

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}
7-May-09	16:43	Sunny	70.3	72.7	60.4	70.2	53.9
15-May-09	14:00	Sunny	63.8	66.2	60.8		63.8 Measured ≤ Baseline
19-May-09	14:40	Sunny	66.7	68.5	64.0		66.7 Measured ≤ Baseline
29-May-09	15:05	Cloudy	68.7	70.0	64.5		68.7 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}
7-May-09	17:10	Sunny	68.4	71.1	58.8	64.8	65.9
15-May-09	14:45	Sunny	67.5	69.8	64.4		64.2
19-May-09	15:35	Sunny	65.3	66.5	63.0		55.7
29-May-09	15:45	Cloudy	66.5	68.0	62.0		61.6

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}
7-May-09	14:31	Sunny	55.3	56.1	53.4	57.7	55.3, Measured ≤ Baseline
15-May-09	16:15	Sunny	53.8	56.0	50.6		53.8, Measured ≤ Baseline
19-May-09	13:00	Sunny	53.4	55.0	50.5		53.4, Measured ≤ Baseline
29-May-09	11:00	Cloudy	54.3	55.5	50.0		54.3, 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}
7-May-09	15:47	Sunny	63.7	65.2	60.8	63.5	50.2
15-May-09	13:10	Sunny	65.8	67.7	62.2		61.9
19-May-09	11:20	Sunny	67.2	69.0	64.0		64.8
29-May-09	14:00	Cloudy	65.7	67.0	59.0		61.7

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-May-09	10:00	Sunny	65.4	68.0	56.1	65.4	65.8	65.4 Measured ≤ Baseline						
	10:05		65.6	68.2	56.4									
	10:10		65.3	67.9	56.2									
7-May-09	19:00	Cloudy	67.9	69.5	64.5	67.8			65.8	63.5				
	19:05		67.7	69.5	65.0									
	19:10		67.7	69.5	65.0									
10-May-09	10:05	Sunny	64.6	68.0	58.5	65.2					65.8	65.2 Measured ≤ Baseline		
	10:10		65.3	67.5	59.0									
	10:15		65.5	68.5	59.0									
15-May-09	19:00	Cloudy	67.2	69.0	63.4	67.2							65.8	61.6
	19:05		67.4	69.2	63.2									
	19:10		67.1	68.9	63.0									
17-May-09	13:00	Sunny	64.5	66.5	61.0	64.4	65.8	64.4 Measured ≤ Baseline						
	13:05		64.4	66.5	61.0									
	13:10		64.4	66.5	61.0									
19-May-09	19:00	Cloudy	67.2	68.5	64.0	67.3			65.8	62.0				
	19:05		67.4	68.5	64.0									
	19:10		67.2	68.5	63.5									
24-May-09	10:00	Cloudy	65.2	68.0	58.0	65.5					65.8	65.5 Measured ≤ Baseline		
	10:05		65.6	68.0	58.5									
	10:10		65.7	68.5	58.5									
29-May-09	19:25	Cloudy	67.7	69.0	63.5	67.4							65.8	62.3
	19:30		67.3	68.5	63.5									
	19:35		67.2	68.5	63.0									
31-May-09	13:00	Sunny	63.2	65.0	61.0	63.4	65.8	63.4 Measured ≤ Baseline						
	13:05		63.6	65.5	61.5									
	13:10		63.4	65.5	61.0									

