

Appendix G - Noise Monitoring Results

Location NC1 - True Light Middle School of Hong Kong							
Date	Time	Weather	Unit: dB (A) (30-min)				
			Measured Noise Level			Baseline Level	Construction Noise Level
			L _{eq}	L ₁₀	L ₉₀	L _{eq}	L _{eq}
3-Jun-09	10:40	Cloudy	66.5	68.5	63.5	70.2	66.5 Measured ≤ Baseline
9-Jun-09	13:00	Cloudy	67.4	69.8	64.7		67.4 Measured ≤ Baseline
19-Jun-09	09:30	Sunny	66.8	69.2	64.2		66.8 Measured ≤ Baseline
26-Jun-09	09:20	Cloudy	66.2	68.5	63.6		66.2 Measured ≤ Baseline

Location NC2 - The Legend							
Date	Time	Weather	Unit: dB (A) (30-min)				
			Measured Noise Level			Baseline Level	Construction Noise Level
			L _{eq}	L ₁₀	L ₉₀	L _{eq}	L _{eq}
3-Jun-09	11:25	Cloudy	65.3	66.5	63.0	64.8	55.7
9-Jun-09	14:40	Cloudy	74.6	79.5	68.9		74.1
19-Jun-09	10:55	Sunny	67.6	69.9	64.6		64.4
26-Jun-09	10:45	Cloudy	67.4	69.0	64.8		63.9

Location NC3 - Outside Aegean Terrace							
Date	Time	Weather	Unit: dB (A) (30-min)				
			Measured Noise Level			Baseline Level	Construction Noise Level
			L _{eq}	L ₁₀	L ₉₀	L _{eq}	L _{eq}
3-Jun-09	15:30	Cloudy	52.7	53.5	51.0	57.7	52.7 Measured ≤ Baseline
9-Jun-09	16:30	Cloudy	55.7	56.8	54.2		55.7 Measured ≤ Baseline
19-Jun-09	13:25	Sunny	53.2	56.2	50.8		53.2 Measured ≤ Baseline
26-Jun-09	13:30	Cloudy	53.7	55.6	48.9		53.7 Measured ≤ Baseline

Location NC15 - Hong Kong Academy							
Date	Time	Weather	Unit: dB (A) (30-min)				
			Measured Noise Level			Baseline Level	Construction Noise Level
			L _{eq}	L ₁₀	L ₉₀	L _{eq}	L _{eq}
3-Jun-09	13:00	Cloudy	67.1	68.5	64.0	63.5	64.6
9-Jun-09	11:20	Cloudy	64.8	66.2	62.7		58.9
19-Jun-09	14:25	Sunny	65.8	68.3	62.7		61.9
26-Jun-09	16:00	Cloudy	65.8	67.9	63.4		61.9

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Location GNC1 - True Light Middle School of Hong Kong					
Date	Time	Weather	Unit: dB (A) (30-min)		
			Measured Noise Level		
			L _{eq}	L ₁₀	L ₉₀
9-Jun-09	13:45	Cloudy	57.2	58.5	55.4
19-Jun-09	10:10	Sunny	55.3	57.6	52.8
26-Jun-09	10:00	Cloudy	54.7	56.5	50.3

Location GNC2 - The Legend					
Date	Time	Weather	Unit: dB (A) (30-min)		
			Measured Noise Level		
			L _{eq}	L ₁₀	L ₉₀
9-Jun-09	15:20	Cloudy	53.8	55.5	51.8
19-Jun-09	11:35	Sunny	54.1	57.0	50.7
26-Jun-09	11:30	Cloudy	53.8	55.0	50.8

Location GNC4 - Crane Court					
Date	Time	Weather	Unit: dB (A) (30-min)		
			Measured Noise Level		
			L _{eq}	L ₁₀	L ₉₀
3-Jun-09	14:50	Cloudy	49.3	50.5	48.5
9-Jun-09	17:10	Cloudy	49.4	50.2	48.6
19-Jun-09	17:00	Cloudy	53.2	54.9	49.6
26-Jun-09	14:20	Cloudy	55.3	57.0	50.2

Appendix G - Noise Monitoring Results

(Restricted Hours - 07:00 to 23:00 holidays & 19:00 to 23:00 on all other days)

Location NC1a - Outside True Light Middle School of Hong Kong												
Date	Time	Weather	dB (A) (5-min)				Average L _{eq}	(Reference) Baseline Level	(Reference) Construction Noise Level, L _{eq}			
			L _{eq}	L ₁₀	L ₉₀	L _{eq}		L _{eq}				
3-Jun-09	19:00	Cloudy	67.6	68.5	64.5	67.6	65.8	62.9				
	19:05		67.3	69.0	64.5							
	19:10		67.8	69.0	64.5							
7-Jun-09	09:35	Sunny	65.3	69.5	58.0	65.3			65.8	65.3 Measured ≤ Baseline		
	09:40		65.5	70.5	58.5							
	09:45		65.1	69.5	58.5							
9-Jun-09	19:00	Cloudy	68.2	69.5	65.5	67.9				65.8	63.7	
	19:05		67.6	69.0	65.5							
	19:10		67.9	69.5	65.5							
14-Jun-09	09:20	Cloudy	68.8	70.5	64.5	68.2					65.8	64.5
	09:25		67.4	70.0	64.0							
	09:30		68.3	70.5	64.0							
19-Jun-09	19:00	Cloudy	67.3	69.6	63.8	67.3	65.8	62.0				
	19:05		67.4	69.5	63.9							
	19:10		67.2	69.6	63.6							
21-Jun-09	10:30	Cloudy	65.3	69.0	58.0	65.2		65.8	65.2 Measured ≤ Baseline			
	10:35		64.9	68.8	57.7							
	10:40		65.5	69.2	58.4							
28-Jun-09	09:10	Cloudy	67.3	69.0	63.5	67.3			65.8	62.0		
	09:15		67.8	69.5	64.0							
	09:20		66.9	68.5	63.0							
30-Jun-09	21:05	Fine	63.7	66.2	58.3	63.7				65.8	63.7 Measured ≤ Baseline	
	21:10		64.2	66.8	58.5							
	21:15		63.0	65.7	58.3							

(Restricted Hours - 07:00 to 23:00 holidays & 19:00 to 23:00 on all other days)

