

**Appendix 3.3**  
**Daytime Fixed Plant Noise Impact Assessment**

NSR	Plant item	Source ID	Direction Facing	Distance , m	SWL, dB(A)	View Angle Correction	SPL, dB(A)	Total SPL, dB(A)	Daytime Noise Criteria, dB(A)		
<b>KET Station</b>											
KET 1: Kwun Lung Lau (Block D)	Ventilation Shaft	KET VS-Y	TVS	North Elevation	189	90	5	34	<u>60</u>	<u>60</u>	
				West Elevation	188	90	0	40			
				East Elevation	192	90	10	29			
				South Elevation	184	90	5	35			
				North Elevation	179	90	5	35			
				South Elevation	173	90	5	35			
				East Elevation	173	86	10	26			
				South Elevation	164	85	5	31			
				North Elevation	26	95	10	52			
	Ventilation Shaft	KET VS-Z		East Elevation	23	85	0	53			
				South Elevation	23	85	0	53			
				North Elevation	28	94	10	50			
				South Elevation	27	85	0	51			
				South Elevation	29	85	0	51			
				North Elevation	34	92	10	46			
				South Elevation	36	85	0	49			
				West Elevation	40	92	10	45			
				Chiller Plant	KET CP	1	-	156			91
				2	-	156	91	0			42
				3	-	155	91	0			42
	KET 5: Pokfield Garden	Ventilation Shaft	KET VS-Y	TVS	North Elevation	71	90	10			38
				West Elevation	64	90	5	44			
				East Elevation	61	90	10	39			
				South Elevation	55	90	5	45			
				North Elevation	56	90	10	40			
				South Elevation	52	90	5	46			
				East Elevation	48	86	5	42			
				South Elevation	47	85	0	47			
				North Elevation	176	95	10	35			
Ventilation Shaft		KET VS-Z		East Elevation	175	85	0	35			
				South Elevation	175	85	0	35			
				North Elevation	182	94	10	34			
				South Elevation	185	85	0	35			
				South Elevation	188	85	0	35			
				North Elevation	192	92	10	31			
				South Elevation	197	85	0	34			
				West Elevation	202	92	10	31			
				Chiller Plant	KET CP	1	-	41	91	0	54
				2	-	37	91	0	55		
				3	-	32	91	0	56		
KET 6: University Heights (Tower 2)		Ventilation Shaft	KET VS-Y	TVS	North Elevation	64	90	10	39	<u>59</u>	<u>60</u>
				West Elevation	59	90	10	40			
				East Elevation	52	90	0	51			
				South Elevation	49	90	0	51			
				North Elevation	55	90	10	40			
				South Elevation	55	90	0	50			
				East Elevation	58	86	0	46			
				South Elevation	60	85	0	44			
				North Elevation	221	95	5	38			
	Ventilation Shaft	KET VS-Z		East Elevation	220	85	0	33			
				South Elevation	220	85	5	28			
				North Elevation	227	94	5	37			
				South Elevation	231	85	5	28			
				South Elevation	234	85	5	28			
				North Elevation	238	92	5	34			
				South Elevation	243	85	5	27			
				West Elevation	247	92	10	29			
				Chiller Plant	KET CP	1	-	65	91		
				2	-	63	91	0	50		
				3	-	61	91	0	50		