(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-May-09	09:30	Sunny	58.7	62.0	54.8	58.5	59.1	58.5 Measured ≤ Baseline						
	09:35		58.4	61.8	54.6									
	09:40		58.4	61.9	54.5									
7-May-09	19:25	Cloudy	63.4	64.5	61.5	63.4			59.1	61.4				
	19:30		63.2	64.5	62.0									
	19:35		63.5	64.5	61.5									
10-May-09	09:30	Sunny	58.9	62.5	55.5	58.7					59.1	58.7 Measured ≤ Baseline		
	09:35		58.7	62.0	55.0									
	09:40		58.6	61.5	55.5									
15-May-09	19:30	Cloudy	63.8	66.2	60.7	63.6							59.1	61.7
	19:35		63.5	66.0	60.6									
	19:40		63.4	65.8	60.7									
17-May-09	13:45	Sunny	58.8	60.5	55.5	58.5	59.1	58.5 Measured ≤ Baseline						
	13:50		58.3	60.0	55.0									
	13:55		58.5	60.5	55.5									
19-May-09	19:30	Cloudy	63.1	64.0	61.5	63.1			59.1	60.9				
	19:35		63.0	64.0	61.5									
	19:40		63.3	64.0	61.5									
24-May-09	10:30	Cloudy	58.6	61.5	54.0	58.7					59.1	58.7 Measured ≤ Baseline		
	10:35		58.8	62.0	54.5									
	10:40		58.7	62.0	54.5									
29-May-09	19:05	Cloudy	63.9	65.0	59.5	63.8							59.1	62.0
	19:10		63.4	64.5	59.5									
	19:15		64.2	64.5	58.5									
31-May-09	13:45	Sunny	57.9	59.0	54.0	57.6	59.1	57.6 Measured ≤ Baseline						
	13:50		57.4	59.0	54.0									
	13:55		57.5	59.0	54.0									

(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-May-09	11:35	Sunny	49.3	54.2	46.0	51.0	53.8	51.0 Measured ≤ Baseline								
	11:40		51.4	54.5	46.9											
	11:45		51.8	55.0	46.9											
7-May-09	20:10	Cloudy	51.1	52.0	50.0	50.9			53.8	50.9 Measured ≤ Baseline						
	20:15		50.8	51.5	50.0											
	20:20		50.7	51.5	49.5											
10-May-09	11:00	Sunny	52.9	55.5	48.0	53.4					53.8	53.4 Measured ≤ Baseline				
	11:05		53.7	56.0	48.0											
	11:10		53.5	55.5	48.0											
15-May-09	20:50	Cloudy	47.1	51.0	40.9	47.3							53.8	47.3 Measured ≤ Baseline		
	20:55		47.9	50.4	43.9											
	21:00		46.7	49.0	43.0											
17-May-09	15:00	Sunny	52.7	55.5	50.5	52.4									53.8	52.4 Measured ≤ Baseline
	15:05		52.4	55.0	50.5											
	15:10		52.0	54.0	50.0											
19-May-09	20:10	Cloudy	50.2	51.0	49.5	50.3	53.8	50.3 Measured ≤ Baseline								
	20:15		50.5	51.0	49.0											
	20:20		50.2	51.0	49.5											
24-May-09	13:00	Cloudy	51.9	54.5	48.0	52.1			53.8	52.1 Measured ≤ Baseline						
	13:05		52.4	55.0	48.5											
	13:10		52.0	55.0	48.0											
29-May-09	21:15	Cloudy	50.2	51.5	47.0	50.4					53.8	50.4 Measured ≤ Baseline				
	21:20		50.8	52.0	47.0											
	21:25		50.3	51.5	46.5											
31-May-09	15:00	Sunny	52.1	55.0	50.0	52.4							53.8	52.4 Measured ≤ Baseline		
	15:05		52.9	56.0	50.5											
	15:10		52.3	55.0	50.0											

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

Location GNC3 - 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}			
3-May-09	11:00	Sunny	47.2	53.8	44.9	47.7	53.8	47.7 Measured ≤ Baseline	
	11:05		47.7	54.0	45.2				
	11:10		48.2	54.3	45.3				

(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}				
7-May-09	23:40	Cloudy	59.3	61.0	57.0	59.5	60.7	59.5 Measured \leq Baseline			
	23:45		59.3	61.0	57.0						
	23:50		59.8	61.0	57.0						
15-May-09	23:35	Cloudy	56.6	59.6	50.7	56.5		60.7	56.5 Measured \leq Baseline		
	23:40		56.1	59.2	50.3						
	23:45		56.8	60.3	52.4						
19-May-09	23:40	Cloudy	57.6	59.5	55.5	57.9			60.7	57.9 Measured \leq Baseline	
	23:45		57.8	59.5	55.5						
	23:50		58.4	62.0	56.5						
29-May-09	23:35	Fine	60.3	63.5	54.5	60.4				60.7	60.4 Measured \leq Baseline
	23:40		60.2	63.5	54.5						
	23:45		60.7	64.5	55.5						