Location NC2 - The Legend												
Date	Time	Weather	dB (A) (5-min)				Average L _{eq}	Baseline Level	Construction Noise Level			
			L _{eq}	L ₁₀	L ₉₀	L _{eq}		L _{eq}				
3-Jun-09	19:30	Cloudy	63.4	64.5	62.0	63.3	59.1	61.2				
	19:35		63.2	64.0	61.5							
	19:40		63.2	64.5	61.5							
7-Jun-09	09:00	Sunny	58.7	62.5	55.0	58.8			59.1	58.8 Measured ≤ Baseline		
	09:05		59.2	62.5	56.0							
	09:10		58.5	62.5	55.5							
9-Jun-09	19:50	Cloudy	63.1	64.5	62.0	63.2				59.1	61.1	
	19:55		63.4	64.5	62.0							
	20:00		63.2	64.5	62.0							
14-Jun-09	09:50	Cloudy	65.8	67.0	63.0	65.7					59.1	64.6
	09:55		65.3	67.0	63.0							
	10:00		66.1	67.5	63.0							
19-Jun-09	19:30	Cloudy	64.1	66.8	60.6	63.9	59.1	62.2				
	19:35		63.9	66.6	60.3							
	19:40		63.8	66.5	60.3							
21-Jun-09	09:30	Cloudy	57.9	61.4	53.7	58.2		59.1	58.2 Measured ≤ Baseline			
	09:35		58.3	61.9	54.1							
	09:40		58.4	62.1	54.3							
28-Jun-09	09:50	Cloudy	63.9	66.5	61.0	63.5			59.1	61.5		
	09:55		63.5	66.0	61.0							
	10:00		63.1	65.5	60.5							
30-Jun-09	22:00	Fine	62.1	63.0	61.2	62.4				59.1	59.7	
	22:05		62.5	63.9	61.2							
	22:10		62.5	63.8	61.3							

(Restricted Hours - 07:00 to 23:00 holidays & 19:00 to 23:00 on all other days)

Location NC3 - Outside Aegean Terrace																						
Date	Time	Weather	dB (A) (5-min)				Average L _{eq}	Baseline Level	Construction Noise Level													
			L _{eq}	L ₁₀	L ₉₀	L _{eq}		L _{eq}														
3-Jun-09	20:35	Cloudy	49.4	50.0	48.5	49.5	53.8	49.5 Measured ≤ Baseline														
	20:40		49.6	50.5	49.0																	
	20:45		49.6	50.0	49.0																	
7-Jun-09	10:30	Sunny	52.1	55.5	49.0	52.5			53.8	52.5 Measured ≤ Baseline												
	10:35		52.5	55.5	49.0																	
	10:40		52.8	56.0	49.5																	
9-Jun-09	21:10	Cloudy	49.8	50.5	48.5	49.5					53.8	49.5 Measured ≤ Baseline										
	21:15		49.4	50.5	48.5																	
	21:20		49.4	50.5	48.5																	
14-Jun-09	13:40	Cloudy	49.8	50.5	49.0	50.0							53.8	50.0 Measured ≤ Baseline								
	13:45		50.1	51.0	49.5																	
	13:50		50.0	51.0	49.0																	
19-Jun-09	20:35	Cloudy	49.7	51.9	47.2	49.7									53.8	49.7 Measured ≤ Baseline						
	20:40		49.9	52.1	47.3																	
	20:45		49.5	51.7	46.9																	
21-Jun-09	13:00	Cloudy	51.0	54.3	45.8	51.0											53.8	51.0 Measured ≤ Baseline				
	13:05		51.5	54.9	46.2																	
	13:10		50.6	54.1	45.5																	
28-Jun-09	13:40	Cloudy	52.6	55.0	50.5	52.1													53.8	52.1 Measured ≤ Baseline		
	13:45		51.6	54.5	50.0																	
	13:50		51.9	54.5	50.0																	
30-Jun-09	20:10	Fine	51.5	53.5	48.4	51.8															53.8	51.8 Measured ≤ Baseline
	20:15		52.6	54.7	48.6																	
	20:20		51.2	53.4	48.2																	

(Restricted Hours - 07:00 to 23:00 holidays & 19:00 to 23:00 on all other days)

Location GNC2 - The Legend																		
Date	Time	Weather	dB (A) (5-min)				Average L _{eq}	Baseline Level	Construction Noise Level									
			L _{eq}	L ₁₀	L ₉₀	L _{eq}												
9-Jun-09	19:25	Cloudy	51.3	52.5	49.5	51.2	53.8	51.2 Measured ≤ Baseline										
	19:30		51.1	52.5	50.0													
	19:35		51.1	52.5	50.0													
14-Jun-09	10:10	Cloudy	51.3	52.3	49.5	51.3			53.8	51.3 Measured ≤ Baseline								
	10:15		51.1	53.0	50.0													
	10:20		51.6	53.0	50.0													
19-Jun-09	19:55	Cloudy	50.7	52.2	48.3	50.5					53.8	50.5 Measured ≤ Baseline						
	20:00		50.6	52.0	48.3													
	20:05		50.3	52.0	48.1													
21-Jun-09	09:55	Cloudy	51.2	52.9	48.4	51.0							53.8	51.0 Measured ≤ Baseline				
	10:00		50.9	52.7	48.2													
	10:05		50.8	52.7	48.0													
28-Jun-09	10:10	Cloudy	51.6	52.0	49.5	51.7									53.8	51.7 Measured ≤ Baseline		
	10:15		51.9	52.5	49.5													
	10:20		51.7	52.5	49.5													
30-Jun-09	21:30	Fine	52.4	54.1	50.5	52.7											53.8	52.7 Measured ≤ Baseline
	21:35		52.7	54.7	50.6													
	21:40		53.1	54.9	51.0													

(Restricted Hours - 07:00 to 23:00 holidays & 19:00 to 23:00 on all other days)