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NSR	Plant item	Source ID	Direction Facing	Distance , m	SWL, dB(A)	View Angle Correction	SPL, dB(A)	Total SPL, dB(A)	Daytime Noise Criteria, dB(A)					
KET P1: Kwun Lung Lau Planned Receiver	Ventilation Shaft	KET VS-Y	TVS	North Elevation	241	90	5	32						
				West Elevation	239	90	0	37						
				East Elevation	244	90	10	27						
				South Elevation	236	90	5	33						
				North Elevation	231	90	5	33						
				South Elevation	225	90	5	33						
				East Elevation	225	86	10	24						
				South Elevation	217	85	5	28						
		KET VS-Z		BEVS	North Elevation	52	95	10			46			
					East Elevation	52	85	10			36			
					South Elevation	48	85	0			46			
				TEVS	North Elevation	46	94	10			46			
				TSVS	South Elevation	41	85	0			48			
				SSVS	South Elevation	38	85	0			48			
				TVS	North Elevation	37	92	10			46			
				TVS	South Elevation	31	85	0			50			
	Chiller Plant	KET CP	1	-	209	91	0	40						
			2	-	209	91	0	40						
			3	-	208	91	0	40						
											<u>60</u>	<u>60</u>		
<b><u>KET Station- Ex-Police Quarter</u></b>														
KET 9: Hong Kong Institute of Vocation Education (Tsing Yi) Kennedy Town	Ventilation Shaft	KET VS		Northwest Elevation	105	106	10	51	<u>60</u>	<u>60</u>				
				Southeast Elevation	101	105	0	60						
<b><u>UNI Station- Entrance C1</u></b>														
UNI 9: The Belcher's (Tower 3)	Ventilation Shaft	UNI VS-Z1	BEVS	North Elevation	16	91	0	62	<u>65</u>	<u>65</u>				
					East Elevation	17	92	5			57			
					South Elevation	21	96	10			55			
			TVS		West Elevation	16	92	5			58			
				Ventilation Shaft	UNI VS-Z2		North Elevation	79			94	5	46	
							East Elevation	82			94	10	41	
	Ventilation Shaft and Chiller Plant	UNI VS-Z3 & CP	1	-	114	94	0	48						
			2	-	119	94	0	47						
			3	-	124	94	0	47						
	UNI 17: Hill View Garden (Block 1-4)	Ventilation Shaft	UNI VS-Z1	BEVS	North Elevation	103	91	10			36	<u>65</u>	<u>65</u>	
						East Elevation	101	92			0			47
						South Elevation	101	96			5			46
TVS					West Elevation	108	92	10	36					
				Ventilation Shaft	UNI VS-Z2		North Elevation	44	94	0	56			
							East Elevation	44	94	0	56			
Ventilation Shaft and Chiller Plant		UNI VS-Z3 & CP	1	-	30.5	94	0	59						
			2	-	31.5	94	0	59						
			3	-	33.5	94	0	58						
UNI 17a: Hill View Garden (Block 5-8)		Ventilation Shaft	UNI VS-Z1	BEVS	North Elevation	76	91	5	43	<u>63</u>	<u>65</u>			
						East Elevation	76	92	0					49
						South Elevation	76	96	5					48
	TVS				West Elevation	83	92	10	39					
				Ventilation Shaft	UNI VS-Z2		North Elevation	35	94			0	58	
							East Elevation	36	94			5	53	
	Ventilation Shaft and Chiller Plant	UNI VS-Z3 & CP	1	-	46.5	94	0	56						
			2	-	50.5	94	0	55						
			3	-	54	94	0	54						

**Appendix 3.3**  
**Daytime Fixed Plant Noise Impact Assessment**

NSR	Plant item	Source ID	Direction Facing	Distance , m	SWL, dB(A)	View Angle Correction	SPL, dB(A)	Total SPL, dB(A)	Daytime Noise Criteria, dB(A)				
<b>UNI Station- Vent Shaft Y</b>													
UNI 11: Sik On Building	Ventilation Shaft	UNI VS-Y	SSVS	North Elevation	14	83	10	45					
				South Elevation	10.8	80	0	54					
				West Elevation	10.8	80	5	49					
UNI 13a: Fu Yin Court	Ventilation Shaft	UNI VS-Y	TVS	North Elevation	13.6	82	10	44	<u>60</u>				
				South Elevation	9.6	83	0	58					
				TEVS	South Elevation	9.6	83	0		58			
			SSVS	North Elevation	9.6	83	0	58					
				South Elevation	13	80	10	43					
				West Elevation	9.6	80	5	50					
UNI 14: Wing Fu Lau	Ventilation Shaft	UNI VS-Y	TVS	North Elevation	14.2	82	0	54	<u>60</u>				
				South Elevation	16.6	83	10	44					
				TEVS	South Elevation	16.6	83	10		44			
			SSVS	North Elevation	41	83	5	41					
				South Elevation	41.6	80	5	38					
				West Elevation	44	80	10	32					
				TVS	North Elevation	26	82	5	44				
				TEVS	South Elevation	28.8	83	5	44				
								<u>48</u>	<u>60</u>				
<b>SYP Station-Entrance A1 &amp; A2</b>													
SYP 3: No. 15 Tsz Mi Alley	Ventilation Shaft	SYP VS-Y	TVS	South Elevation	18	87	10	47	<u>58</u>				
				West Elevation	16	87	0	58					
SYP 4: Ngan Yu Building	Ventilation Shaft VS-Y	SYP VS-Y	TVS	South Elevation	38	87	0	50	<u>53</u>				
				West Elevation	38	87	0	50					
SYP 5: Rich Court	Ventilation Shaft	SYP VS-Y	TVS	South Elevation	36	87	0	51	<u>54</u>				
				West Elevation	36	87	0	51					
SYP 16: Wai Lee Building	Ventilation Shaft	SYP VS-Y	TVS	South Elevation	7	87	5	60	<u>60</u>				
				West Elevation	13.5	87	10	49					
<b>SYP Station- Entrance C</b>													
SYP 6: Bon-Point	Ventilation Shaft VS-Z	SYP VS-Z	SSVS	North Elevation	8.5	75	5	46					
				South Elevation	7.5	75	0	52					
				West Elevation	7.5	76	0	53					
			SEVS	North Elevation	18.5	80	10	40					
				BEVS	North Elevation	30.5	81	10		36			
				East Elevation	36	84	10	38					
			TVS	East Elevation	36	84	10	38					
				South Elevation	34	83	10	37					
				TEVS	South Elevation	8.5	82	10		48			
			Chiller Plant	SYP CP	1	-	South Elevation	7.5		78	0	55	
							West Elevation	16		80	0	51	
							2	-		22.5	80	0	48
							3	-		30	80	0	45
												<u>60</u>	<u>60</u>
SYP 7: Bonham Road Government Primary School	Ventilation Shaft VS-Z	SYP VS-Z	SSVS	North Elevation	43.5	75	10	27					
				South Elevation	45	75	0	37					
				West Elevation	48.3	76	10	27					
			SEVS	North Elevation	32	80	10	35					
				BEVS	North Elevation	22	81	10		39			
				East Elevation	21	84	0	53					
			TVS	East Elevation	17	84	0	54					
				South Elevation	17	83	0	53					
				TEVS	South Elevation	46.5	82	0		44			
			Chiller Plant	SYP CP	1	-	South Elevation	50.3		78	10	29	
							West Elevation	49.5		80	0	41	
							2	-		42	80	0	43
							3	-		35	80	0	44
												<u>59</u>	<u>60</u>