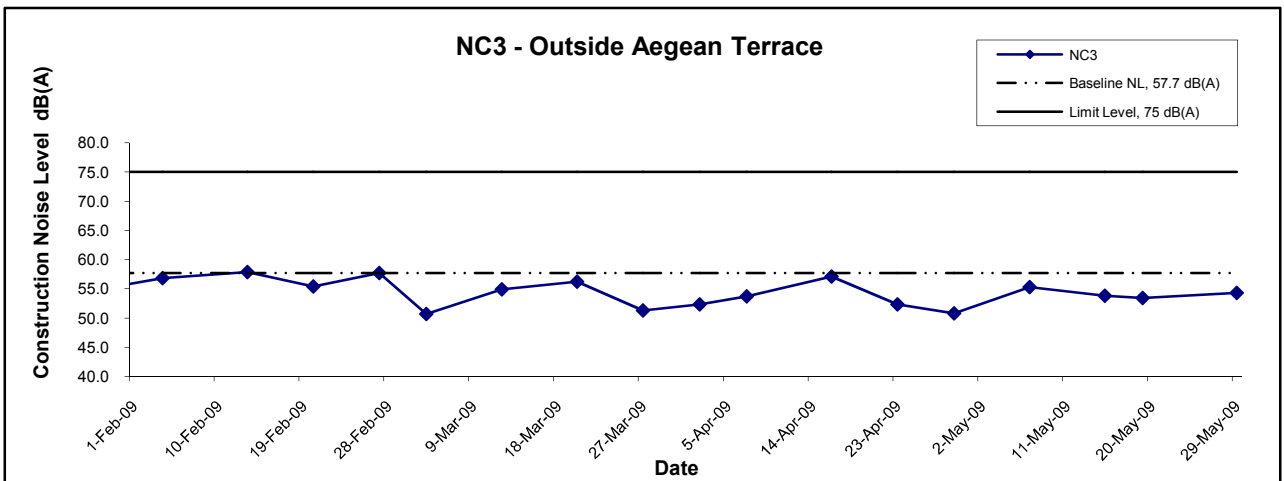
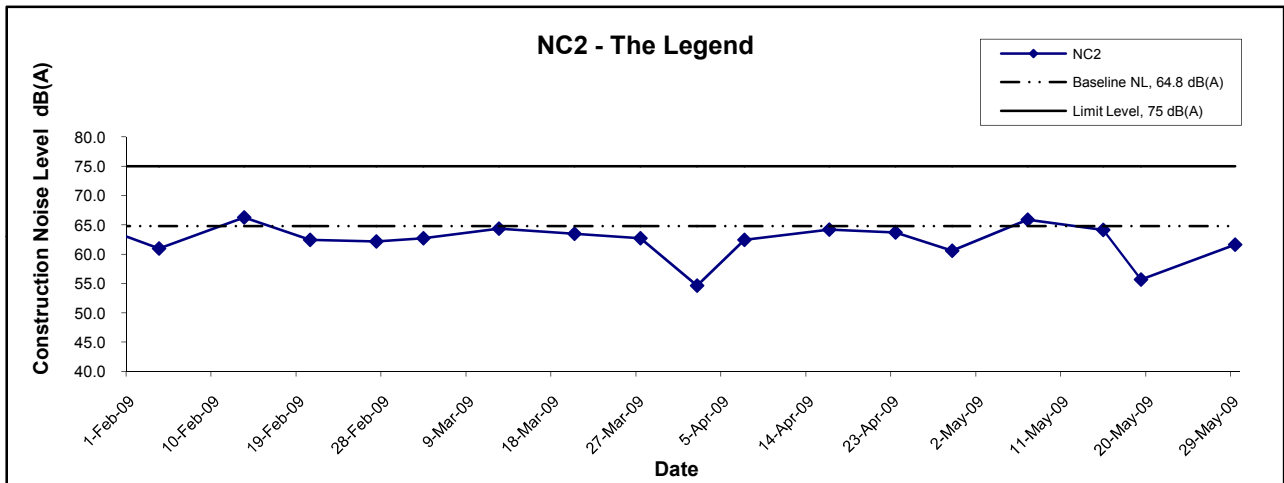