Location GNC4 - Crane Court																						
Date	Time	Weather	dB (A) (5-min)				Average L _{eq}	Baseline Level	Construction Noise Level													
			L _{eq}	L ₁₀	L ₉₀	L _{eq}																
3-Jun-09	20:10	Cloudy	48.9	49.5	48.5	49.1	53.8	49.1 Measured ≤ Baseline														
	20:15		49.2	50.0	48.5																	
	20:20		49.1	50.0	48.5																	
7-Jun-09	11:10	Sunny	49.6	50.5	47.5	49.5			53.8	49.5 Measured ≤ Baseline												
	11:15		49.3	50.0	47.0																	
	11:20		49.5	50.0	47.0																	
9-Jun-09	20:45	Cloudy	48.7	49.5	48.0	48.7					53.8	48.7 Measured ≤ Baseline										
	20:50		48.8	49.5	47.5																	
	20:55		48.7	49.5	48.0																	
14-Jun-09	13:15	Cloudy	49.2	50.5	48.0	49.2							53.8	49.2 Measured ≤ Baseline								
	13:20		49.3	50.5	48.5																	
	13:25		49.2	50.5	48.0																	
19-Jun-09	20:50	Cloudy	51.2	53.0	48.6	51.1									53.8	51.1 Measured ≤ Baseline						
	20:55		51.3	53.0	48.7																	
	21:00		50.9	52.7	48.5																	
21-Jun-09	13:50	Cloudy	48.5	49.3	46.9	48.5											53.8	48.5 Measured ≤ Baseline				
	13:55		48.7	49.9	47.0																	
	14:00		48.2	49.8	46.6																	
28-Jun-09	13:15	Cloudy	49.7	51.0	48.0	49.6													53.8	49.6 Measured ≤ Baseline		
	13:20		49.3	50.5	47.5																	
	13:25		49.8	51.0	48.0																	
30-Jun-09	19:25	Fine	50.8	52.1	48.4	50.7															53.8	50.7 Measured ≤ Baseline
	19:30		50.6	51.9	48.3																	
	19:35		50.6	51.9	48.4																	

(Restricted Hours - 23:00 to 07:00 on all days)

Location NC1a - Outside True Light Middle School of Hong Kong														
Date	Time	Weather	dB (A) (5-min)				(Reference) Baseline Level	(Reference) Construction Noise Level, L _{eq}						
			L _{eq}	L ₁₀	L ₉₀	Average L _{eq}	L _{eq}	L _{eq}						
3-Jun-09	23:40	Cloudy	58.6	59.5	56.0	58.4	60.7	58.4 Measured ≤ Baseline						
	23:45		58.2	59.0	55.5									
	23:50		58.5	59.5	56.0									
9-Jun-09	23:00	Cloudy	60.3	62.5	54.5	60.6			60.7	60.6 Measured ≤ Baseline				
	23:05		61.1	63.0	54.0									
	23:10		60.5	63.0	54.0									
19-Jun-09	23:50	Fine	60.4	64.1	54.4	60.3					60.7	60.3 Measured ≤ Baseline		
	23:55		59.9	63.7	53.9									
	00:00		60.6	64.3	54.2									
1-Jul-09	00:50	Fine	60.1	63.6	53.9	60.1							60.7	60.1 Measured ≤ Baseline
	00:55		59.8	63.4	54.5									
	01:00		60.3	63.7	54.8									

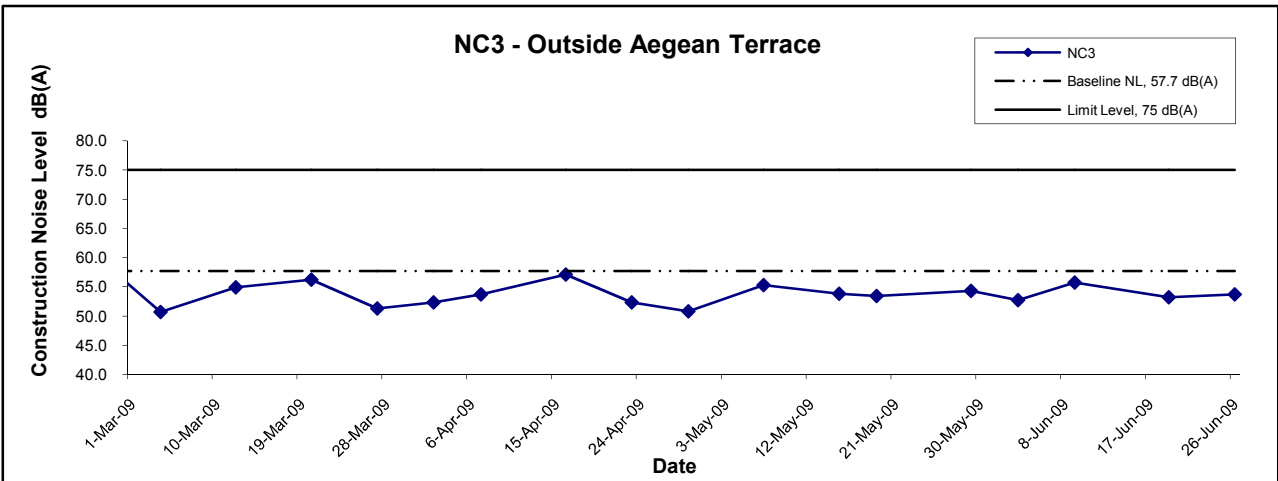
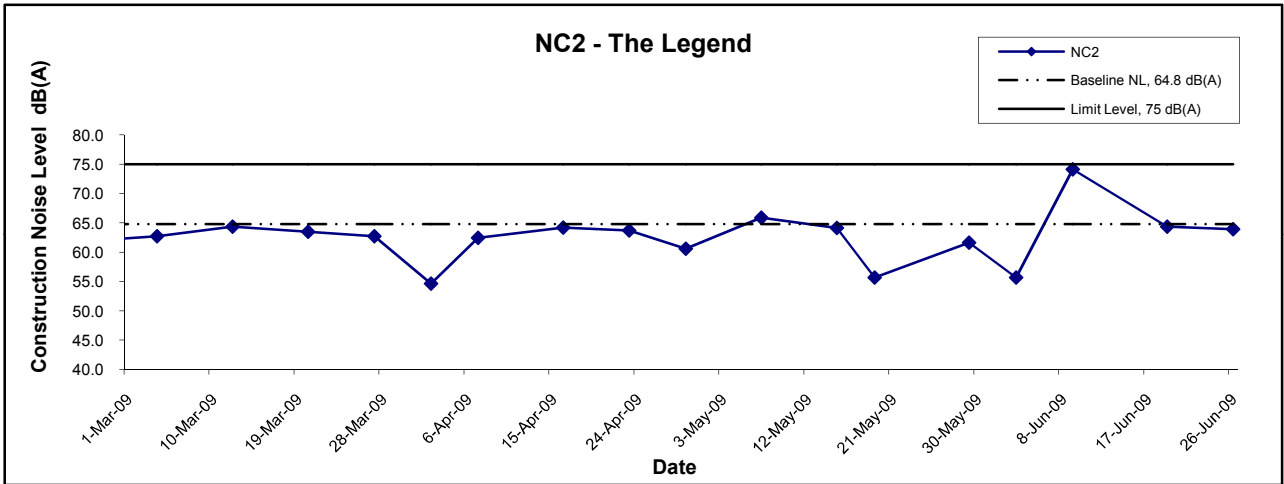
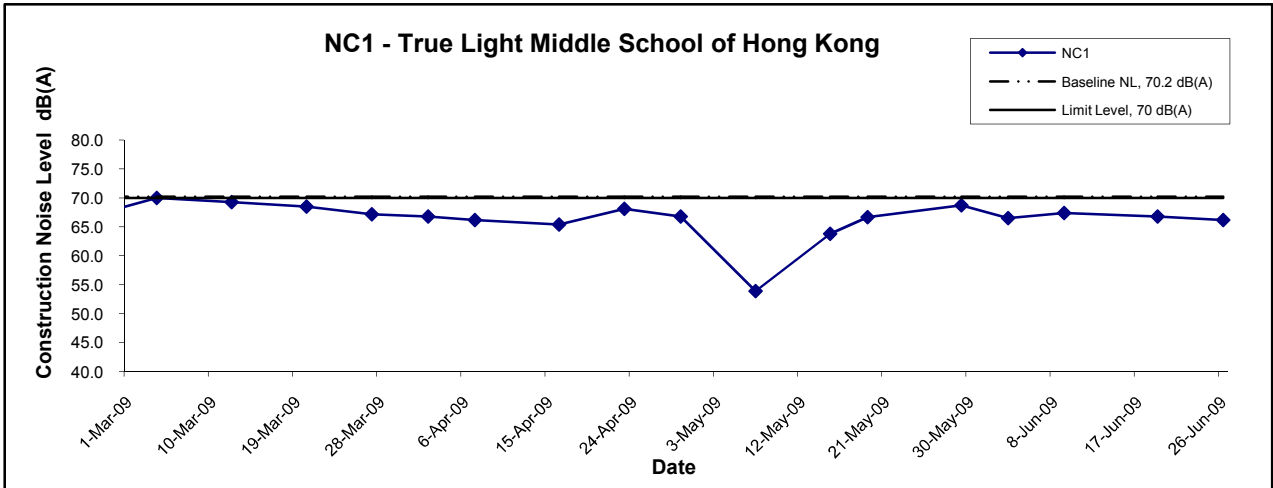
(Restricted Hours - 23:00 to 07:00 on all days)

