85	100%	281.8	-57.0	-10	0	-10	3	0	0	0	0	0	21.0	
NAP 802 5F	Exhaust Fan Room	S3	General Exhaust Fans	5	85	100%	264.9	-56.5	-10	0	-10	3	0	0	0	7.0	0	28.5	
NAP 802 5F	Compressor Room	S4	Compressors	1	85	100%	266.3	-56.5	-10	0	-10	3	0	0	0	0	0	21.5	
NAP 802 5F	Compressor Room	S5	Exhaust Fans	1	85	100%	264.0	-56.4	-10	0	-10	3	0	0	0	0	0	21.6	
NAP 802 5F	Transformer Room	S6	Transformers	2	85	100%	264.0	-56.4	-10	0	-10	3	6	0	0	3.0	0	30.6	
NAP 802 5F	Transformer Room	S7	Exhaust Fans	1	85	100%	264.0	-56.4	-10	0	-10	3	0	0	0	0	0	21.6	
NAP 802 5F	Transferred Tank Pump Room	S8	Transferred Water Pumps	2	85	100%	264.0	-56.4	-10	0	-10	3	6	0	0	3.0	0	30.6	
NAP 802 5F	Transferred Tank Pump Room	S9	Exhaust Fans	1	85	100%	264.0	-56.4	-10	0	-10	3	0	0	0	0	0	21.6	
NAP 802 5F	Generator Room	S10	Generator (operations during power failure / maintenance)	2	85	100%	278.6	-56.9	-10	0	-10	3	0	0	0	3.0	0	24.1	
NAP 802 5F	Generator Room	S11	Exhaust Fans	1	85	100%	394.0	-59.9	-10	0	-10	3	0	0	0	0	0	18.1	
NAP 802 5F	Compressor Room	S12	Compressors	1	85	100%	268.6	-56.6	-10	0	-10	3	0	0	0	0	0	21.4	
NAP 802 5F	Compressor Room	S13	Exhaust Fans	1	85	100%	262.6	-56.4	-10	0	-10	3	0	0	0	0	0	21.6	
NAP 802 5F	F.S. Pump Room	S14	Water Pumps	1	85	100%	262.6	-56.4	-10	0	-10	3	6	0	0	0	0	27.6	
NAP 802 5F	F.S. Pump Room	S15	Exhaust Fans	1	85	100%	262.6	-56.4	-10	0	-10	3	0	0	0	0	0	21.6	
NAP 802 5F	Exhaust Fan Room	S16	General Exhaust Fans	5	85	100%	262.9	-56.4	-10	0	-10	3	0	0	0	7.0	0	28.6	
NAP 802 5F	PAU Room 1	S17	PAU	2	85	100%	275.4	-56.8	-10	0	-10	3	0	0	0	3.0	0	24.2	
NAP 802 5F	PAU Room 1	S18	Exhaust Fans	1	85	100%	275.4	-56.8	-10	0	-10	3	0	0	0	0	0	21.2	
NAP 802 5F	Chiller Plant Room	S19	Chiller Plant	2	85	100%	273.9	-56.8	-10	0	-10	3	0	0	0	3.0	0	24.2	
NAP 802 5F	Chiller Plant Room	S20	Exhaust Fans	1	85	100%	270.6	-56.6	-10	0	-10	3	0	0	0	0	0	21.4	
NAP 802 5F	Water Vehicle Filing and Automatic Vehicle Washing System Water Tank and Water Pump Room	S21	Water Pumps	2	85	100%	270.6	-56.6	-10	0	-10	3	6	0	0	3.0	0	30.4	
NAP 802 5F	Water Vehicle Filing and Automatic Vehicle Washing System Water Tank and Water Pump Room	S22	Exhaust Fans	1	85	100%	270.6	-56.6	-10	0	-10	3	0	0	0	0	0	21.4	
NAP 802 5F	Battery Charging Room	S23	Exhaust Fans	1	85	100%	305.6	-57.7	-10	0	-10	3	0	0	0	0	0	20.3	
NAP 802 5F	Exhaust Fan Room	S24	General Exhaust Fans	4	85	100%	270.6	-56.6	-10	0	-10	3	0	0	0	6.0	0	27.4	
NAP 802 5F	Exhaust Fan Room	S25	Welding Exhaust Fans	2	85	100%	270.6	-56.6	-10	0	-10	3	0	0	0	3.0	0	24.4	
NAP 802 5F	Exhaust Fan Room	S26	Exhaust Fans	3	85	100%	270.6	-56.6	-10	0	-10	3	0	0	0	4.8	0	26.2	