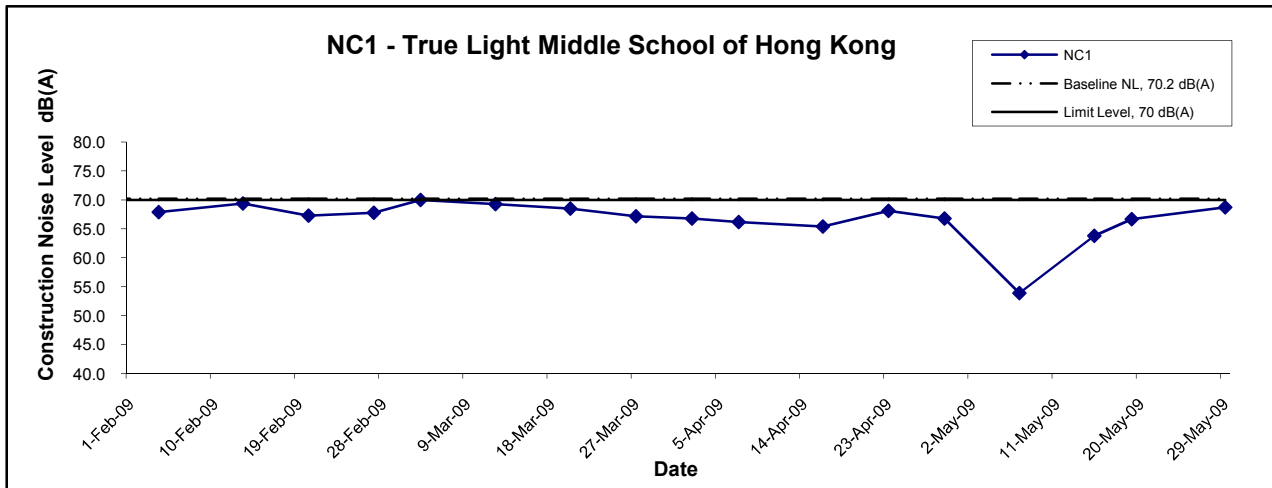
(Restricted Hours - 23:00 to 07:00 on all days)