Location NC2 - The Legend														
Date	Time	Weather	dB (A) (5-min)				Baseline Level	Construction Noise Level						
			L _{eq}	L ₁₀	L ₉₀	Average L _{eq}	L _{eq}	L _{eq}						
3-Jun-09	23:00	Cloudy	52.7	56.0	50.5	52.4	53.9	52.4 Measured ≤ Baseline						
	23:05		52.4	56.0	50.0									
	23:10		52.2	56.0	50.0									
9-Jun-09	23:25	Cloudy	54.1	56.5	51.0	53.9			53.9	53.9 Measured ≤ Baseline				
	23:30		53.8	56.5	50.5									
	23:35		53.8	56.0	51.0									
19-Jun-09	23:00	Fine	54.0	56.9	51.3	53.8					53.9	53.8 Measured ≤ Baseline		
	23:05		53.7	56.9	51.2									
	23:10		53.8	57.0	51.4									
30-Jun-09	23:10	Fine	53.7	57.2	51.3	53.8							53.9	53.8 Measured ≤ Baseline
	23:15		54.0	57.0	51.6									
	23:20		53.6	56.6	50.9									

(Restricted Hours - 23:00 to 07:00 on all days)

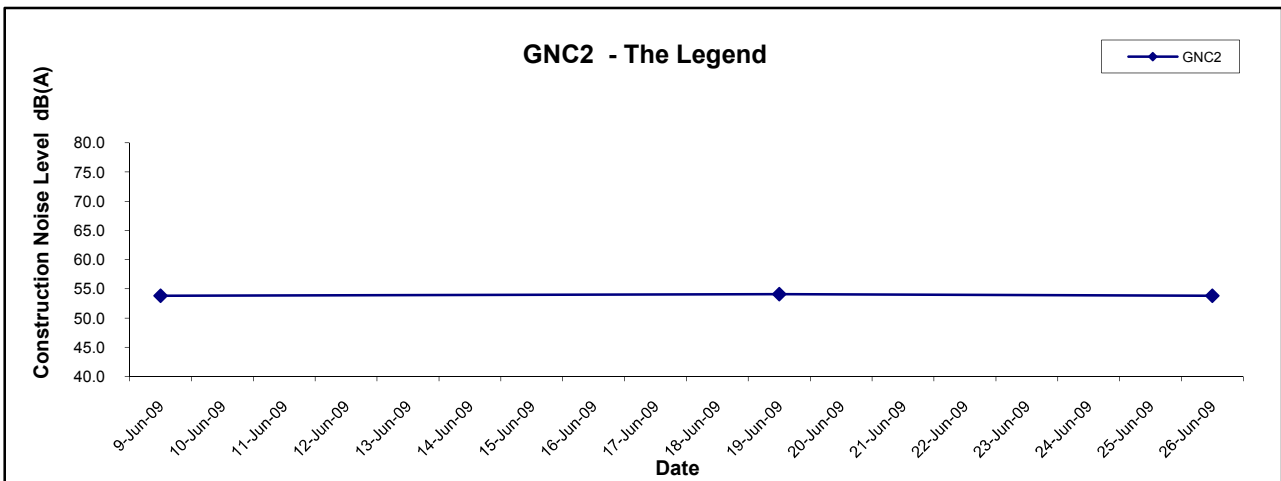
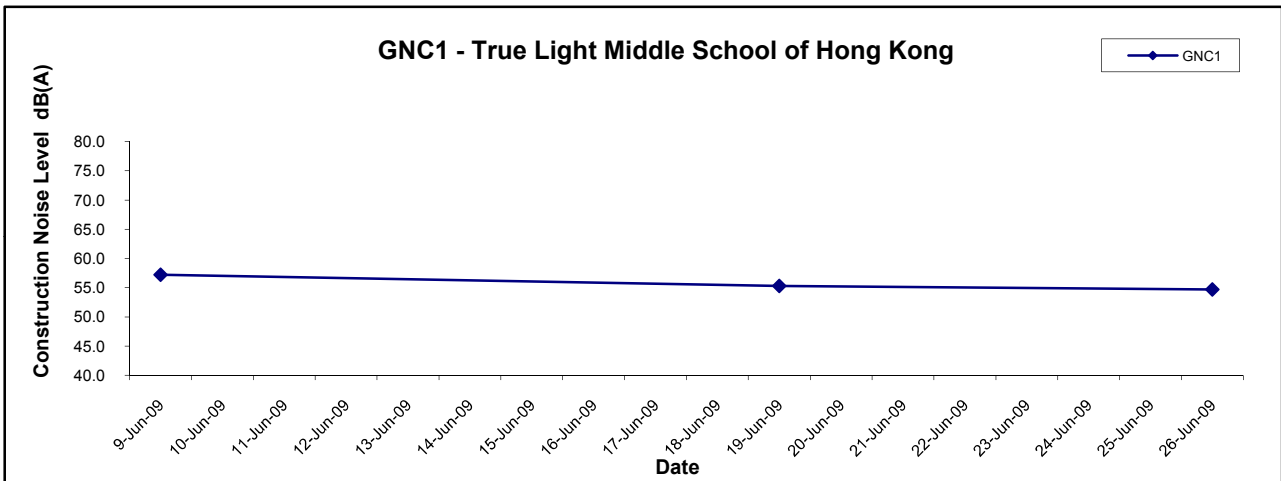
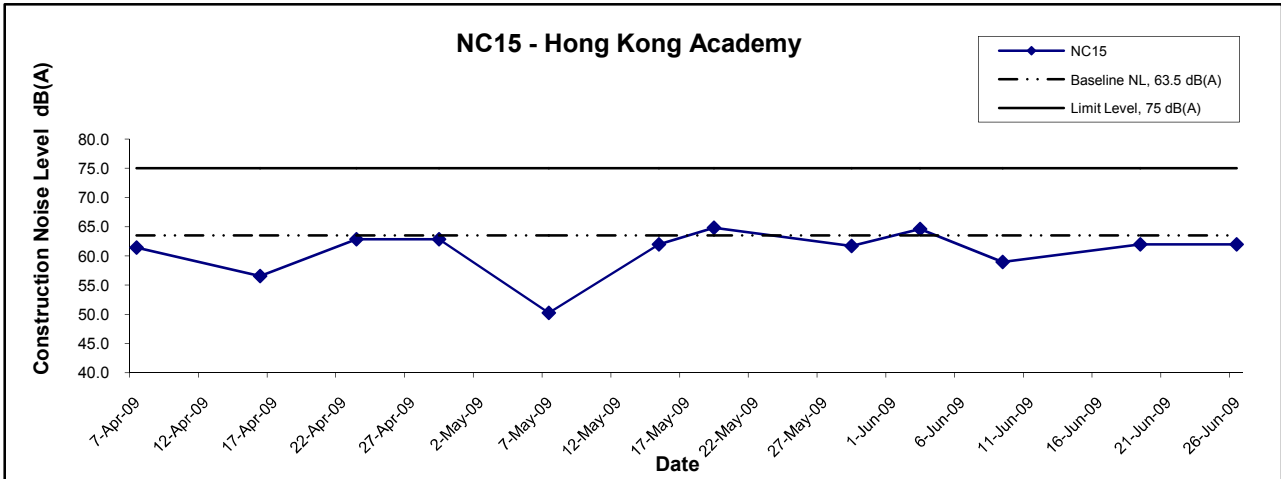
Location NC3 - Outside Aegean Terrace														
Date	Time	Weather	dB (A) (5-min)				Baseline Level	Construction Noise Level						
			L _{eq}	L ₁₀	L ₉₀	Average L _{eq}	L _{eq}	L _{eq}						
4-Jun-09	00:30	Cloudy	51.0	55.0	48.5	51.3	52.0	51.3 Measured ≤ Baseline						
	00:35		51.3	55.0	48.5									
	00:40		51.7	55.5	49.0									
9-Jun-09	00:40	Cloudy	49.2	50.0	48.5	49.0			52.0	49.0 Measured ≤ Baseline				
	00:45		48.7	49.5	48.0									
	00:50		49.0	50.0	48.0									
20-Jun-09	01:00	Fine	50.7	53.6	45.3	50.8					52.0	50.8 Measured ≤ Baseline		
	01:05		50.5	53.8	45.5									
	01:10		51.3	54.1	45.8									
1-Jul-09	02:00	Fine	49.2	51.3	47.9	49.3							52.0	49.3 Measured ≤ Baseline
	02:05		48.7	51.0	47.5									
	02:10		49.8	51.8	48.1									