NAP 802 5F	TBE Room	S27	Exhaust Fans	1	85	100%	263.4	-56.4	-10	0	-10	3	0	0	0	0	0	21.6	
NAP 802 5F	PAU Room 2	S28	PAU	5	85	100%	270.9	-56.7	-10	0	-10	3	0	0	0	7.0	0	28.3	
NAP 802 5F	AHU Room	S29	AHU	1	85	100%	325.6	-58.3	-10	0	-10	3	0	0	0	0	0	19.7	
NAP 802 5F	Lift Machine Room	S30	Lift Machine	3	85	100%	292.4	-57.3	-10	0	-10	3	0	0	0	4.8	0	25.5	
NAP 802 5F	Lift Machine Room	S31	Exhaust Fans	1	85	100%	288.5	-57.2	-10	0	-10	3	0	0	0	0	0	20.8	
NAP 802 5F	Portable Flushing and Makeup Water Pump Room	S32	Water Pumps	3	85	100%	263.2	-56.4	-10	0	-10	3	6	0	0	4.8	0	32.4	
NAP 802 5F	Portable Flushing and Makeup Water Pump Room	S33	Exhaust Fans	1	85	100%	263.2	-56.4	-10	0	-10	3	0	0	0	0	0	21.6	
NAP 802 5F	Cooling Tower Plant Room	S34	Cooling towers	2	100	100%	263.2	-56.4	-10	0	-10	3	0	0	0	3.0	0	39.6	
NAP 802 5F	L1 HKPF	S36	Hand-held Pneumatic Tools	1	100	7%	284.2	-57.1	-10	0	-10	3	0	0	0	0	-11.8	24.1	
NAP 802 5F	L1 HKPF	S37	Hammering Activities	3	113	7%	319.0	-58.1	-10	0	-10	3	0	3	0	4.8	-11.8	43.9	
NAP 802 5F	FEHD	S38	Automatic Vehicle Washing Machine	1	88	27%	298.6	-57.5	-10	0	-10	3	0	0	0	0	-5.7	17.8	
NAP 802 5F	EMSD Dept	S39	Motorcycle Speedometer Calibrator	1	112	3%	275.1	-56.8	-10	0	-10	3	0	0	0	0	-14.8	33.4	
NAP 802 5F	EMSD Dept	S40	Tyre Changer	1	98	27%	268.7	-56.6	-10	0	-10	3	0	0	0	0	-5.7	28.7	
NAP 802 5F	EMSD Dept	S41	Hammering Activities	4	113	7%	321.7	-58.1	-10	0	-10	3	0	3	0	6.0	-11.8	45.2	
NAP 802 5F	EMSD Dept	S42	Hand-held Pneumatic Tools	4	100	13%	267.3	-56.5	-10	0	-10	3	0	0	0	6.0	-8.8	33.8	
NAP 802 5F	EMSD Dept	S43	Roller Brake Tester	1	99	5%	322.9	-58.2	-10	0	-10	3	0	0	0	0	-13.0	20.8	
NAP 802 5F	EMSD Dept	S44	Motorcycle Brake Tester	1	99	20%	267.3	-56.5	-10	0	-10	3	0	0	0	0	-7.0	28.5	
NAP 802 5F	L1 HKPF	S45	Roller Brake Tester	1	99	20%	268.3	-56.6	-10	0	-10	3	0	0	0	0	-7.0	28.4	
NAP 8029F	Chiller Pump Room	S1	Water Pumps	2	85	100%	293.8	-57.4	-10	0	-10	3	6	0	0	3.0	0	29.6	49
NAP 8029F	Chiller Pump Room	S2	Exhaust Fans	1	85	100%	283.6	-57.1	-10	0	-10	3	0	0	0	0	0	20.9	
NAP 8029F	Exhaust Fan Room	S3	General Exhaust Fans	5	85	100%	266.8	-56.5	-10	0	-10	3	0	0	0	7.0	0	28.5	
NAP 8029F	Compressor Room	S4	Compressors	1	85	100%	268.2	-56.6	-10	0	-10	3	0	0	0	0	0	21.4	
NAP 8029F	Compressor Room	S5	Exhaust Fans	1	85	100%	265.9	-56.5	-10	0	-10	3	0	0	0	0	0	21.5	
NAP 8029F	Transformer Room	S6	Transformers	2	85	100%	265.9	-56.5	-10	0	-10	3	6	0	0	3.0	0	30.5	
NAP 8029F	Transformer Room	S7	Exhaust Fans	1	85	100%	265.9	-56.5	-10	0	-10	3	0	0	0	0	0	21.5	
NAP 8029F	Transferred Tank Pump Room	S8	Transferred Water Pumps	2	85	100%	265.9	-56.5	-10	0	-10	3	6	0	0	3.0	0	30.5	
