

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}
4-Mar-09	14:15	Cloudy	70.0	72.0	65.0	70.2	70.0, Measured ≤ Baseline
12-Mar-09	16:00	Cloudy	69.3	71.5	65.0		69.3, Measured ≤ Baseline
20-Mar-09	13:00	Sunny	68.5	70.0	66.0		68.5, Measured ≤ Baseline
27-Mar-09	13:00	Cloudy	67.2	68.5	65.5		67.2, 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}
4-Mar-09	14:55	Cloudy	66.9	69.0	64.0	64.8	62.7
12-Mar-09	16:45	Cloudy	67.6	69.5	64.0		64.4
20-Mar-09	13:45	Sunny	67.2	69.0	63.5		63.5
27-Mar-09	13:45	Cloudy	66.9	68.0	64.0		62.7

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}
4-Mar-09	13:00	Cloudy	50.7	52.5	43.5	57.7	50.7, Measured ≤ Baseline
12-Mar-09	13:00	Cloudy	54.9	56.0	51.5		54.9, Measured ≤ Baseline
20-Mar-09	16:00	Sunny	56.2	57.5	53.5		56.2, Measured ≤ Baseline
27-Mar-09	16:00	Cloudy	51.3	53.0	50.0		51.3, Measured ≤ Baseline

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)				(Reference) Baseline Level	(Reference) Construction Noise Level, L _{eq}								
			L _{eq}	L ₁₀	L ₉₀	Average L _{eq}	L _{eq}									
1-Mar-09	09:40	Cloudy	65.4	69.0	58.5	65.5	65.8	65.5 Measured ≤ Baseline								
	09:45		64.9	68.0	58.0											
	09:50		66.0	69.0	59.0											
4-Mar-09	22:00	Fine	64.9	68.5	56.0	65.3		65.8	65.3 Measured ≤ Baseline							
	22:05		65.5	69.0	56.5											
	22:10		65.6	69.0	56.5											
8-Mar-09	13:20	Cloudy	65.6	69.5	58.5	66.0			65.8	52.5						
	13:25		66.2	70.0	58.5											
	13:30		66.3	70.0	58.5											
12-Mar-09	19:00	Cloudy	68.2	69.5	65.5	68.1				65.8	64.2					
	19:05		68.1	69.5	65.0											
	19:10		68.1	69.5	65.0											
15-Mar-09	13:00	Sunny	62.6	65.0	61.0	62.8					65.8	62.8 Measured ≤ Baseline				
	13:05		62.8	65.0	61.0											
	13:10		62.9	65.0	61.0											
20-Mar-09	19:00	Cloudy	67.1	69.3	64.2	67.1						65.8	61.2			
	19:05		67.3	69.6	63.9											
	19:10		66.9	68.8	63.8											
22-Mar-09	13:00	Cloudy	62.5	66.0	61.0	62.5							65.8	62.5 Measured ≤ Baseline		
	13:05		62.8	66.0	61.5											
	13:10		62.3	65.5	61.0											
27-Mar-09	19:00	Cloudy	67.3	69.0	63.8	67.1								65.8	61.2	
	19:05		66.8	68.8	63.4											
	19:10		67.2	69.0	63.6											
29-Mar-09	13:00	Cloudy	62.9	65.0	60.0	62.6									65.8	62.6 Measured ≤ Baseline
	13:05		62.4	65.0	60.0											
	13:10		62.5	65.0	60.0											

(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)				Baseline Level	Construction Noise Level								
			L _{eq}	L ₁₀	L ₉₀	Average L _{eq}	L _{eq}	L _{eq}								
1-Mar-09	10:15	Cloudy	58.8	61.5	54.5	58.8	59.1	58.8 Measured ≤ Baseline								
	10:20		59.2	62.0	55.0											
	10:25		58.5	61.5	55.0											
4-Mar-09	22:40	Fine	55.7	61.5	52.0	55.7		59.1	55.7 Measured ≤ Baseline							
	22:45		56.1	61.5	52.9											
	22:50		55.4	61.0	52.0											
8-Mar-09	13:50	Cloudy	59.0	62.0	55.5	59.0			59.1	59.0 Measured ≤ Baseline						
	13:55		58.9	62.0	55.0											
	14:00		59.2	62.0	55.5											
12-Mar-09	19:30	Cloudy	63.3	64.5	61.0	63.2				59.1	61.1					
	19:35		63.1	64.5	61.0											
	19:40		63.3	64.5	61.0											
15-Mar-09	13:45	Sunny	64.2	66.0	62.0	64.4					59.1	62.9				
	13:50		64.5	66.5	62.5											
	13:55		64.6	66.5	62.5											
20-Mar-09	20:15	Cloudy	63.8	66.0	60.3	63.3						59.1	61.2			
	20:20		63.4	65.8	60.2											
	20:25		63.6	65.8	60.4											
22-Mar-09	13:40	Cloudy	63.0	65.0	61.0	63.2							59.1	61.1		
	13:45		63.3	65.5	61.5											
	13:50		63.4	65.5	61.5											
27-Mar-09	19:30	Cloudy	63.7	66.5	60.8	63.4								59.1	61.4	
	19:35		62.5	66.3	60.7											
	19:40		63.8	66.5	60.9											
29-Mar-09	13:40	Cloudy	63.6	66.0	60.0	63.5									59.1	61.5
	13:45		63.8	66.0	60.0											
	13:50		63.1	65.5	60.0											