Noise Levels



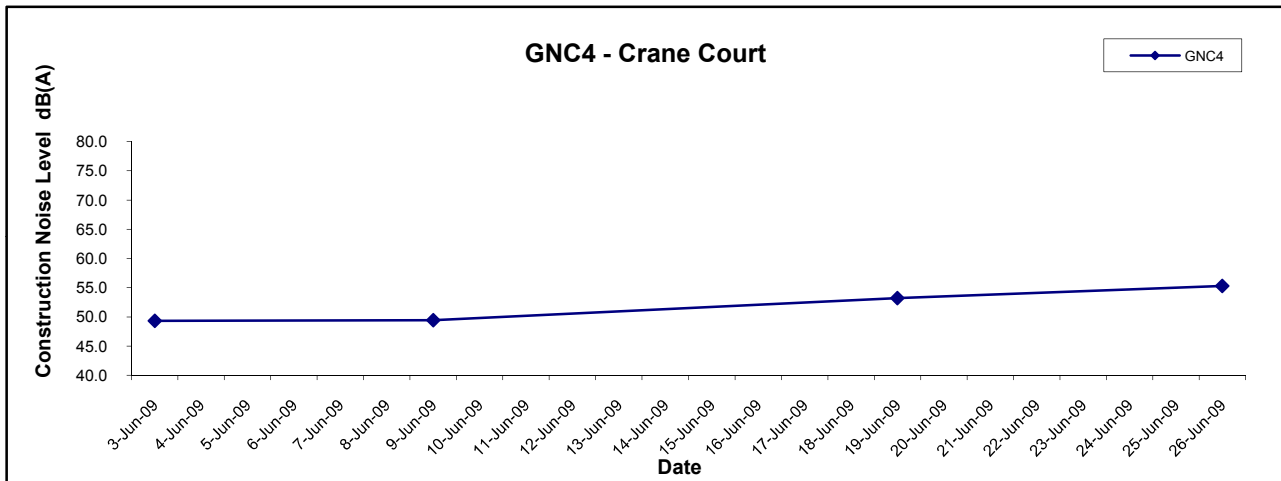
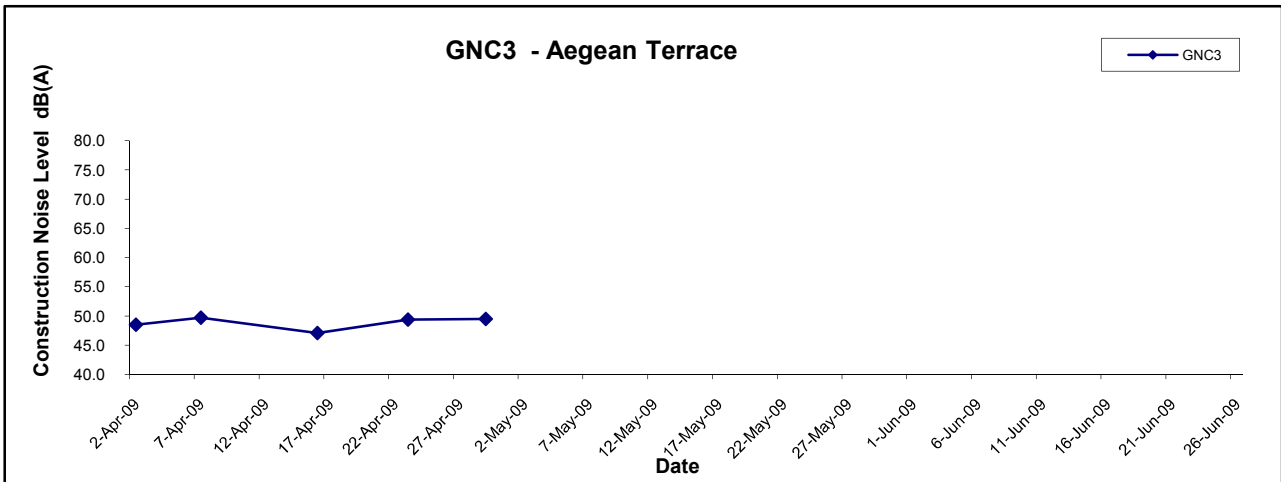
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	Date	Jun 09	Appendix	G	

Noise Levels



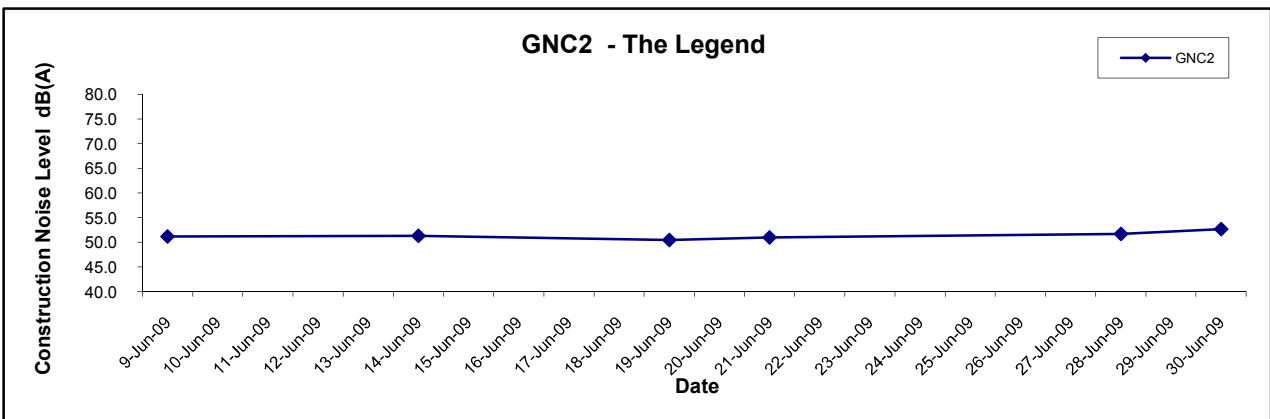
