Appendix 4.8 Construction Noise Calculation (Mitigated)

YE01

YLSEPP (This Project)

Activity ID	Description	Dist. (m)	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, $L_{eq(30mins)}$	2028 1	2	3	4	5	6	7	8	9	10	11	12	2029 1	2	3	4	5	6	7	8	9	10	11	12	2030 1	2	3	4	5	6	7	8	9	10	11	12	2031 1	2	3	4	5	6	7	8	9	10	11	12	2032 1	2	3	4	5	6	7	8	9	10	11	12
A	**Inlet Work + PST**																																																																			
A1	Mobilisation & Excavation	90	105	0	-47	3	61	61	61	61	61	61	61																																																							
A2	Piling	90	111	0	-47	3	67							67	67	67	67	67	67																																																			
A3	Superstructure	90	116	0	-47	3	72																																																													
A4	Testing and Commissioning																																																																			
B	**Bioreactors / Teritary Treatment**																																																																			
B1	Mobilisation & Excavation	100	105	0	-48	3	60	60	60	60	60	60	60																																																							
B2	Piling	100	111	0	-48	3	66							66	66	66	66	66	66																																																			
B3	Superstructure	100	116	0	-48	3	71																																																													
B4	Testing and Commissioning																																																																			
C	**Sludge Treatment 1**																																																																			
C1	Excavation	170	105	0	-53	3	56								56	56	56	56	56																																																		
C2	Piling	170	120	0	-53	3	70																																																													
C3	Superstructure	170	116	0	-53	3	66																																																													
C4	Testing and Commissioning																																																																			
D	**Sludge Treatment 2 + Organic Waste Receiption**																																																																			
D1	Excavation	300	110	0	-58	3	56					56	56	56	56	56																																																				
D2	Piling	300	120	0	-58	3	65										65	65	65																																																
D3	Superstructure	300	116	0	-58	3	61																																																												
D4	Testing and Commissioning																																																																			
E	**Roadworks**																																																																			
E1	Roadworks	50	116	0	-42	3	77																																																												
F	**Pipeworks + Buried Utilities**																																																																			
F1	Pipeworks + Buried Utilities	50	115	0	-42	3	76																																																												
G	**Workshop + Store Room + Car Park**																																																																			
G1	Superstructure	290	116	0	-57	3	62																																																												
H	**Sludge Treatment 3 + Admin Building**																																																																			
H1	Piling	380	117	0	-60	3	61																																																												
H2	Superstructure	380	116	0	-60	3	59																																																												
I	**Overall Commissioning Test**																																																																			
J	**Landscaping**																																																																			
							YLSEPP - Cumulative Noise Level, $L_{eq\ (30mins)}$, dB(A)	64	64	64	64	64	64	70	70	70	71	71	71																																																			

Yuen Long South Development Area (YLSDA) (Concurrent Project)

Activity ID	Description	Dist. (m)	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, $L_{eq(30mins)}$	2028 1	2	3	4	5	6	7	8	9	10	11	12	2029 1	2	3	4	5	6	7	8	9	10	11	12	2030 1	2	3	4	5	6	7	8	9	10	11	12	2031 1	2	3	4	5	6	7	8	9	10	11	12	2032 1	2	3	4	5	6	7	8	9	10	11	12
P2K	Site Formation, Road Works and Slope Works	150	107	0	-52	3	58	58	58	58	58	58	58	58	58	58	58	58	58																																																	
							YLSDA - Cumulative Noise Level, $L_{eq\ (30mins)}$, dB(A)	58	58	58	58	58	58	58	58	58	58	58	58																																																			

Water Reclamation Facilities (WRF) (Concurrent Project)

Activity ID	Description	Dist. (m)	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, $L_{eq(30mins)}$	2028 1	2	3	4	5	6	7	8	9	10	11	12	2029 1	2	3	4	5	6	7	8	9	10	11	12	2030 1	2	3	4	5	6	7	8	9	10	11	12	2031 1	2	3	4	5	6	7	8	9	10	11	12	2032 1	2	3	4	5	6	7	8	9	10	11	12
P2E	Site Formation, Slope Works and Sewage Treatment Work (Building) Construction	30	108	0	-38	3	73	73	73	73	73	73	73	73	73	73	73	73	73																																																	
							WRF - Cumulative Noise Level, $L_{eq\ (30mins)}$, dB(A)	73	73	73	73	73	73	73	73	73	73	73	73																																																			

Overall (YLSEPP + YLSDA + WRF) - Cumulative Noise Level, $L_{eq\ (30mins)}$, dB(A) 74 74 74 74 74 74 75 75 75 75 75 75

Remark:

[1] Boldfaced values indicate that the cumulative construction noise levels are higher than the noise criterion of 75dB(A).