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}			
7-May-09	23:00	Cloudy	52.6	54.0	50.5	52.5	53.9	52.5 Measured \leq Baseline			
	23:05		52.8	54.0	50.5						
	23:10		52.0	54.0	50.0						
15-May-09	23:00	Cloudy	51.4	55.6	45.7	51.7		53.9	51.7 Measured \leq Baseline		
	23:05		51.9	55.9	45.3						
	23:10		51.8	55.7	45.0						
19-May-09	23:00	Cloudy	51.4	54.5	48.5	51.3			53.9	51.3 Measured \leq Baseline	
	23:05		51.6	54.5	48.5						
	23:10		51.0	54.0	48.5						
29-May-09	23:00	Fine	53.6	55.5	49.5	53.6				53.9	53.6 Measured \leq Baseline
	23:05		53.5	55.5	50.0						
	23:10		53.8	56.0	50.5						

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

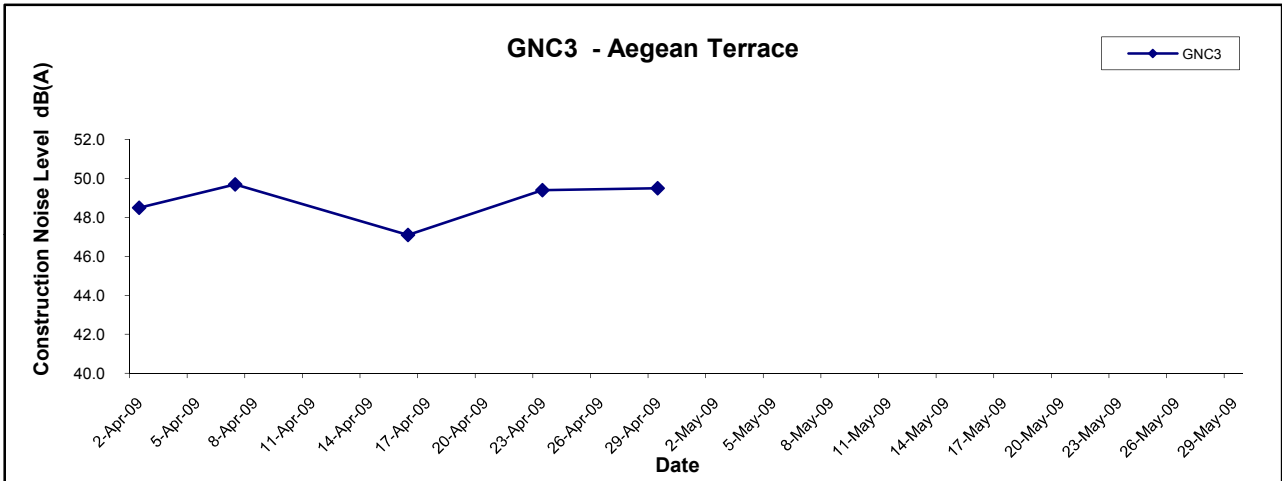
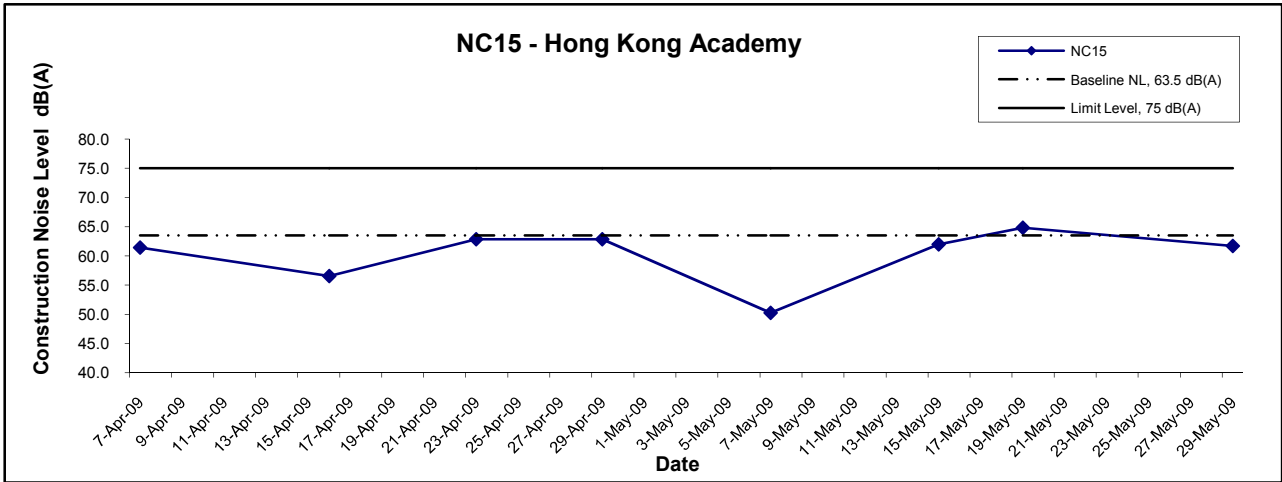
Location NC3 - Outside Aegean Terrace											
Date	Time	Weather	dB (A) (5-min)				Baseline Level	Construction Noise Level			
			L_{eq}	L_{10}	L_{90}	Average L_{eq}	L_{eq}	L_{eq}			
8-May-09	00:30	Cloudy	51.1	53.0	49.0	51.2	52.0	51.2 Measured \leq Baseline			
	00:35		51.4	53.0	49.0						
	00:40		51.0	53.0	49.0						
16-May-09	00:35	Cloudy	51.6	58.3	48.6	51.5		52.0	51.5 Measured \leq Baseline		
	00:40		51.2	58.4	48.1						
	00:45		51.7	58.7	48.9						
20-May-09	00:30	Cloudy	51.3	54.5	48.5	51.2			52.0	51.2 Measured \leq Baseline	
	00:35		51.0	54.0	48.0						
	00:40		51.2	54.5	48.5						
30-May-09	00:30	Fine	49.8	52.5	45.0	50.2				52.0	50.2 Measured \leq Baseline
	00:35		50.5	53.0	45.5						
	00:40		50.3	53.0	45.0						