(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)				Baseline Level	Construction Noise Level								
			L _{eq}	L ₁₀	L ₉₀	Average L _{eq}	L _{eq}	L _{eq}								
1-Mar-09	11:10	Cloudy	52.8	56.0	47.5	52.4	53.8	52.4 Measured ≤ Baseline								
	11:15		51.7	55.0	47.5											
	11:20		52.6	55.5	47.5											
4-Mar-09	19:00	Fine	50.9	54.5	47.0	51.3		53.8	51.3 Measured ≤ Baseline							
	19:05		51.4	55.0	47.5											
	19:10		51.6	55.0	48.0											
8-Mar-09	14:40	Cloudy	52.1	56.0	47.5	52.1			53.8	52.1 Measured ≤ Baseline						
	14:45		52.4	56.0	47.5											
	14:50		51.9	55.5	47.5											
12-Mar-09	20:15	Cloudy	50.1	51.0	49.0	50.2				53.8	50.2 Measured ≤ Baseline					
	20:20		50.3	51.5	48.5											
	20:25		50.3	51.0	48.5											
15-Mar-09	11:20	Sunny	56.9	58.5	54.5	56.9					53.8	54.0				
	11:25		57.2	59.0	55.0											
	11:30		56.6	58.0	54.5											
20-Mar-09	19:25	Cloudy	50.3	52.6	47.8	49.9						53.8	49.9 Measured ≤ Baseline			
	19:30		49.8	52.0	47.2											
	19:35		49.7	52.1	47.0											
22-Mar-09	14:40	Cloudy	52.9	55.0	50.0	53.3							53.8	53.3 Measured ≤ Baseline		
	14:45		53.3	55.5	50.5											
	14:50		53.8	56.0	51.0											
27-Mar-09	20:30	Cloudy	50.3	52.5	47.6	50.2								53.8	50.2 Measured ≤ Baseline	
	20:35		50.5	52.8	47.8											
	20:40		49.8	51.9	47.2											
29-Mar-09	11:00	Cloudy	56.7	59.0	52.5	56.6									53.8	53.4
	11:05		56.2	58.5	52.0											
	11:10		56.8	59.0	52.5											

(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)			Average L _{eq}	(Reference) Baseline Level	(Reference) Construction Noise Level, L _{eq}		
			L _{eq}	L ₁₀	L ₉₀		L _{eq}			
5-Mar-09	00:10	Fine	60.5	64.5	52.5	60.7	60.7	60.7 Measured ≤ Baseline		
	00:15		60.8	64.5	53.0					
	00:20		60.7	64.5	52.5					
12-Mar-09	23:35	Cloudy	59.7	61.0	57.5	59.6		60.7	59.6 Measured ≤ Baseline	
	23:40		59.6	61.0	57.5					
	23:45		59.6	61.0	57.5					
20-Mar-09	23:40	Cloudy	59.7	62.0	57.0	59.6			60.7	59.6 Measured ≤ Baseline
	23:45		59.8	62.0	57.0					
	23:50		59.3	61.5	56.5					
27-Mar-09	23:40	Cloudy	60.3	63.5	58.5	60.2				60.7
	23:45		60.0	63.0	58.5					
	23:50		60.2	63.5	58.5					