NAP 8029F	Transferred Tank Pump Room	S9	Exhaust Fans	1	85	100%	265.9	-56.5	-10	0	-10	3	0	0	0	0	0	21.5	
NAP 8029F	Generator Room	S10	Generator (operations during power failure / maintenance)	2	85	100%	279.9	-56.9	-10	0	-10	3	0	0	0	3.0	0	24.1	
NAP 8029F	Generator Room	S11	Exhaust Fans	1	85	100%	395.3	-59.9	-10	0	-10	3	0	0	0	0	0	18.1	
NAP 8029F	Compressor Room	S12	Compressors	1	85	100%	269.6	-56.6	-10	0	-10	3	0	0	0	0	0	21.4	
NAP 8029F	Compressor Room	S13	Exhaust Fans	1	85	100%	263.7	-56.4	-10	0	-10	3	0	0	0	0	0	21.6	
NAP 8029F	F.S. Pump Room	S14	Water Pumps	1	85	100%	263.7	-56.4	-10	0	-10	3	6	0	0	0	0	27.6	
NAP 8029F	F.S. Pump Room	S15	Exhaust Fans	1	85	100%	263.7	-56.4	-10	0	-10	3	0	0	0	0	0	21.6	
NAP 8029F	Exhaust Fan Room	S16	General Exhaust Fans	5	85	100%	263.7	-56.4	-10	0	-10	3	0	0	0	7.0	0	28.6	
NAP 8029F	PAU Room 1	S17	PAU	2	85	100%	276.2	-56.8	-10	0	-10	3	0	0	0	3.0	0	24.2	
NAP 8029F	PAU Room 1	S18	Exhaust Fans	1	85	100%	276.2	-56.8	-10	0	-10	3	0	0	0	0	0	21.2	
NAP 8029F	Chiller Plant Room	S19	Chiller Plant	2	85	100%	274.4	-56.8	-10	0	-10	3	0	0	0	3.0	0	24.2	
NAP 8029F	Chiller Plant Room	S20	Exhaust Fans	1	85	100%	271.1	-56.7	-10	0	-10	3	0	0	0	0	0	21.3	
NAP 8029F	Water Vehicle Filing and Automatic Vehicle Washing System Water Tank and Water Pump Room	S21	Water Pumps	2	85	100%	271.1	-56.7	-10	0	-10	3	6	0	0	3.0	0	30.3	
NAP 8029F	Water Vehicle Filing and Automatic Vehicle Washing System Water Tank and Water Pump Room	S22	Exhaust Fans	1	85	100%	271.1	-56.7	-10	0	-10	3	0	0	0	0	0	21.3	
NAP 8029F	Battery Charging Room	S23	Exhaust Fans	1	85	100%	305.7	-57.7	-10	0	-10	3	0	0	0	0	0	20.3	
NAP 8029F	Exhaust Fan Room	S24	General Exhaust Fans	4	85	100%	270.8	-56.7	-10	0	-10	3	0	0	0	6.0	0	27.3	
NAP 8029F	Exhaust Fan Room	S25	Welding Exhaust Fans	2	85	100%	270.8	-56.7	-10	0	-10	3	0	0	0	3.0	0	24.3	
NAP 8029F	Exhaust Fan Room	S26	Exhaust Fans	3	85	100%	270.8	-56.7	-10	0	-10	3	0	0	0	4.8	0	26.1	
NAP 8029F	TBE Room	S27	Exhaust Fans	1	85	100%	263.0	-56.4	-10	0	-10	3	0	0	0	0	0	21.6	
NAP 8029F	PAU Room 2	S28	PAU	5	85	100%	270.6	-56.6	-10	0	-10	3	0	0	0	7.0	0	28.4	
NAP 8029F	AHU Room	S29	AHU	1	85	100%	325.3	-58.2	-10	0	-10	3	0	0	0	0	0	19.8	
NAP 8029F	Lift Machine Room	S30	Lift Machine	3	85	100%	291.8	-57.3	-10	0	-10	3	0	0	0	4.8	0	25.5	
NAP 8029F	Lift Machine Room	S31	Exhaust Fans	1	85	100%	287.9	-57.2	-10	0	-10	3	0	0	0	0	0	20.8	
NAP 8029F	Portable Flushing and Makeup Water Pump Room	S32	Water Pumps	3	85	100%	262.5	-56.4	-10	0	-10	3	6	0	0	4.8	0	32.4	
NAP 8029F	Portable Flushing and Makeup Water Pump Room	S33	Exhaust Fans	1	85	100%	262.5	-56.4	-10	0	-10	3	0	0	0	0	0	21.6	