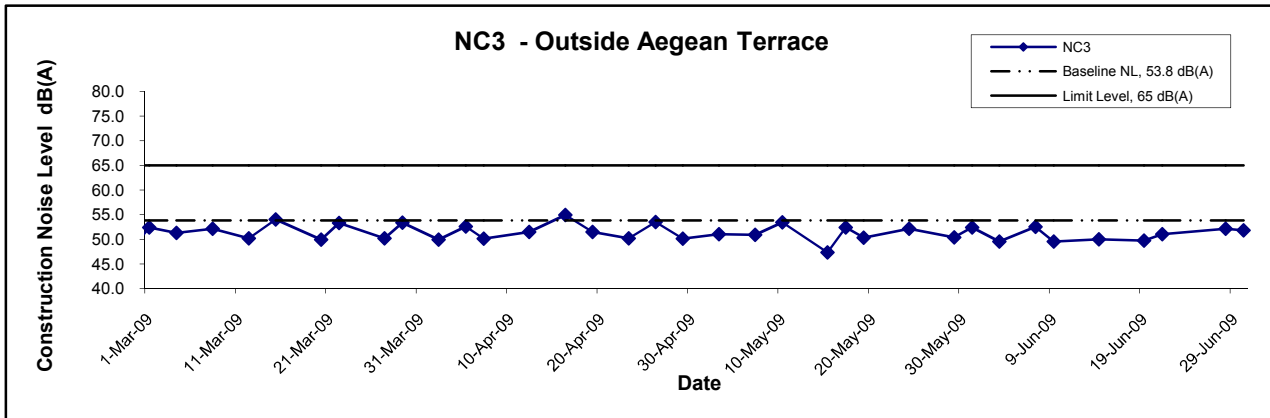
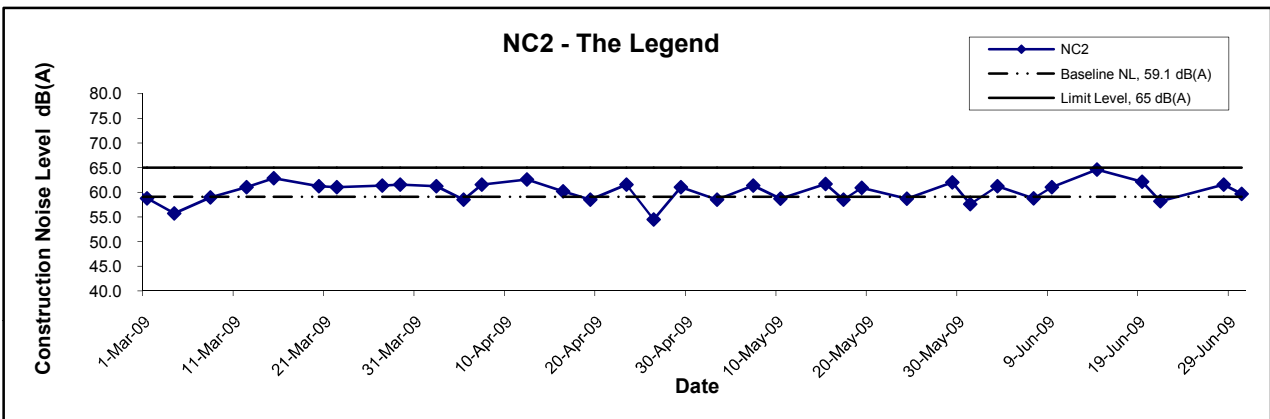
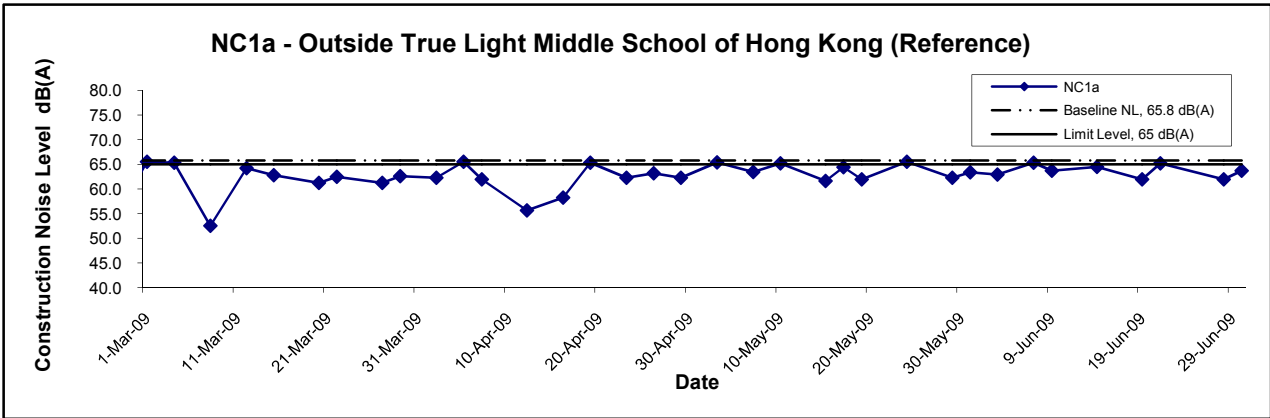
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	Date	Jun 09	Appendix	G	