**Appendix 3.3  
Nighttime Fixed Plant Noise Impact Assessment**

NSR	Plant item	Source ID	Direction Facing	Distance , m	SWL, dB(A)	View Angle Correction	SPL, dB(A)	Total SPL, dB(A)	Night Time Noise Criteria, dB(A)			
<b>KET Station</b>												
KET 1: Kwun Lung Lau (Block D)	Ventilation Shaft	KET VS-Y	TVS	North Elevation	189	80	5	24				
				West Elevation	188	80	0	30				
				East Elevation	192	80	10	19				
				BEVS	South Elevation	184	80	5			25	
				SEVS	North Elevation	179	80	5			25	
				SSVS	South Elevation	173	80	5			25	
				TSVS	East Elevation	173	76	10			16	
			TEVS	South Elevation	164	75	5	21				
		Ventilation Shaft	KET VS-Z	BEVS	North Elevation	26	85	10			42	
					East Elevation	23	75	0			43	
					South Elevation	23	75	0			43	
					TEVS	North Elevation	28	84			10	40
					TSVS	South Elevation	27	75			0	41
					SSVS	South Elevation	29	75			0	41
				TVS	North Elevation	34	82	10			36	
	Chiller Plant	KET CP	1	-	156	81	0	32				
			2	-	156	81	0	32				
			3	-	155	81	0	32				
											<u>50</u>	<u>50</u>
	KET 5: Pokfield Garden	Ventilation Shaft	KET VS-Y	TVS	North Elevation	71	80	10			28	
					West Elevation	64	80	5			34	
				East Elevation	61	80	10	29				
				BEVS	South Elevation	55	80	5	35			
				SEVS	North Elevation	56	80	10	30			
				SSVS	South Elevation	52	80	5	36			
				TSVS	East Elevation	48	76	5	32			
			TEVS	South Elevation	47	75	0	37				
Ventilation Shaft			KET VS-Z	BEVS	North Elevation	176	85	10	25			
					East Elevation	175	75	0	25			
					South Elevation	175	75	0	25			
					TEVS	North Elevation	182	84	10	24		
					TSVS	South Elevation	185	75	0	25		
					SSVS	South Elevation	188	75	0	25		
				TVS	North Elevation	192	82	10	21			
Chiller Plant		KET CP	1	-	41	81	0	44				
			2	-	37	81	0	45				
			3	-	32	81	0	46				
								<u>50</u>	<u>50</u>			
KET 6: University Heights (Tower 2)		Ventilation Shaft	KET VS-Y	TVS	North Elevation	64	80	10	29			
					West Elevation	59	80	10	30			
				East Elevation	52	80	0	41				
				BEVS	South Elevation	49	80	0	41			
				SEVS	North Elevation	55	80	10	30			
				SSVS	South Elevation	55	80	0	40			
				TSVS	East Elevation	58	76	0	36			
			TEVS	South Elevation	60	75	0	34				
	Ventilation Shaft		KET VS-Z	BEVS	North Elevation	221	85	5	28			
					East Elevation	220	75	0	23			
					South Elevation	220	75	5	18			
					TEVS	North Elevation	227	84	5	27		
					TSVS	South Elevation	231	75	5	18		
					SSVS	South Elevation	234	75	5	18		
				TVS	North Elevation	238	82	5	24			
	Chiller Plant	KET CP	1	-	65	81	0	40				
			2	-	63	81	0	40				
			3	-	61	81	0	40				
									<u>49</u>	<u>50</u>		