NAP 8029F	Cooling Tower Plant Room	S34	Cooling towers	2	100	100%	262.5	-56.4	-10	0	-10	3	0	0	0	3.0	0	39.6	
NAP 8029F	L1 HKPF	S36	Hand-held Pneumatic Tools	1	100	7%	286.0	-57.1	-10	0	-10	3	0	0	0	0	-11.8	24.1	
NAP 8029F	L1 HKPF	S37	Hammering Activities	3	113	7%	320.6	-58.1	-10	0	-10	3	0	3	0	4.8	-11.8	43.9	
NAP 8029F	FEHD	S38	Automatic Vehicle Washing Machine	1	88	27%	299.1	-57.5	-10	0	-10	3	0	0	0	0	-5.7	17.8	
NAP 8029F	EMSD Dept	S39	Motorcycle Speedometer Calibrator	1	112	3%	275.3	-56.8	-10	0	-10	3	0	0	0	0	-14.8	33.4	
NAP 8029F	EMSD Dept	S40	Tyre Changer	1	98	27%	268.9	-56.6	-10	0	-10	3	0	0	0	0	-5.7	28.7	
NAP 8029F	EMSD Dept	S41	Hammering Activities	4	113	7%	321.8	-58.2	-10	0	-10	3	0	3	0	6.0	-11.8	45.1	
NAP 8029F	EMSD Dept	S42	Hand-held Pneumatic Tools	4	100	13%	267.4	-56.5	-10	0	-10	3	0	0	0	6.0	-8.8	33.8	
NAP 8029F	EMSD Dept	S43	Roller Brake Tester	1	99	5%	323.0	-58.2	-10	0	-10	3	0	0	0	0	-13.0	20.8	
NAP 8029F	EMSD Dept	S44	Motorcycle Brake Tester	1	99	20%	267.4	-56.5	-10	0	-10	3	0	0	0	0	-7.0	28.5	
NAP 8029F	L1 HKPF	S45	Roller Brake Tester	1	99	20%	268.4	-56.6	-10	0	-10	3	0	0	0	0	-7.0	28.4	
NAP 80213F	Chiller Pump Room	S1	Water Pumps	2	85	100%	296.4	-57.4	-10	0	-10	3	6	0	0	3.0	0	29.6	49
NAP 80213F	Chiller Pump Room	S2	Exhaust Fans	1	85	100%	286.3	-57.1	-10	0	-10	3	0	0	0	0	0	20.9	
NAP 80213F	Exhaust Fan Room	S3	General Exhaust Fans	5	85	100%	269.7	-56.6	-10	0	-10	3	0	0	0	7.0	0	28.4	
NAP 80213F	Compressor Room	S4	Compressors	1	85	100%	271.1	-56.7	-10	0	-10	3	0	0	0	0	0	21.3	
NAP 80213F	Compressor Room	S5	Exhaust Fans	1	85	100%	268.8	-56.6	-10	0	-10	3	0	0	0	0	0	21.4	
NAP 80213F	Transformer Room	S6	Transformers	2	85	100%	268.8	-56.6	-10	0	-10	3	6	0	0	3.0	0	30.4	
NAP 80213F	Transformer Room	S7	Exhaust Fans	1	85	100%	268.8	-56.6	-10	0	-10	3	0	0	0	0	0	21.4	
NAP 80213F	Transferred Tank Pump Room	S8	Transferred Water Pumps	2	85	100%	268.8	-56.6	-10	0	-10	3	6	0	0	3.0	0	30.4	
NAP 80213F	Transferred Tank Pump Room	S9	Exhaust Fans	1	85	100%	268.8	-56.6	-10	0	-10	3	0	0	0	0	0	21.4	
NAP 80213F	Generator Room	S10	Generator (operations during power failure / maintenance)	2	85	100%	282.2	-57.0	-10	0	-10	3	0	0	0	3.0	0	24.0	
NAP 80213F	Generator Room	S11	Exhaust Fans	1	85	100%	397.2	-60.0	-10	0	-10	3	0	0	0	0	0	18.0	
NAP 80213F	Compressor Room	S12	Compressors	1	85	100%	271.6	-56.7	-10	0	-10	3	0	0	0	0	0	21.3	
NAP 80213F	Compressor Room	S13	Exhaust Fans	1	85	100%	265.7	-56.5	-10	0	-10	3	0	0	0	0	0	21.5	
NAP 80213F	F.S. Pump Room	S14	Water Pumps	1	85	100%	265.7	-56.5	-10	0	-10	3	6	0	0	0	0	27.5	