[2] This NSR would be demolished no later than 2029 under YLSDA Stage 3 in accordance with its latest programme.

[3] The SWL of construction activities at YLSDA and WRF is referenced from EIA report of Housing Sites in Yuen Long South.

Appendix 4.8 Construction Noise Calculation (Mitigated)

YE02

YLSEPP (This Project)

Activity ID	Description	Dist. (m)	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, $L_{eq(30mins)}$	2028 1	2	3	4	5	6	7	8	9	10	11	12	2029 1	2	3	4	5	6	7	8	9	10	11	12	2030 1	2	3	4	5	6	7	8	9	10	11	12	2031 1	2	3	4	5	6	7	8	9	10	11	12	2032 1	2	3	4	5	6	7	8	9	10	11	12
A	**Inlet Work + PST**																																																																			
A1	Mobilisation & Excavation	150	105	0	-52	3	57	57	57	57	57	57	57																																																							
A2	Piling	150	111	0	-52	3	62							62	62	62	62	62	62																																																			
A3	Superstructure	150	116	0	-52	3	67																																																													
A4	Testing and Commissioning																																																																			
B	**Bioreactors / Teritary Treatment**																																																																			
B1	Mobilisation & Excavation	220	105	0	-55	3	53	53	53	53	53	53	53																																																							
B2	Piling	220	111	0	-55	3	60							60	60	60	60	60	60																																																		
B3	Superstructure	220	116	0	-55	3	64																																																													
B4	Testing and Commissioning																																																																			
C	**Sludge Treatment 1**																																																																			
C1	Excavation	230	105	0	-55	3	53								53	53	53	53	53																																																		
C2	Piling	230	120	0	-55	3	68																																																													
C3	Superstructure	230	116	0	-55	3	64																																																													
C4	Testing and Commissioning																																																																			
D	**Sludge Treatment 2 + Organic Waste Receiption**																																																																			
D1	Excavation	340	110	0	-59	3	55					55	55	55	55	55																																																					
D2	Piling	340	120	0	-59	3	64										64	64	64																																																	
D3	Superstructure	340	116	0	-59	3	60																																																												
D4	Testing and Commissioning																																																																			
E	**Roadworks**																																																																			
E1	Roadworks	120	116	0	-50	3	69																																																												
F	**Pipeworks + Buried Utilities**																																																																			
F1	Pipeworks + Buried Utilities	120	115	0	-50	3	68																																																												
G	**Workshop + Store Room + Car Park**																																																																			
G1	Superstructure	390	116	0	-60	3	59																																																												
H	**Sludge Treatment 3 + Admin Building**																																																																			
H1	Piling	420	117	0	-60	3	60																																																												
H2	Superstructure	420	116	0	-60	3	58																																																												
I	**Overall Commissioning Test**																																																																			
J	**Landscaping**																																																																			
							YLSEPP - Cumulative Noise Level, $L_{eq\ (30mins)}$, dB(A)	58	58	58	58	60	60	64	65	65	67	67	67																																																			

Yuen Long South Development Area (YLSDA) (Concurrent Project)

Activity ID	Description	Dist. (m)	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, $L_{eq(30mins)}$	2028 1	2	3	4	5	6	7	8	9	10	11	12	2029 1	2	3	4	5	6	7	8	9	10	11	12	2030 1	2	3	4	5	6	7	8	9	10	11	12	2031 1	2	3	4	5	6	7	8	9	10	11	12	2032 1	2	3	4	5	6	7	8	9	10	11	12
P2K	Site Formation, Road Works and Slope Works	25	107	0	-36	3	74	74	74	74	74	74	74	74	74	74	74	74	74																																																	
							YLSDA - Cumulative Noise Level, $L_{eq\ (30mins)}$, dB(A)	74	74	74	74	74	74	74	74	74	74	74	74																																																			

Water Reclamation Facilities (WRF) (Concurrent Project)

Activity ID	Description	Dist. (m)	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, $L_{eq(30mins)}$	2028 1	2	3	4	5	6	7	8	9	10	11	12	2029 1	2	3	4	5	6	7	8	9	10	11	12	2030 1	2	3	4	5	6	7	8	9	10	11	12	2031 1	2	3	4	5	6	7	8	9	10	11	12	2032 1	2	3	4	5	6	7	8	9	10	11	12
P2E	Site Formation, Slope Works and Sewage Treatment Work (Building) Construction	110	108	0	-49	3	62	62	62	62	62	62	62	62	62	62	62	62	62																																																	
							WRF - Cumulative Noise Level, $L_{eq\ (30mins)}$, dB(A)	62	62	62	62	62	62	62	62	62	62	62	62																																																		

							Overall (YLSEPP + YLSDA + WRF) - Cumulative Noise Level, $L_{eq\ (30mins)}$, dB(A)	74	74	74	74	74	74	75	75	75	75	75	75																																																		

Remark:

[1] Boldfaced values indicate that the cumulative construction noise levels are higher than the noise criterion of 75dB(A).