Noise Levels



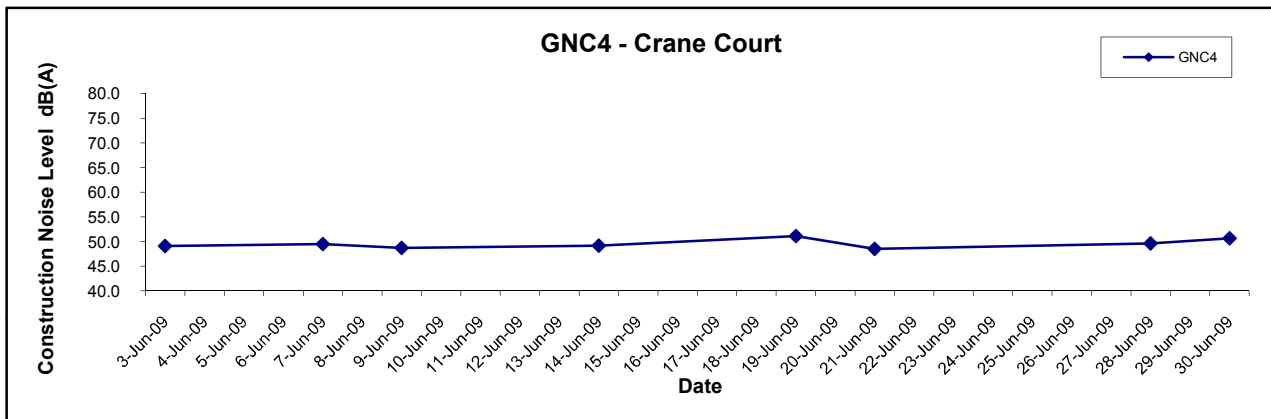
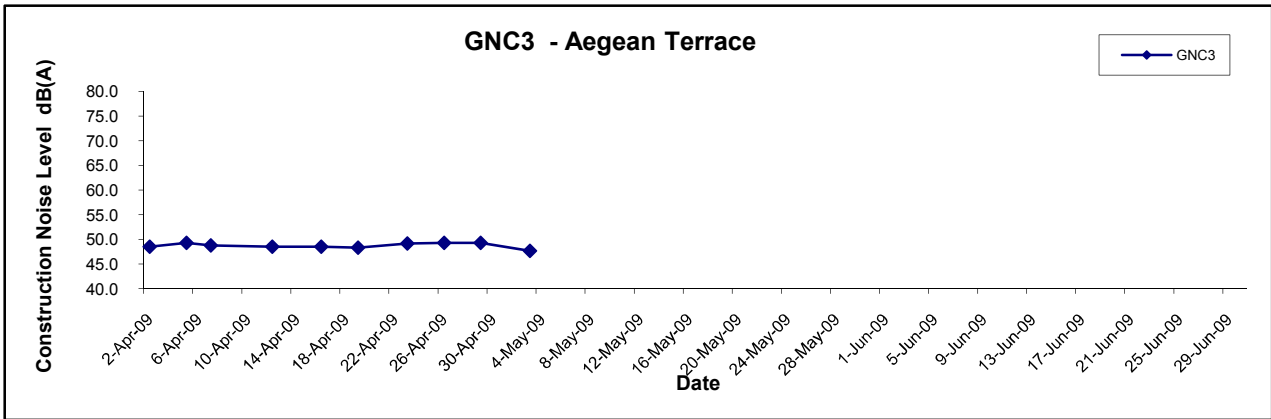
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	Date Jun 09	Appendix G	