NAP 80213F	F.S. Pump Room	S15	Exhaust Fans	1	85	100%	265.7	-56.5	-10	0	-10	3	0	0	0	0	0	21.5	
NAP 80213F	Exhaust Fan Room	S16	General Exhaust Fans	5	85	100%	265.5	-56.5	-10	0	-10	3	0	0	0	7.0	0	28.5	
NAP 80213F	PAU Room 1	S17	PAU	2	85	100%	277.9	-56.9	-10	0	-10	3	0	0	0	3.0	0	24.1	
NAP 80213F	PAU Room 1	S18	Exhaust Fans	1	85	100%	277.9	-56.9	-10	0	-10	3	0	0	0	0	0	21.1	
NAP 80213F	Chiller Plant Room	S19	Chiller Plant	2	85	100%	275.9	-56.8	-10	0	-10	3	0	0	0	3.0	0	24.2	
NAP 80213F	Chiller Plant Room	S20	Exhaust Fans	1	85	100%	272.6	-56.7	-10	0	-10	3	0	0	0	0	0	21.3	
NAP 80213F	Water Vehicle Filing and Automatic Vehicle Washing System Water Tank and Water Pump Room	S21	Water Pumps	2	85	100%	272.6	-56.7	-10	0	-10	3	6	0	0	3.0	0	30.3	
NAP 80213F	Water Vehicle Filing and Automatic Vehicle Washing System Water Tank and Water Pump Room	S22	Exhaust Fans	1	85	100%	272.6	-56.7	-10	0	-10	3	0	0	0	0	0	21.3	
NAP 80213F	Battery Charging Room	S23	Exhaust Fans	1	85	100%	306.7	-57.7	-10	0	-10	3	0	0	0	0	0	20.3	
NAP 80213F	Exhaust Fan Room	S24	General Exhaust Fans	4	85	100%	271.9	-56.7	-10	0	-10	3	0	0	0	6.0	0	27.3	
NAP 80213F	Exhaust Fan Room	S25	Welding Exhaust Fans	2	85	100%	271.9	-56.7	-10	0	-10	3	0	0	0	3.0	0	24.3	
NAP 80213F	Exhaust Fan Room	S26	Exhaust Fans	3	85	100%	271.9	-56.7	-10	0	-10	3	0	0	0	4.8	0	26.1	
NAP 80213F	TBE Room	S27	Exhaust Fans	1	85	100%	263.8	-56.4	-10	0	-10	3	0	0	0	0	0	21.6	
NAP 80213F	PAU Room 2	S28	PAU	5	85	100%	271.3	-56.7	-10	0	-10	3	0	0	0	7.0	0	28.3	
NAP 80213F	AHU Room	S29	AHU	1	85	100%	325.9	-58.3	-10	0	-10	3	0	0	0	0	0	19.7	
NAP 80213F	Lift Machine Room	S30	Lift Machine	3	85	100%	292.2	-57.3	-10	0	-10	3	0	0	0	4.8	0	25.5	
NAP 80213F	Lift Machine Room	S31	Exhaust Fans	1	85	100%	288.3	-57.2	-10	0	-10	3	0	0	0	0	0	20.8	
NAP 80213F	Portable Flushing and Makeup Water Pump Room	S32	Water Pumps	3	85	100%	263.0	-56.4	-10	0	-10	3	6	0	0	4.8	0	32.4	
NAP 80213F	Portable Flushing and Makeup Water Pump Room	S33	Exhaust Fans	1	85	100%	263.0	-56.4	-10	0	-10	3	0	0	0	0	0	21.6	
NAP 80213F	Cooling Tower Plant Room	S34	Cooling towers	2	100	100%	263.0	-56.4	-10	0	-10	3	0	0	0	3.0	0	39.6	
NAP 80213F	L1 HKPF	S36	Hand-held Pneumatic Tools	1	100	7%	288.7	-57.2	-10	0	-10	3	0	0	0	0	-11.8	24.0	
NAP 80213F	L1 HKPF	S37	Hammering Activities	3	113	7%	323.0	-58.2	-10	0	-10	3	0	3	0	4.8	-11.8	43.8	
NAP 80213F	FEHD	S38	Automatic Vehicle Washing Machine	1	88	27%	300.5	-57.6	-10	0	-10	3	0	0	0	0	-5.7	17.7	
NAP 80213F	EMSD Dept	S39	Motorcycle Speedometer Calibrator	1	112	3%	276.4	-56.8	-10	0	-10	3	0	0	0	0	-14.8	33.4	
NAP 80213F	EMSD Dept	S40	Tyre Changer	1	98	27%	270.0	-56.6	-10	0	-10	3	0	0	0	0	-5.7	28.7	