[2] This NSR would be demolished no later than 2029 under YLSDA Stage 3 in accordance with its latest programme.

[3] The SWL of construction activities at YLSDA and WRF is referenced from EIA report of Housing Sites in Yuen Long South.

Appendix 4.8 Construction Noise Calculation (Mitigated)

YE03

YLSEPP (This Project)

Activity ID	Description	Dist. (m)	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, $L_{eq(30mins)}$	2028 1	2	3	4	5	6	7	8	9	10	11	12
A	**Inlet Work + PST**																		
A1	Mobilisation & Excavation	280	105	0	-57	3	51	51	51	51	51	51	51						
A2	Piling	280	111	0	-57	3	57							57	57	57	57	57	57
A3	Superstructure	280	116	0	-57	3	62												
A4	Testing and Commissioning																		
B	**Bioreactors / Teritary Treatment**																		
B1	Mobilisation & Excavation	380	105	0	-60	3	49	49	49	49	49	49	49						
B2	Piling	380	111	0	-60	3	55							55	55	55	55	55	55
B3	Superstructure	380	116	0	-60	3	59												
B4	Testing and Commissioning																		
C	**Sludge Treatment 1**																		
C1	Excavation	340	105	0	-59	3	50								50	50	50	50	50
C2	Piling	340	120	0	-59	3	64												
C3	Superstructure	340	116	0	-59	3	60												
C4	Testing and Commissioning																		
D	**Sludge Treatment 2 + Organic Waste Receiption**																		
D1	Excavation	420	110	0	-60	3	53					53	53	53	53	53			
D2	Piling	420	120	0	-60	3	62										62	62	62
D3	Superstructure	420	116	0	-60	3	58												
D4	Testing and Commissioning																		
E	**Roadworks**																		
E1	Roadworks	260	116	0	-56	3	63												
F	**Pipeworks + Buried Utilities**																		
F1	Pipeworks + Buried Utilities	260	115	0	-56	3	61												
G	**Workshop + Store Room + Car Park**																		
G1	Superstructure	520	116	0	-62	3	57												
H	**Sludge Treatment 3 + Admin Building**																		
H1	Piling	480	117	0	-62	3	59												
H2	Superstructure	480	116	0	-62	3	57												
I	**Overall Commissioning Test**																		
J	**Landscaping**																		
							YLSEPP - Cumulative Noise Level, $L_{eq\ (30mins)}$, dB(A)	53	53	53	53	56	56	60	60	60	64	64	64

Activity ID	Description	2029 1	2	3	4	5	6	7	8	9	10	11	12
A	**Inlet Work + PST**												
A1	Mobilisation & Excavation												
A2	Piling	57	57	57	57								
A3	Superstructure					62	62	62	62	62	62	62	62
A4	Testing and Commissioning												
B	**Bioreactors / Teritary Treatment**												
B1	Mobilisation & Excavation												
B2	Piling	55	55	55	55								
B3	Superstructure					59	59	59	59	59	59	59	59
B4	Testing and Commissioning												
C	**Sludge Treatment 1**												
C1	Excavation												
C2	Piling	64	64	64	64	64	64	64	64	64			
C3	Superstructure										60	60	60
C4	Testing and Commissioning												
D	**Sludge Treatment 2 + Organic Waste Receiption**												
D1	Excavation												
D2	Piling	62	62	62	62								
D3	Superstructure					58	58	58	58	58	58	58	58
D4	Testing and Commissioning												
E	**Roadworks**												
E1	Roadworks												
F	**Pipeworks + Buried Utilities**												
F1	Pipeworks + Buried Utilities												
G	**Workshop + Store Room + Car Park**												
G1	Superstructure												
H	**Sludge Treatment 3 + Admin Building**												
H1	Piling												
H2	Superstructure												
I	**Overall Commissioning Test**												
J	**Landscaping**												
	YLSEPP - Cumulative Noise Level, $L_{eq\ (30mins)}$, dB(A)	67	67	67	67	68	68	68	68	68	68	66	66