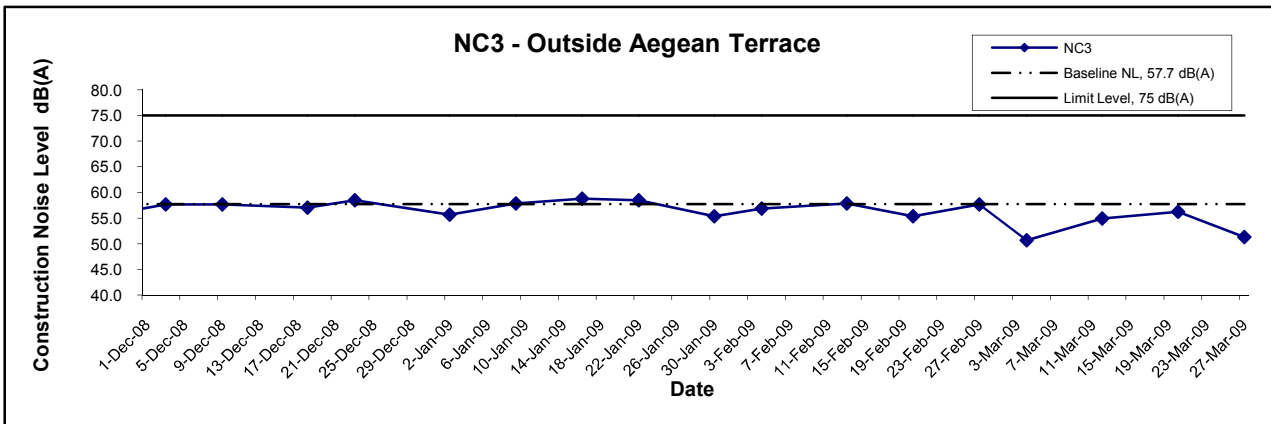
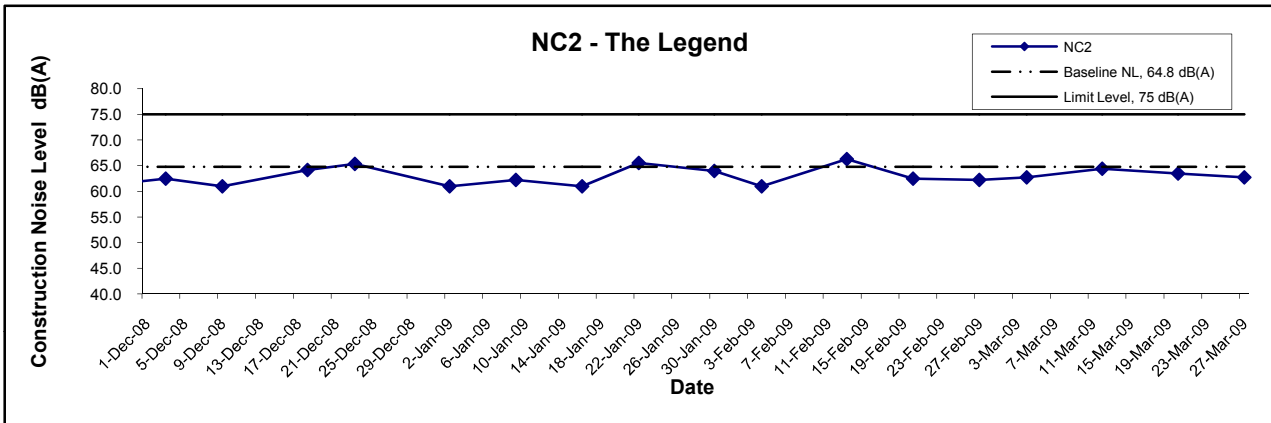
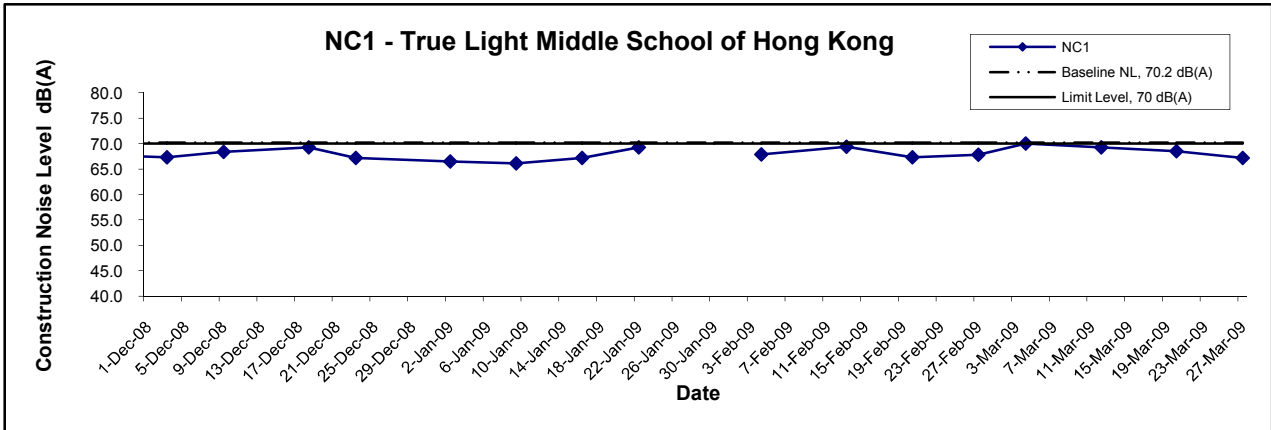
(Restricted Hours - 23:00 to 07:00 on all days)