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Nighttime Fixed Plant Noise Impact Assessment**

NSR	Plant item	Source ID	Direction Facing	Distance , m	SWL, dB(A)	View Angle Correction	SPL, dB(A)	Total SPL, dB(A)	Night Time Noise Criteria, dB(A)	
KET P1: Kwun Lung Lau Planned Receiver	Ventilation Shaft	KET VS-Y	TVS	North Elevation	241	80	5	22		
				West Elevation	239	80	0	27		
			TVS	East Elevation	244	80	10	17		
			BEVS	South Elevation	236	80	5	23		
			SEVS	North Elevation	231	80	5	23		
			SSVS	South Elevation	225	80	5	23		
			TSVS	East Elevation	225	76	10	14		
			TEVS	South Elevation	217	75	5	18		
		KET VS-Z		BEVS	North Elevation	52	85	10		36
					East Elevation	52	75	10		26
					South Elevation	48	75	0		36
				TEVS	North Elevation	46	84	10		36
				TSVS	South Elevation	41	75	0		38
				SSVS	South Elevation	38	75	0		38
		Chiller Plant	KET CP	1	-	209	81	0		30
	2			-	209	81	0	30		
	3			-	208	81	0	30		
										<u>50</u>
								<u>50</u>		
<b>UNI Station- Entrance C1</b>										
UNI 9: The Belcher's (Tower 3)	Ventilation Shaft	UNI VS-Z1	BEVS	North Elevation	16	81	0	52		
				East Elevation	17	82	5	47		
				South Elevation	21	86	10	45		
		UNI VS-Z2	TVS	West Elevation	16	82	5	48		
			TVS	North Elevation	79	84	5	36		
				East Elevation	82	84	10	31		
	Ventilation Shaft and Chiller Plant	UNI VS-Z3 & CP	1	-	114	84	0	38		
			2	-	119	84	0	37		
			3	-	124	84	0	37		
							<u>55</u>			
							<u>55</u>			
	UNI 17: Hill View Garden (Block 1-4)	Ventilation Shaft	UNI VS-Z1	BEVS	North Elevation	103	81	10		26
				East Elevation	101	82	0	37		
				South Elevation	101	86	5	36		
UNI VS-Z2			TVS	West Elevation	108	82	10	26		
			TVS	North Elevation	44	84	0	46		
				East Elevation	44	84	0	46		
Ventilation Shaft and Chiller Plant		UNI VS-Z3 & CP	1	-	30.5	84	0	49		
			2	-	31.5	84	0	49		
			3	-	33.5	84	0	48		
							<u>55</u>			
							<u>55</u>			
UNI 17a: Hill View Garden (Block 5-8)		Ventilation Shaft	UNI VS-Z1	BEVS	North Elevation	76	81	5	33	
				East Elevation	76	82	0	39		
				South Elevation	76	86	5	38		
	UNI VS-Z2		TVS	West Elevation	83	82	10	29		
			TVS	North Elevation	35	84	0	48		
				East Elevation	36	84	5	43		
	Ventilation Shaft and Chiller Plant	UNI VS-Z3 & CP	1	-	46.5	84	0	46		
			2	-	50.5	84	0	45		
			3	-	54	84	0	44		
							<u>53</u>			
							<u>55</u>			