Activity ID	Description	2030 1	2	3	4	5	6	7	8	9	10	11	12
A	**Inlet Work + PST**												
A1	Mobilisation & Excavation												
A2	Piling												
A3	Superstructure	62	62	62	62	62	62	62	62	62	62	62	62
A4	Testing and Commissioning												
B	**Bioreactors / Teritary Treatment**												
B1	Mobilisation & Excavation												
B2	Piling												
B3	Superstructure	59	59	59	59	59	59	59	59	59	59	59	59
B4	Testing and Commissioning												
C	**Sludge Treatment 1**												
C1	Excavation												
C2	Piling												
C3	Superstructure	60	60	60	60	60	60	60	60	60	60	60	60
C4	Testing and Commissioning												
D	**Sludge Treatment 2 + Organic Waste Receiption**												
D1	Excavation												
D2	Piling												
D3	Superstructure	58	58	58	58	58	58	58	58	58	58	58	58
D4	Testing and Commissioning												
E	**Roadworks**												
E1	Roadworks												
F	**Pipeworks + Buried Utilities**												
F1	Pipeworks + Buried Utilities					61	61	61	61	61	61	61	61
G	**Workshop + Store Room + Car Park**												
G1	Superstructure												
H	**Sludge Treatment 3 + Admin Building**												
H1	Piling												
H2	Superstructure												
I	**Overall Commissioning Test**												
J	**Landscaping**												
	YLSEPP - Cumulative Noise Level, $L_{eq\ (30mins)}$, dB(A)	66	66	66	66	67	67	67	67	67	67	67	67

Activity ID	Description	2031 1	2	3	4	5	6	7	8	9	10	11	12
A	**Inlet Work + PST**												
A1	Mobilisation & Excavation												
A2	Piling												
A3	Superstructure	62	62	62									
A4	Testing and Commissioning												
B	**Bioreactors / Teritary Treatment**												
B1	Mobilisation & Excavation												
B2	Piling												
B3	Superstructure	59	59	59									
B4	Testing and Commissioning												
C	**Sludge Treatment 1**												
C1	Excavation												
C2	Piling												
C3	Superstructure	60	60	60	60	60	60	60	60				
C4	Testing and Commissioning												
D	**Sludge Treatment 2 + Organic Waste Receiption**												
D1	Excavation												
D2	Piling												
D3	Superstructure	58	58	58									
D4	Testing and Commissioning												
E	**Roadworks**												
E1	Roadworks					63	63	63	63	63			
F	**Pipeworks + Buried Utilities**												
F1	Pipeworks + Buried Utilities	61	61										
G	**Workshop + Store Room + Car Park**												
G1	Superstructure					57	57	57	57	57	57	57	
H	**Sludge Treatment 3 + Admin Building**												
H1	Piling	59	59	59	59								
H2	Superstructure					57	57	57	57	57	57	57	
I	**Overall Commissioning Test**												
J	**Landscaping**												
	YLSEPP - Cumulative Noise Level, $L_{eq\ (30mins)}$, dB(A)	68	68	67	63	66	66	66	66	66	60	60	

Activity ID	Description	2032 1	2	3	4	5	6	7	8	9	10	11	12
A	**Inlet Work + PST**												
A1	Mobilisation & Excavation												
A2	Piling												
A3	Superstructure												
A4	Testing and Commissioning												
B	**Bioreactors / Teritary Treatment**												
B1	Mobilisation & Excavation												
B2	Piling												
B3	Superstructure												
B4	Testing and Commissioning												
C	**Sludge Treatment 1**												
C1	Excavation												
C2	Piling												
C3	Superstructure												
C4	Testing and Commissioning												
D	**Sludge Treatment 2 + Organic Waste Receiption**												
D1	Excavation												
D2	Piling												
D3	Superstructure												
D4	Testing and Commissioning												
E	**Roadworks**												
E1	Roadworks												
F	**Pipeworks + Buried Utilities**												
F1	Pipeworks + Buried Utilities												
G	**Workshop + Store Room + Car Park**												
G1	Superstructure												
H	**Sludge Treatment 3 + Admin Building**												
H1	Piling												
H2	Superstructure												
I	**Overall Commissioning Test**												
J	**Landscaping**												
	YLSEPP - Cumulative Noise Level, $L_{eq\ (30mins)}$, dB(A)												

Yuen Long South Development Area (YLSDA) (Concurrent Project)

Activity ID	Description	Dist. (m)	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, $L_{eq(30mins)}$	2028 1	2	3	4	5	6	7	8	9	10	11	12
P2K	Site Formation, Road Works and Slope Works	70	107	0	-45	3	65	65	65	65	65	65	65	65	65	65	65	65	65
							YLSDA - Cumulative Noise Level, $L_{eq\ (30mins)}$, dB(A)	65	65	65	65	65	65	65	65	65	65	65	65