NAP 80213F	EMSD Dept	S41	Hammering Activities	4	113	7%	322.8	-58.2	-10	0	-10	3	0	3	0	6.0	-11.8	45.1	
NAP 80213F	EMSD Dept	S42	Hand-held Pneumatic Tools	4	100	13%	268.6	-56.6	-10	0	-10	3	0	0	0	6.0	-8.8	33.7	
NAP 80213F	EMSD Dept	S43	Roller Brake Tester	1	99	5%	324.0	-58.2	-10	0	-10	3	0	0	0	0	-13.0	20.8	
NAP 80213F	EMSD Dept	S44	Motorcycle Brake Tester	1	99	20%	268.6	-56.6	-10	0	-10	3	0	0	0	0	-7.0	28.4	
NAP 80213F	L1 HKPF	S45	Roller Brake Tester	1	99	20%	269.6	-56.6	-10	0	-10	3	0	0	0	0	-7.0	28.4	

				Day/ Evening Time													
NAP ID	Room	Source ID	Identified Noise Sources	Max no. of events in 30 mins, nos.	$L_{eq(30min)}$, dB(A)	Slant Distance, m	Distance Attenuation, dB(A)	Barrier Correction due to Surrounding Buildings, dB(A)	Barrier Correction due to Interior Structure, dB(A)	Overall Barrier Correction, dB(A)	Façade Correction, dB(A)	Correction for Tonality, dB(A)	Correction for Impulsiveness, dB(A)	Correction for Intermittency, dB(A)	Correction for Quantity, dB(A)	Predicted Noise Level, dB(A)
NAP 101 1F	L1 HKPF	S35	Brake Test Strip	1	62	350.3	-16.7	-10	0	-10	3	0	0	0	0	38.3
NAP 101 10F	L1 HKPF	S35	Brake Test Strip	1	62	351.6	-16.7	-10	0	-10	3	0	0	0	0	38.3
NAP 101 21F	L1 HKPF	S35	Brake Test Strip	1	62	356.0	-16.8	-10	0	-10	3	0	0	0	0	38.2
NAP 201 1F	L1 HKPF	S35	Brake Test Strip	1	62	172.4	-13.6	0	0	0	3	0	0	0	0	51.4
NAP 201 3F	L1 HKPF	S35	Brake Test Strip	1	62	172.5	-13.6	0	0	0	3	0	0	0	0	51.4
NAP 201 6F	L1 HKPF	S35	Brake Test Strip	1	62	173.2	-13.6	0	0	0	3	0	0	0	0	51.4
NAP 202 1F	L1 HKPF	S35	Brake Test Strip	1	62	279.3	-15.7	-10	0	-10	3	0	0	0	0	39.3
NAP 202 3F	L1 HKPF	S35	Brake Test Strip	1	62	279	-15.7	-10	0	-10	3	0	0	0	0	39.3
NAP 202 6F	L1 HKPF	S35	Brake Test Strip	1	62	280	-15.7	-10	0	-10	3	0	0	0	0	39.3
NAP 301 1F	L1 HKPF	S35	Brake Test Strip	1	62	246.9	-15.2	-10	0	-10	3	0	0	0	0	39.8
NAP 301 12F	L1 HKPF	S35	Brake Test Strip	1	62	249.8	-15.2	-10	0	-10	3	0	0	0	0	39.8
NAP 301 24F	L1 HKPF	S35	Brake Test Strip	1	62	257.7	-15.4	-10	0	-10	3	0	0	0	0	39.6
NAP 401 1F	L1 HKPF	S35	Brake Test Strip	1	62	402.5	-17.3	0	0	0	3	0	0	0	0	47.7
NAP 401 15F	L1 HKPF	S35	Brake Test Strip	1	62	405.0	-17.3	0	0	0	3	0	0	0	0	47.7
NAP 401 30F	L1 HKPF	S35	Brake Test Strip	1	62	412.5	-17.4	0	0	0	3	0	0	0	0	47.6
NAP 501 GF	L1 HKPF	S35	Brake Test Strip	1	62	403.7	-17.3	0	0	0	3	0	0	0	0	47.7
NAP 601 1F	L1 HKPF	S35	Brake Test Strip	1	62	439.1	-17.7	0	0	0	3	0	0	0	0	47.3
NAP 601 15F	L1 HKPF	S35	Brake Test Strip	1	62	441.5	-17.7	0	0	0	3	0	0	0	0	47.3
NAP 601 30F	L1 HKPF	S35	Brake Test Strip	1	62	448.4	-17.8	0	0	0	3	0	0	0	0	47.2