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NSR	Plant item	Source ID	Direction Facing	Distance , m	SWL, dB(A)	View Angle Correction	SPL, dB(A)	Total SPL, dB(A)	Night Time Noise Criteria, dB(A)			
<b>UNI Station- Vent Shaft Y</b>												
UNI 11: Sik On Building	Ventilation Shaft	UNI VS-Y	SSVS	North Elevation	14	73	10	35				
				South Elevation	10.8	70	0	44				
				West Elevation	10.8	70	5	39				
UNI 13a: Fu Yin Court	Ventilation Shaft	UNI VS-Y	SSVS	North Elevation	13.6	72	10	34				
				South Elevation	9.6	73	0	48	<u>50</u>			
				West Elevation	9.6	70	10	33				
			TVS	North Elevation	14.2	72	0	44				
				South Elevation	16.6	73	10	34	<u>50</u>			
				West Elevation	9.6	70	5	40				
UNI 14: Wing Fu Lau	Ventilation Shaft	UNI VS-Y	SSVS	North Elevation	41	73	5	31				
				South Elevation	41.6	70	5	28				
				West Elevation	44	70	10	22				
			TVS	North Elevation	26	72	5	34				
				South Elevation	28.8	73	5	34	<u>38</u>			
				West Elevation	44	70	10	22				
<b>SYP Station-Entrance A1 &amp; A2</b>												
SYP 3: No. 15 Tsz Mi Alley	Ventilation Shaft	SYP VS-Y	TVS	South Elevation	18	77	10	37				
				West Elevation	16	77	0	48	<u>48</u>			
SYP 4: Ngan Yu Building	Ventilation Shaft	SYP VS-Y	TVS	South Elevation	38	77	0	40				
				West Elevation	38	77	0	40	<u>43</u>			
SYP 5: Rich Court	Ventilation Shaft	SYP VS-Y	TVS	South Elevation	36	77	0	41				
				West Elevation	36	77	0	41	<u>44</u>			
SYP 16: Wai Lee Building	Ventilation Shaft	SYP VS-Y	TVS	South Elevation	7	77	5	50				
				West Elevation	13.5	77	10	39	<u>50</u>			
<b>SYP Station- Entrance C</b>												
SYP 6: Bon-Point	Ventilation Shaft VS-Z	SYP VS-Z	SSVS	North Elevation	8.5	65	5	36				
				South Elevation	7.5	65	0	42				
				West Elevation	7.5	66	0	43				
				SEVS	North Elevation	18.5	70	10	30			
					BEVS	North Elevation	30.5	71	10	26		
						East Elevation	36	74	10	28		
				TVS	East Elevation	36	74	10	28			
					South Elevation	34	73	10	27			
					South Elevation	8.5	72	10	38			
			Chiller Plant	SYP CP	1	-	16	70	0	41		
						2	-	22.5	70	0	38	
						3	-	30	70	0	35	<u>50</u>
						SSVS	North Elevation	43.5	65	10	17	
							South Elevation	45	65	0	27	
							West Elevation	48.3	66	10	17	
SEVS	North Elevation	32	70	10	25							
	BEVS	North Elevation	22	71	10	29						
		East Elevation	21	74	0	43						
TVS	East Elevation	17	74	0	44							
	South Elevation	17	73	0	43							
	South Elevation	46.5	72	0	34							
Chiller Plant	SYP CP	1	-	49.5	70	0	31					
			2	-	42	70	0	33				
			3	-	35	70	0	34	<u>49</u>			
SYP 7: Bonham Road Government Primary School	Ventilation Shaft VS-Z	SYP VS-Z	SSVS	North Elevation	43.5	65	10	17				
				South Elevation	45	65	0	27				
				West Elevation	48.3	66	10	17				
				SEVS	North Elevation	32	70	10	25			
					BEVS	North Elevation	22	71	10	29		
						East Elevation	21	74	0	43		
				TVS	East Elevation	17	74	0	44			
					South Elevation	17	73	0	43			
					South Elevation	46.5	72	0	34			
			Chiller Plant	SYP CP	1	-	49.5	70	0	31		
						2	-	42	70	0	33	
						3	-	35	70	0	34	<u>49</u>
						SSVS	North Elevation	43.5	65	10	17	
							South Elevation	45	65	0	27	
							West Elevation	48.3	66	10	17	
SEVS	North Elevation	32	70	10	25							
	BEVS	North Elevation	22	71	10	29						
		East Elevation	21	74	0	43						
TVS	East Elevation	17	74	0	44							
	South Elevation	17	73	0	43							
	South Elevation	46.5	72	0	34							
Chiller Plant	SYP CP	1	-	49.5	70	0	31					
			2	-	42	70	0	33				
			3	-	35	70	0	34	<u>49</u>			