Noise Levels (Restricted Hours - 07:00 - 23:00 holidays & 19:00 - 23:00 on all other days)



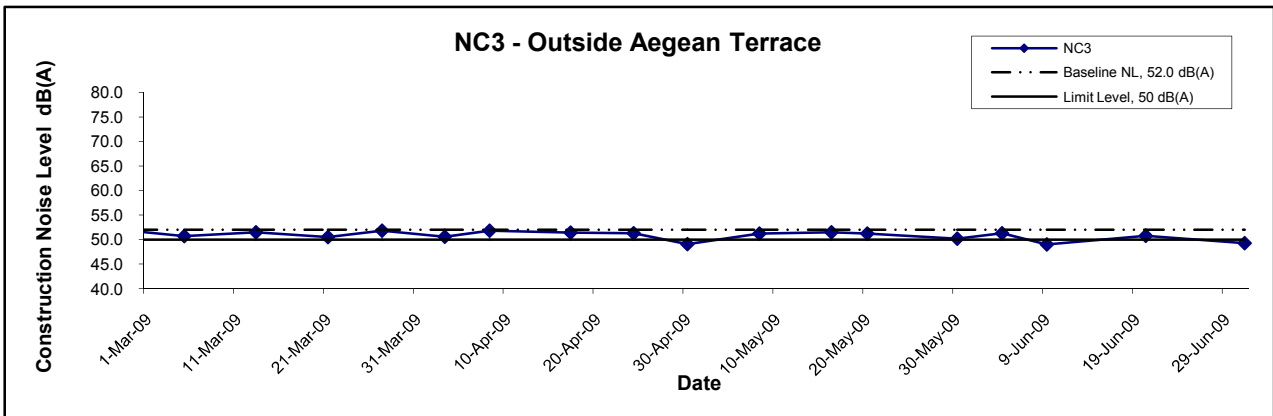
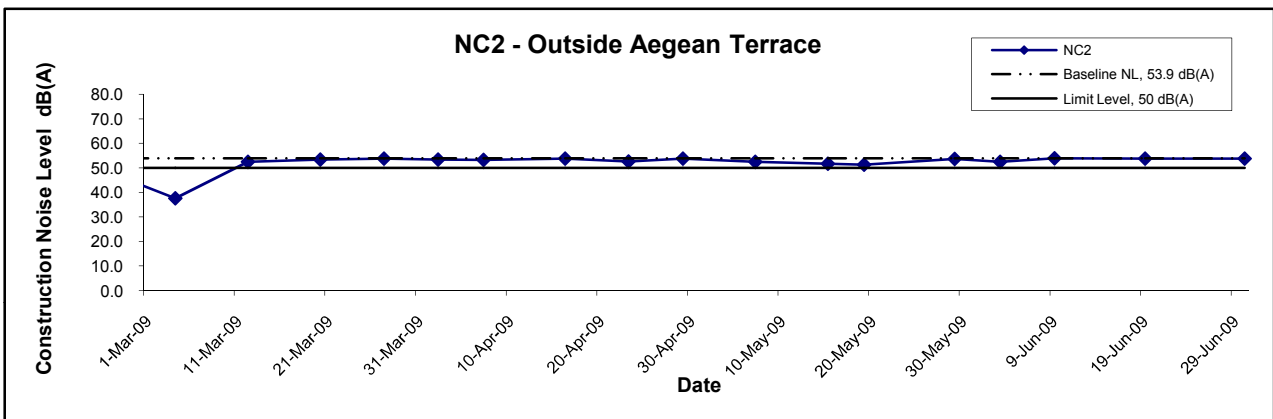
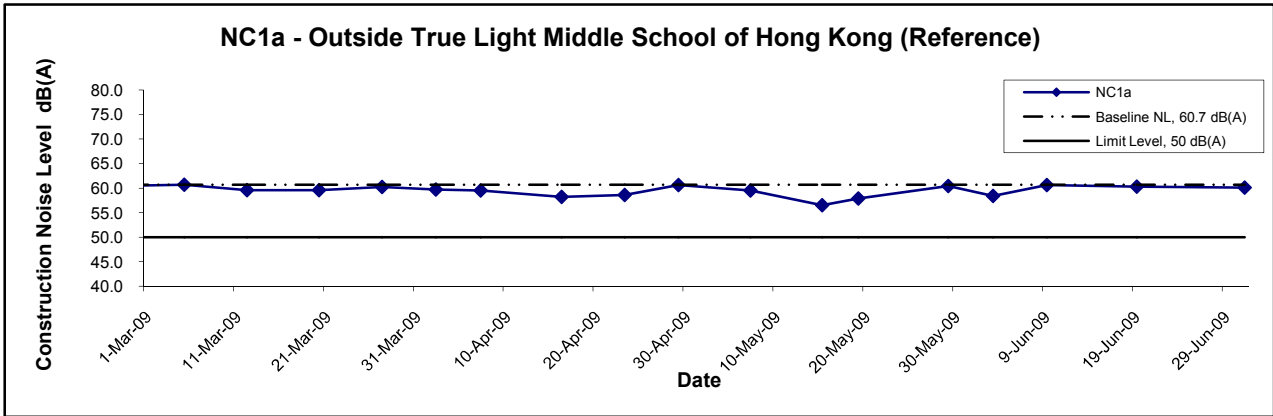
Title Contract No. DC/2007/10 Design and Construction of Hong Kong West Drainage Tunnel Graphical Presentation of Construction Noise Monitoring Results	Scale N.T.S	Project No. MA8001	
	Date Jun 09	Appendix G	

Noise Levels
(Restricted Hours - 07:00 - 23:00 holidays & 19:00 - 23:00 on all other days)



Title Contract No. DC/2007/10 Design and Construction of Hong Kong West Drainage Tunnel Graphical Presentation of Construction Noise Monitoring Results	Scale N.T.S	Project No. MA8001	CINOTECH
	Date Jun 09	Appendix G	

Noise Levels (Restricted Hours - 23:00 to 07:00 on all days)



Title Contract No. DC/2007/10 Design and Construction of Hong Kong West Drainage Tunnel Graphical Presentation of Construction Noise Monitoring Results	Scale N.T.S	Project No. MA8001	CINOTECH
	Date Jun 09	Appendix G	