NAP 701 1F	L1 HKPF	S35	Brake Test Strip	1	62	428.2	-17.6	-10	0	-10	3	0	0	0	0	37.4
NAP 701 15F	L1 HKPF	S35	Brake Test Strip	1	62	430.5	-17.6	0	0	0	3	0	0	0	0	47.4
NAP 701 30F	L1 HKPF	S35	Brake Test Strip	1	62	437.6	-17.7	0	0	0	3	0	0	0	0	47.3
NAP 801 5F	L1 HKPF	S35	Brake Test Strip	1	62	255.8	-15.3	0	0	0	3	0	0	0	0	49.7
NAP 8019F	L1 HKPF	S35	Brake Test Strip	1	62	257.8	-15.4	0	0	0	3	0	0	0	0	49.6
NAP 80113F	L1 HKPF	S35	Brake Test Strip	1	62	260.8	-15.4	0	0	0	3	0	0	0	0	49.6
NAP 802 5F	L1 HKPF	S35	Brake Test Strip	1	62	309.6	-16.2	-10	0	-10	3	0	0	0	0	38.8
NAP 8029F	L1 HKPF	S35	Brake Test Strip	1	62	311.2	-16.2	-10	0	-10	3	0	0	0	0	38.8
NAP 80213F	L1 HKPF	S35	Brake Test Strip	1	62	313.7	-16.2	-10	0	-10	3	0	0	0	0	38.8

Remark:

[1] The building design shall ensure that NSR 1 will not have direct line-of-sight to the brake test strip at Level 1. A correction of -10 dB(A) was adopted.

				Night Time												
NAP ID	Room	Source ID	Identified Noise Sources	Max no. of events in 30 mins, nos.	$L_{eq(30min)}$, dB(A)	Slant Distance, m	Distance Attenuation, dB(A)	Barrier Correction due to Surrounding Buildings, dB(A)	Barrier Correction due to Interior Structure, dB(A)	Overall Barrier Correction, dB(A)	Façade Correction, dB(A)	Correction for Tonality, dB(A)	Correction for Impulsiveness, dB(A)	Correction for Intermittency, dB(A)	Correction for Quantity, dB(A)	Predicted Noise Level, dB(A)
NAP 101 1F	L1 HKPF	S35	Brake Test Strip	1	62	350.3	-16.7	-10	0	-10	3	0	0	0	0	38.3
NAP 101 10F	L1 HKPF	S35	Brake Test Strip	1	62	351.6	-16.7	-10	0	-10	3	0	0	0	0	38.3
NAP 101 21F	L1 HKPF	S35	Brake Test Strip	1	62	356.0	-16.8	-10	0	-10	3	0	0	0	0	38.2
NAP 201 1F	L1 HKPF	S35	Brake Test Strip	No night time operation												
NAP 201 3F	L1 HKPF	S35	Brake Test Strip													
NAP 201 6F	L1 HKPF	S35	Brake Test Strip													
NAP 202 1F	L1 HKPF	S35	Brake Test Strip	No night time operation												
NAP 202 3F	L1 HKPF	S35	Brake Test Strip													
NAP 202 6F	L1 HKPF	S35	Brake Test Strip													
NAP 301 1F	L1 HKPF	S35	Brake Test Strip	1	62	246.9	-15.2	-10	0	-10	3	0	0	0	0	39.8
NAP 301 12F	L1 HKPF	S35	Brake Test Strip	1	62	249.8	-15.2	-10	0	-10	3	0	0	0	0	39.8
NAP 301 24F	L1 HKPF	S35	Brake Test Strip	1	62	257.7	-15.4	-10	0	-10	3	0	0	0	0	39.6
NAP 401 1F	L1 HKPF	S35	Brake Test Strip	1	62	402.5	-17.3	0	0	0	3	0	0	0	0	47.7
NAP 401 15F	L1 HKPF	S35	Brake Test Strip	1	62	405.0	-17.3	0	0	0	3	0	0	0	0	47.7
NAP 401 30F	L1 HKPF	S35	Brake Test Strip	1	62	412.5	-17.4	0	0	0	3	0	0	0	0	47.6
NAP 501 GF	L1 HKPF	S35	Brake Test Strip	No night time operation												