Activity ID	Description	2029 1	2	3	4	5	6	7	8	9	10	11	12
P2K	Site Formation, Road Works and Slope Works	65	65	65	65	65	65	65	65	65	65	65	65
	YLSDA - Cumulative Noise Level, $L_{eq\ (30mins)}$, dB(A)	65	65	65	65	65	65	65	65	65	65	65	65

Activity ID	Description	2030 1	2	3	4	5	6	7	8	9	10	11	12
P2K	Site Formation, Road Works and Slope Works	65	65	65	65	65	65	65	65	65	65	65	65
	YLSDA - Cumulative Noise Level, $L_{eq\ (30mins)}$, dB(A)	65	65	65	65	65	65	65	65	65	65	65	65

Activity ID	Description	2031 1	2	3	4	5	6	7	8	9	10	11	12
P2K	Site Formation, Road Works and Slope Works	65	65	65	65	65	65	65	65	65	65	65	
	YLSDA - Cumulative Noise Level, $L_{eq\ (30mins)}$, dB(A)	65	65	65	65	65	65	65	65	65	65	65	

Activity ID	Description	2032 1	2	3	4	5	6	7	8	9	10	11	12
P2K	Site Formation, Road Works and Slope Works												
	YLSDA - Cumulative Noise Level, $L_{eq\ (30mins)}$, dB(A)												

Water Reclamation Facilities (WRF) (Concurrent Project)

Activity ID	Description	Dist. (m)	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, $L_{eq(30mins)}$	2028 1	2	3	4	5	6	7	8	9	10	11	12
P2E	Site Formation, Slope Works and Sewage Treatment Work (Building) Construction	280	108	0	-57	3	54	54	54	54	54	54	54	54	54	54	54	54	54
							WRF - Cumulative Noise Level, $L_{eq\ (30mins)}$, dB(A)	54	54	54	54	54	54	54	54	54	54	54	54

Activity ID	Description	2029 1	2	3	4	5	6	7	8	9	10	11	12
P2E	Site Formation, Slope Works and Sewage Treatment Work (Building) Construction	54	54	54	54	54	54	54	54	54	54	54	54
	WRF - Cumulative Noise Level, $L_{eq\ (30mins)}$, dB(A)	54	54	54	54	54	54	54	54	54	54	54	54

Activity ID	Description	2030 1	2	3	4	5	6	7	8	9	10	11	12
P2E	Site Formation, Slope Works and Sewage Treatment Work (Building) Construction	54	54	54	54	54	54	54	54	54	54	54	54
	WRF - Cumulative Noise Level, $L_{eq\ (30mins)}$, dB(A)	54	54	54	54	54	54	54	54	54	54	54	54

Activity ID	Description	2031 1	2	3	4	5	6	7	8	9	10	11	12
P2E	Site Formation, Slope Works and Sewage Treatment Work (Building) Construction	54	54	54	54	54	54	54	54	54	54	54	
	WRF - Cumulative Noise Level, $L_{eq\ (30mins)}$, dB(A)	54	54	54	54	54	54	54	54	54	54	54	

Activity ID	Description	2032 1	2	3	4	5	6	7	8	9	10	11	12
P2E	Site Formation, Slope Works and Sewage Treatment Work (Building) Construction												
	WRF - Cumulative Noise Level, $L_{eq\ (30mins)}$, dB(A)												

	2028 1	2	3	4	5	6	7	8	9	10	11	12
Overall (YLSEPP + YLSDA + WRF) - Cumulative Noise Level, $L_{eq\ (30mins)}$, dB(A)	66	66	66	66	66	66	67	67	68	68	68	69

	2029 1	2	3	4	5	6	7	8	9	10	11	12
Overall (YLSEPP + YLSDA + WRF) - Cumulative Noise Level, $L_{eq\ (30mins)}$, dB(A)	69	69	69	69	70	70	70	70	70	69	69	69

	2030 1	2	3	4	5	6	7	8	9	10	11	12
Overall (YLSEPP + YLSDA + WRF) - Cumulative Noise Level, $L_{eq\ (30mins)}$, dB(A)	69	69	69	69	70	70	70	70	70	70	70	70

	2031 1	2	3	4	5	6	7	8	9	10	11	12
Overall (YLSEPP + YLSDA + WRF) - Cumulative Noise Level, $L_{eq\ (30mins)}$, dB(A)	70	70	69	67	69	69	69	69	69	67	67	

	2032 1	2	3	4	5	6	7	8	9	10	11	12
Overall (YLSEPP + YLSDA + WRF) - Cumulative Noise Level, $L_{eq\ (30mins)}$, dB(A)												

Remark:

[1] Boldfaced values indicate that the cumulative construction noise levels are higher than the noise criterion of 75dB(A).