Noise Levels



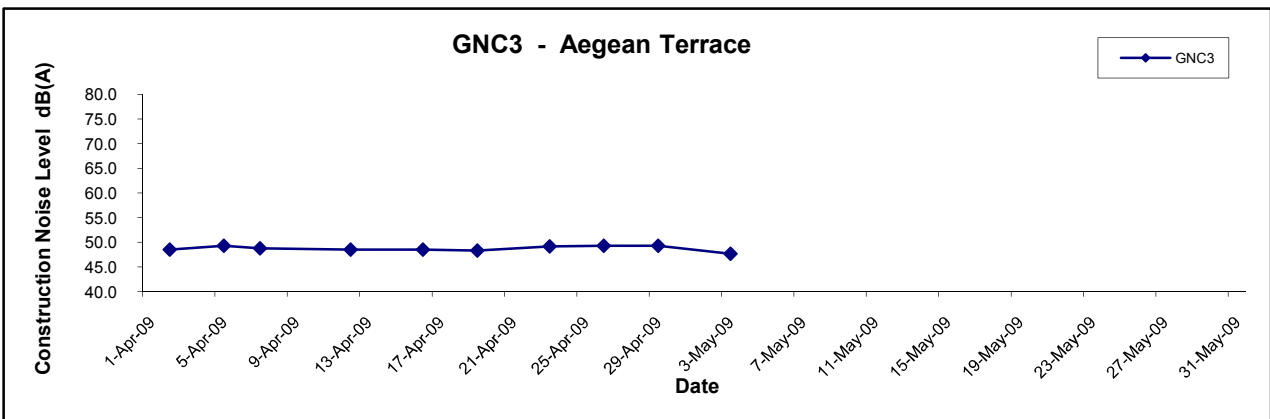
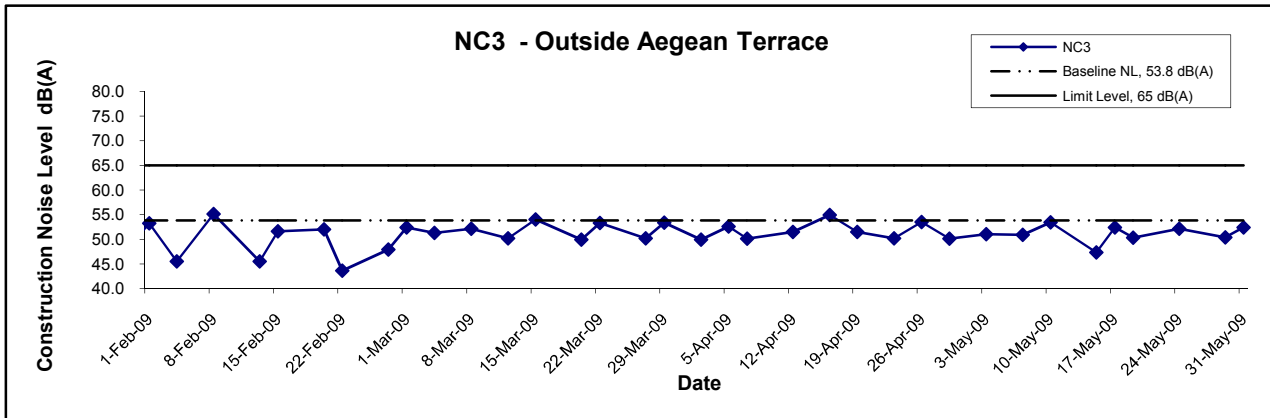
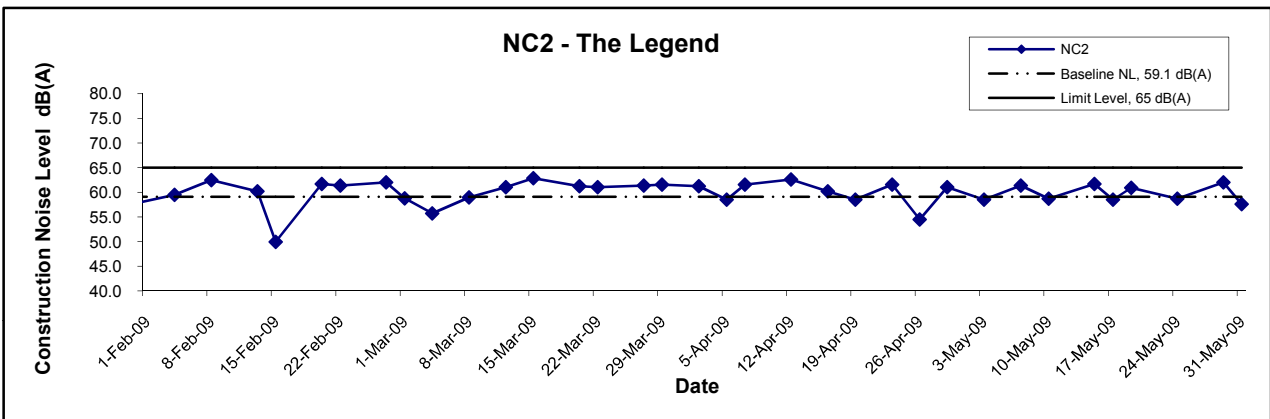
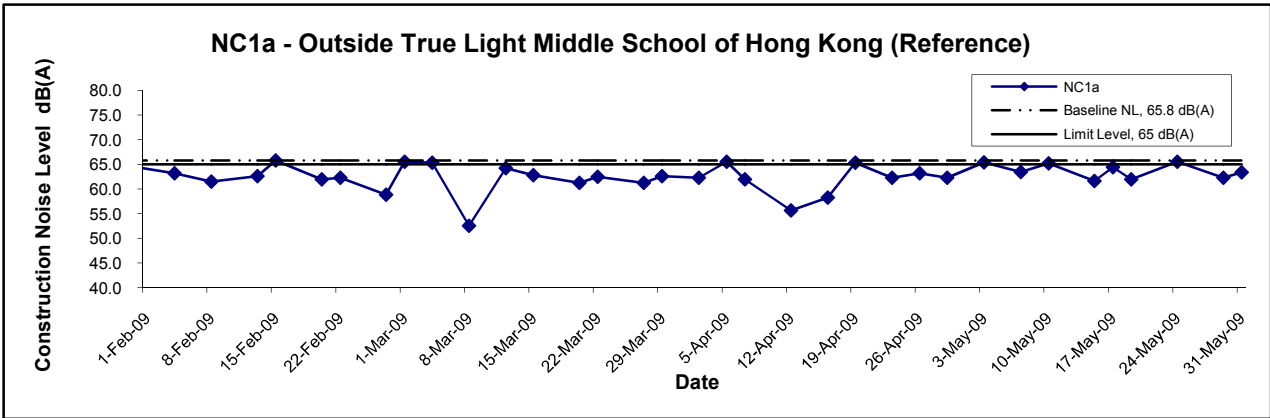
Title Contract No. DC/2007/10 Design and Construction of Hong Kong West Drainage Tunnel Graphical Presentation of Construction Noise Monitoring Results	Scale	N.T.S	Project No.	MA8001	CINOTECH
	Date	May 09	Appendix	G	