NAP 601 1F	L1 HKPF	S35	Brake Test Strip	1	62	439.1	-17.7	0	0	0	3	0	0	0	0	47.3
NAP 601 15F	L1 HKPF	S35	Brake Test Strip	1	62	441.5	-17.7	0	0	0	3	0	0	0	0	47.3
NAP 601 30F	L1 HKPF	S35	Brake Test Strip	1	62	448.4	-17.8	0	0	0	3	0	0	0	0	47.2
NAP 701 1F	L1 HKPF	S35	Brake Test Strip	1	62	428.2	-17.6	-10	0	-10	3	0	0	0	0	37.4
NAP 701 15F	L1 HKPF	S35	Brake Test Strip	1	62	430.5	-17.6	0	0	0	3	0	0	0	0	47.4
NAP 701 30F	L1 HKPF	S35	Brake Test Strip	1	62	437.6	-17.7	0	0	0	3	0	0	0	0	47.3
NAP 801 5F	L1 HKPF	S35	Brake Test Strip	No night time operation												
NAP 8019F	L1 HKPF	S35	Brake Test Strip													
NAP 80113F	L1 HKPF	S35	Brake Test Strip													
NAP 802 5F	L1 HKPF	S35	Brake Test Strip	No night time operation												
NAP 8029F	L1 HKPF	S35	Brake Test Strip													
NAP 80213F	L1 HKPF	S35	Brake Test Strip													

Remark:

[1] The building design shall ensure that NSR 1 will not have direct line-of-sight to the brake test strip at Level 1. A correction of -10 dB(A) was adopted.

NAP ID	Level	Daytime and Eveningtime				Nighttime			
		Predicted Fixed Noise	Predicted Event Noise (S35)	Cumulative Noise Level (dB(A))	Criteria (dB(A))	Predicted Fixed Noise	Predicted Event Noise (S35)	Cumulative Noise Level (dB(A))	Criteria (dB(A))
NAP 101	1/F	57	38	57	57	49	38	49	50
	10/F	57	38	57		49	38	49	
	21/F	57	38	57		49	38	49	
NAP 201	1/F	63	51	63	64	No operation in night-time			
	3/F	63	51	63					
	6/F	63	51	63					
NAP 202	1/F	49	39	49	64	No operation in night-time			
	3/F	49	39	49					
	6/F	49	39	49					
NAP 301	1/F	50	40	50	58	44	40	45	55
	12/F	50	40	50		44	40	45	
	24/F	50	40	50		43	40	45	
NAP 401	1/F	57	48	57	65	50	48	52	55
	15/F	57	48	57		50	48	52	
	30/F	57	48	57		50	48	52	
NAP 501	G/F	57	48	57	65	No operation in night-time			
NAP 601	1/F	56	47	57	65	49	47	51	55
	15/F	56	47	57		49	47	51	
	30/F	56	47	57		49	47	51	
NAP 701	1/F	56	37	56	65	48	37	48	55
	15/F	56	47	57		49	47	51	
	30/F	56	47	57		49	47	51	
NAP 801	5/F	61	50	61	65	No operation in night-time			
	9/F	61	50	61					
	13/F	61	50	61					
NAP 802	5/F	49	39	49	65	No operation in night-time			
	9/F	49	39	49					
	13/F	49	39	49					

Remark:
According to the result above, which has not taken into account noise in the 10-second preparation time period, the highest fixed source noise level at the worst affected NSR (i.e. NSR 1) at nighttime would be 49dB(A). Assuming noise from the preparation was similar to that of the test itself, a sensitivity has been conducted and the results revealed that the highest fixed source noise level would still not exceed the 50dB(A) criterion.