[2] Cross outs indicate no PME-invlolved construction activities (i.e. testing and commissioning, overall commissioning test and landscaping) during that period.

[3] The SWL of construction activities at YLSDA and WRF is referenced from EIA report of Housing Sites in Yuen Long South.

Appendix 4.8 Construction Noise Calculation (Mitigated)

YE04

YLSEPP (This Project)

Activity ID	Description	Dist. (m)	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, $L_{eq(30mins)}$	2028 1	2	3	4	5	6	7	8	9	10	11	12
A	**Inlet Work + PST**																		
A1	Mobilisation & Excavation	280	105	0	-57	3	51	51	51	51	51	51	51						
A2	Piling	280	111	0	-57	3	57							57	57	57	57	57	57
A3	Superstructure	280	116	0	-57	3	62												
A4	Testing and Commissioning																		
B	**Bioreactors / Teritary Treatment**																		
B1	Mobilisation & Excavation	380	105	0	-60	3	49	49	49	49	49	49	49						
B2	Piling	380	111	0	-60	3	55							55	55	55	55	55	55
B3	Superstructure	380	116	0	-60	3	59												
B4	Testing and Commissioning																		
C	**Sludge Treatment 1**																		
C1	Excavation	340	105	0	-59	3	50								50	50	50	50	50
C2	Piling	340	120	0	-59	3	64												
C3	Superstructure	340	116	0	-59	3	60												
C4	Testing and Commissioning																		
D	**Sludge Treatment 2 + Organic Waste Receiption**																		
D1	Excavation	410	110	0	-60	3	53					53	53	53	53	53			
D2	Piling	410	120	0	-60	3	63										63	63	63
D3	Superstructure	410	116	0	-60	3	59												
D4	Testing and Commissioning																		
E	**Roadworks**																		
E1	Roadworks	260	116	0	-56	3	63												
F	**Pipeworks + Buried Utilities**																		
F1	Pipeworks + Buried Utilities	260	115	0	-56	3	61												
G	**Workshop + Store Room + Car Park**																		
G1	Superstructure	520	116	0	-62	3	57												
H	**Sludge Treatment 3 + Admin Building**																		
H1	Piling	460	117	0	-61	3	59												
H2	Superstructure	460	116	0	-61	3	58												
I	**Overall Commissioning Test**																		
J	**Landscaping**																		
							YLSEPP - Cumulative Noise Level, $L_{eq\ (30mins)}$, dB(A)	53	53	53	53	56	56	60	60	60	64	64	64

Activity ID	Description	2029 1	2	3	4	5	6	7	8	9	10	11	12
A	**Inlet Work + PST**												
A1	Mobilisation & Excavation												
A2	Piling	57	57	57	57								
A3	Superstructure					62	62	62	62	62	62	62	62
A4	Testing and Commissioning												
B	**Bioreactors / Teritary Treatment**												
B1	Mobilisation & Excavation												
B2	Piling	55	55	55	55								
B3	Superstructure					59	59	59	59	59	59	59	59
B4	Testing and Commissioning												
C	**Sludge Treatment 1**												
C1	Excavation												
C2	Piling	64	64	64	64	64	64	64	64	64			
C3	Superstructure										60	60	60
C4	Testing and Commissioning												
D	**Sludge Treatment 2 + Organic Waste Receiption**												
D1	Excavation												
D2	Piling	63	63	63	63								
D3	Superstructure					59	59	59	59	59	59	59	59
D4	Testing and Commissioning												
E	**Roadworks**												
E1	Roadworks												
F	**Pipeworks + Buried Utilities**												
F1	Pipeworks + Buried Utilities												
G	**Workshop + Store Room + Car Park**												
G1	Superstructure												
H	**Sludge Treatment 3 + Admin Building**												
H1	Piling												
H2	Superstructure												
I	**Overall Commissioning Test**												
J	**Landscaping**												
	YLSEPP - Cumulative Noise Level, $L_{eq\ (30mins)}$, dB(A)	67	67	67	67	68	68	68	68	68	68	66	66