Noise Levels



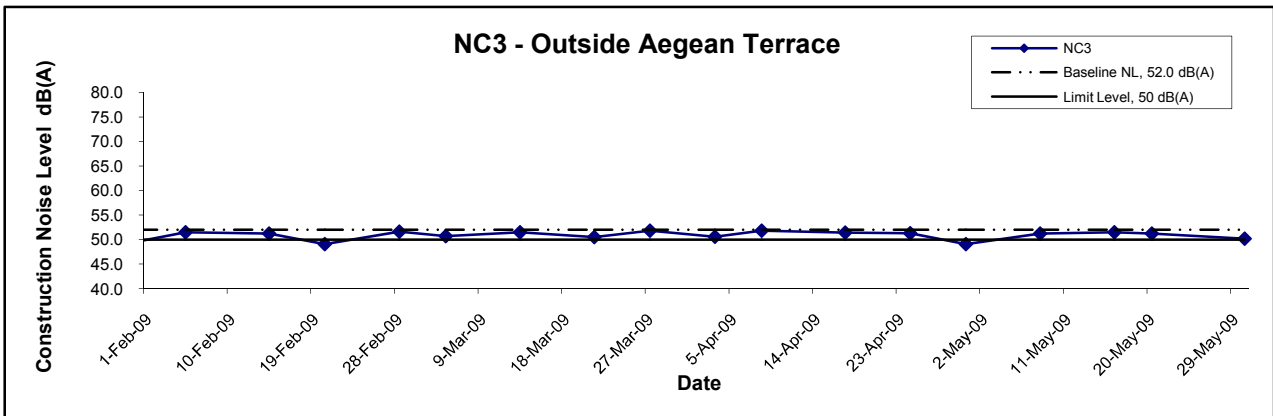
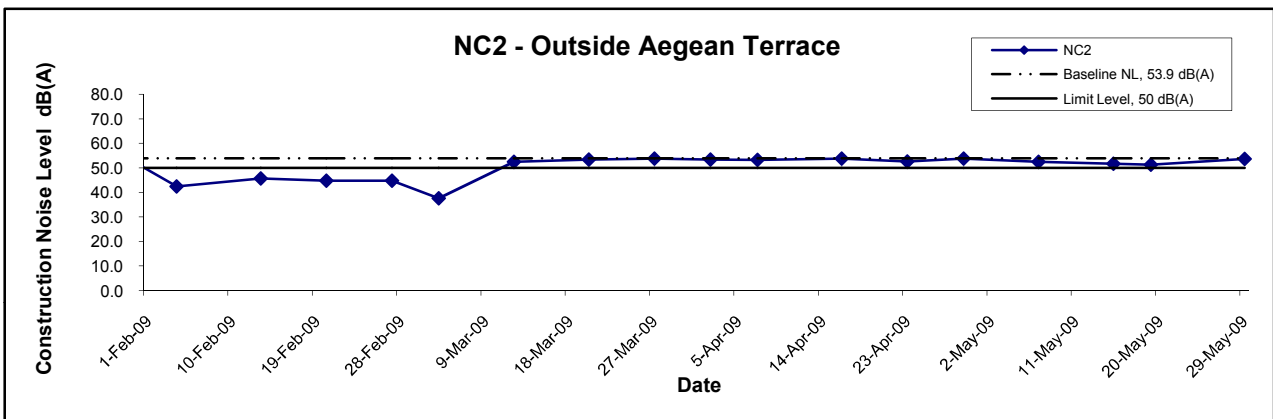
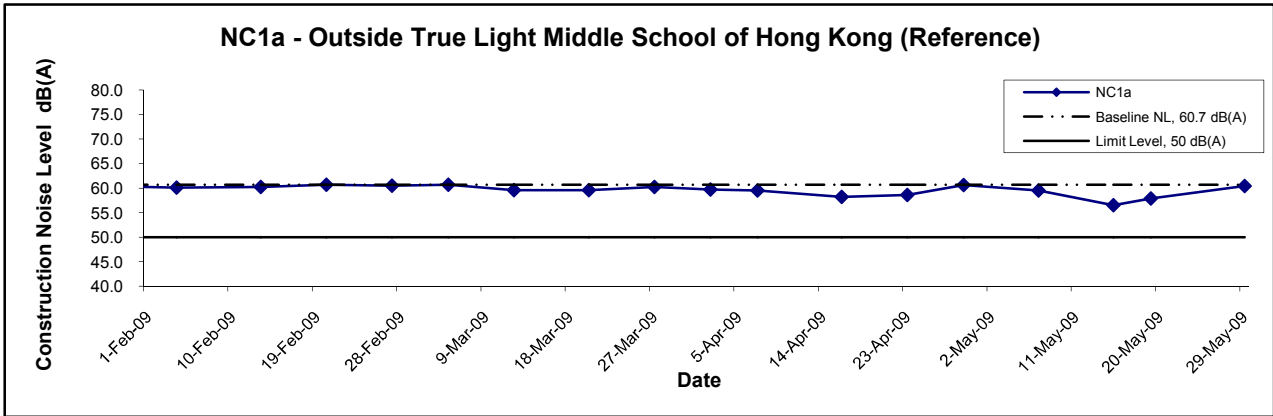
Title Contract No. DC/2007/10 Design and Construction of Hong Kong West Drainage Tunnel Graphical Presentation of Construction Noise Monitoring Results	Scale N.T.S	Project No. MA8001	
	Date May 09	Appendix G	

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
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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	
	Date May 09	Appendix G	