Activity ID	Description	2030 1	2	3	4	5	6	7	8	9	10	11	12
A	**Inlet Work + PST**												
A1	Mobilisation & Excavation												
A2	Piling												
A3	Superstructure	62	62	62	62	62	62	62	62	62	62	62	62
A4	Testing and Commissioning												
B	**Bioreactors / Teritary Treatment**												
B1	Mobilisation & Excavation												
B2	Piling												
B3	Superstructure	59	59	59	59	59	59	59	59	59	59	59	59
B4	Testing and Commissioning												
C	**Sludge Treatment 1**												
C1	Excavation												
C2	Piling												
C3	Superstructure	60	60	60	60	60	60	60	60	60	60	60	60
C4	Testing and Commissioning												
D	**Sludge Treatment 2 + Organic Waste Receiption**												
D1	Excavation												
D2	Piling												
D3	Superstructure	59	59	59	59	59	59	59	59	59	59	59	59
D4	Testing and Commissioning												
E	**Roadworks**												
E1	Roadworks												
F	**Pipeworks + Buried Utilities**												
F1	Pipeworks + Buried Utilities					61	61	61	61	61	61	61	61
G	**Workshop + Store Room + Car Park**												
G1	Superstructure												
H	**Sludge Treatment 3 + Admin Building**												
H1	Piling												
H2	Superstructure												
I	**Overall Commissioning Test**												
J	**Landscaping**												
	YLSEPP - Cumulative Noise Level, $L_{eq\ (30mins)}$, dB(A)	66	66	66	66	67	67	67	67	67	67	67	67

Activity ID	Description	2031 1	2	3	4	5	6	7	8	9	10	11	12
A	**Inlet Work + PST**												
A1	Mobilisation & Excavation												
A2	Piling												
A3	Superstructure	62	62	62									
A4	Testing and Commissioning												
B	**Bioreactors / Teritary Treatment**												
B1	Mobilisation & Excavation												
B2	Piling												
B3	Superstructure	59	59	59									
B4	Testing and Commissioning												
C	**Sludge Treatment 1**												
C1	Excavation												
C2	Piling												
C3	Superstructure	60	60	60	60	60	60	60	60	60			
C4	Testing and Commissioning												
D	**Sludge Treatment 2 + Organic Waste Receiption**												
D1	Excavation												
D2	Piling												
D3	Superstructure	59	59	59									
D4	Testing and Commissioning												
E	**Roadworks**												
E1	Roadworks					63	63	63	63	63			
F	**Pipeworks + Buried Utilities**												
F1	Pipeworks + Buried Utilities	61	61										
G	**Workshop + Store Room + Car Park**												
G1	Superstructure					57	57	57	57	57	57	57	
H	**Sludge Treatment 3 + Admin Building**												
H1	Piling	59	59	59	59								
H2	Superstructure					58	58	58	58	58	58	58	
I	**Overall Commissioning Test**												
J	**Landscaping**												
	YLSEPP - Cumulative Noise Level, $L_{eq\ (30mins)}$, dB(A)	68	68	67	63	66	66	66	66	66	60	60	

Activity ID	Description	2032 1	2	3	4	5	6	7	8	9	10	11	12
A	**Inlet Work + PST**												
A1	Mobilisation & Excavation												
A2	Piling												
A3	Superstructure												
A4	Testing and Commissioning												
B	**Bioreactors / Teritary Treatment**												
B1	Mobilisation & Excavation												
B2	Piling												
B3	Superstructure												
B4	Testing and Commissioning												
C	**Sludge Treatment 1**												
C1	Excavation												
C2	Piling												
C3	Superstructure												
C4	Testing and Commissioning												
D	**Sludge Treatment 2 + Organic Waste Receiption**												
D1	Excavation												
D2	Piling												
D3	Superstructure												
D4	Testing and Commissioning												
E	**Roadworks**												
E1	Roadworks												
F	**Pipeworks + Buried Utilities**												
F1	Pipeworks + Buried Utilities												
G	**Workshop + Store Room + Car Park**												
G1	Superstructure												
H	**Sludge Treatment 3 + Admin Building**												
H1	Piling												
H2	Superstructure												
I	**Overall Commissioning Test**												
J	**Landscaping**												
	YLSEPP - Cumulative Noise Level, $L_{eq\ (30mins)}$, dB(A)												

Yuen Long South Development Area (YLSDA) (Concurrent Project)

Activity ID	Description	Dist. (m)	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, $L_{eq(30mins)}$	2028 1	2	3	4	5	6	7	8	9	10	11	12
P2K	Site Formation, Road Works and Slope Works	100	107	0	-48	3	62	62	62	62	62	62	62	62	62	62	62	62	62
							YLSDA - Cumulative Noise Level, $L_{eq\ (30mins)}$, dB(A)	62	62	62	62	62	62	62	62	62	62	62	62

Activity ID	Description	2029 1	2	3	4	5	6	7	8	9	10	11	12
P2K	Site Formation, Road Works and Slope Works	62	62	62	62	62	62	62	62	62	62	62	62
	YLSDA - Cumulative Noise Level, $L_{eq\ (30mins)}$, dB(A)	62	62	62	62	62	62	62	62	62	62	62	62

Activity ID	Description	2030 1	2	3	4	5	6	7	8	9	10	11	12
P2K	Site Formation, Road Works and Slope Works	62	62	62	62	62	62	62	62	62	62	62	62
	YLSDA - Cumulative Noise Level, $L_{eq\ (30mins)}$, dB(A)	62	62	62	62	62	62	62	62	62	62	62	62

Activity ID	Description	2031 1	2	3	4	5	6	7	8	9	10	11	12
P2K	Site Formation, Road Works and Slope Works	62	62	62	62	62	62	62	62	62	62	62	
	YLSDA - Cumulative Noise Level, $L_{eq\ (30mins)}$, dB(A)	62	62	62	62	62	62	62	62	62	62	62	

Activity ID	Description	2032 1	2	3	4	5	6	7	8	9	10	11	12
P2K	Site Formation, Road Works and Slope Works												
	YLSDA - Cumulative Noise Level, $L_{eq\ (30mins)}$, dB(A)												

Water Reclamation Facilities (WRF) (Concurrent Project)

Activity ID	Description	Dist. (m)	SWL, dB(A)	Corrections, dB(A) Screen	Dist.	Façade	SPL, $L_{eq(30mins)}$	2028 1	2	3	4	5	6	7	8	9	10	11	12
P2E	Site Formation, Slope Works and Sewage Treatment Work (Building) Construction	270	108	0	-57	3	54	54	54	54	54	54	54	54	54	54	54	54	54
							WRF - Cumulative Noise Level, $L_{eq\ (30mins)}$, dB(A)	54	54	54	54	54	54	54	54	54	54	54	54

Activity ID	Description	2029 1	2	3	4	5	6	7	8	9	10	11	12
P2E	Site Formation, Slope Works and Sewage Treatment Work (Building) Construction	54	54	54	54	54	54	54	54	54	54	54	54
	WRF - Cumulative Noise Level, $L_{eq\ (30mins)}$, dB(A)	54	54	54	54	54	54	54	54	54	54	54	54

Activity ID	Description	2030 1	2	3	4	5	6	7	8	9	10	11	12
P2E	Site Formation, Slope Works and Sewage Treatment Work (Building) Construction	54	54	54	54	54	54	54	54	54	54	54	54
	WRF - Cumulative Noise Level, $L_{eq\ (30mins)}$, dB(A)	54	54	54	54	54	54	54	54	54	54	54	54

Activity ID	Description	2031 1	2	3	4	5	6	7	8	9	10	11	12
P2E	Site Formation, Slope Works and Sewage Treatment Work (Building) Construction	54	54	54	54	54	54	54	54	54	54	54	
	WRF - Cumulative Noise Level, $L_{eq\ (30mins)}$, dB(A)	54	54	54	54	54	54	54	54	54	54	54	

Activity ID	Description	2032 1	2	3	4	5	6	7	8	9	10	11	12
P2E	Site Formation, Slope Works and Sewage Treatment Work (Building) Construction												
	WRF - Cumulative Noise Level, $L_{eq\ (30mins)}$, dB(A)												

	2028 1	2	3	4	5	6	7	8	9	10	11	12	2029 1	2	3	4	5	6	7	8	9	10	11	12
Overall (YLSEPP + YLSDA + WRF) - Cumulative Noise Level, $L_{eq\ (30mins)}$, dB(A)	63	63	63	63	64	64	65	65	65	67	67	67	68	68	68	68	69	69	69	69	69	69	68	68

	2030 1	2	3	4	5	6	7	8	9	10	11	12	2031 1	2	3	4	5	6	7	8	9	10	11	12
Overall (YLSEPP + YLSDA + WRF) - Cumulative Noise Level, $L_{eq\ (30mins)}$, dB(A)	68	68	68	68	69	69	69	69	69	69	69	69	69	69	68	66	68	68	68	68	68	65	65	

	2032 1	2	3	4	5	6	7	8	9	10	11	12
Overall (YLSEPP + YLSDA + WRF) - Cumulative Noise Level, $L_{eq\ (30mins)}$, dB(A)												

Remark:

[1] Boldfaced values indicate that the cumulative construction noise levels are higher than the noise criterion of 75dB(A).

[2] Cross outs indicate no PME-invlolved construction activities (i.e. testing and commissioning, overall commissioning test and landscaping) during that period.

[3] The SWL of construction activities at YLSDA and WRF is referenced from EIA report of Housing Sites in Yuen Long South.