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}		
4-Mar-09	23:20	Fine	54.1	57.0	49.5	54.0	53.9	37.6		
	23:25		53.9	57.0	49.5					
	23:30		53.7	57.0	49.5					
12-Mar-09	23:00	Cloudy	52.3	55.0	50.0	52.4		53.9	52.4 Measured ≤ Baseline	
	23:05		52.8	55.5	50.5					
	23:10		52.2	55.0	50.0					
20-Mar-09	23:00	Cloudy	53.7	56.5	51.0	53.3			53.9	53.3 Measured ≤ Baseline
	23:05		53.0	56.0	50.5					
	23:10		53.1	56.0	50.5					
27-Mar-09	23:00	Cloudy	53.4	55.5	51.0	53.7				53.9
	23:05		53.9	56.0	51.5					
	23:10		53.8	56.0	51.5					

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

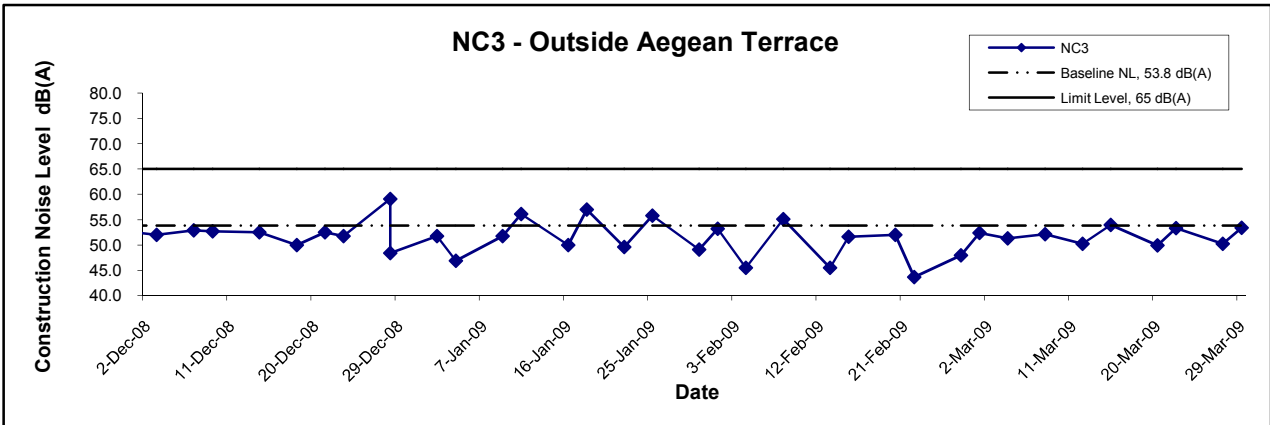
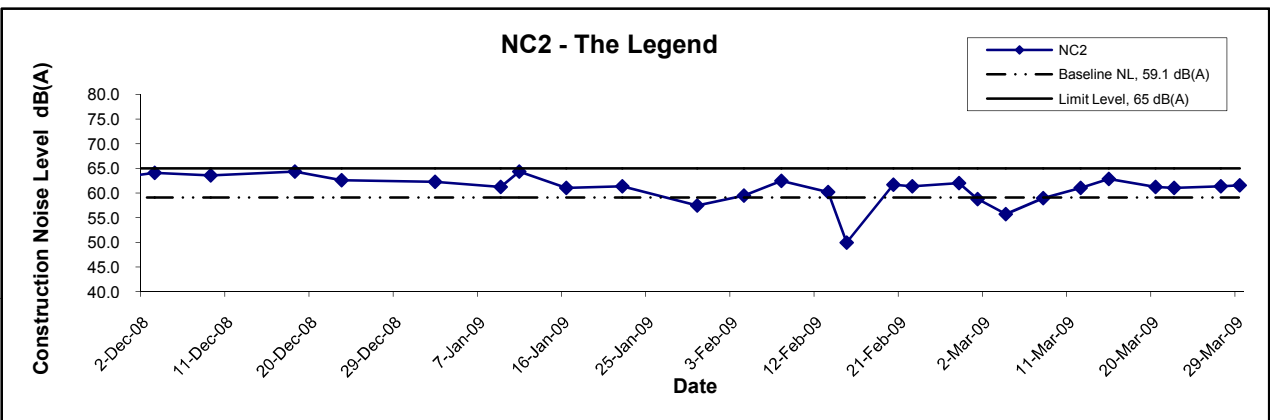
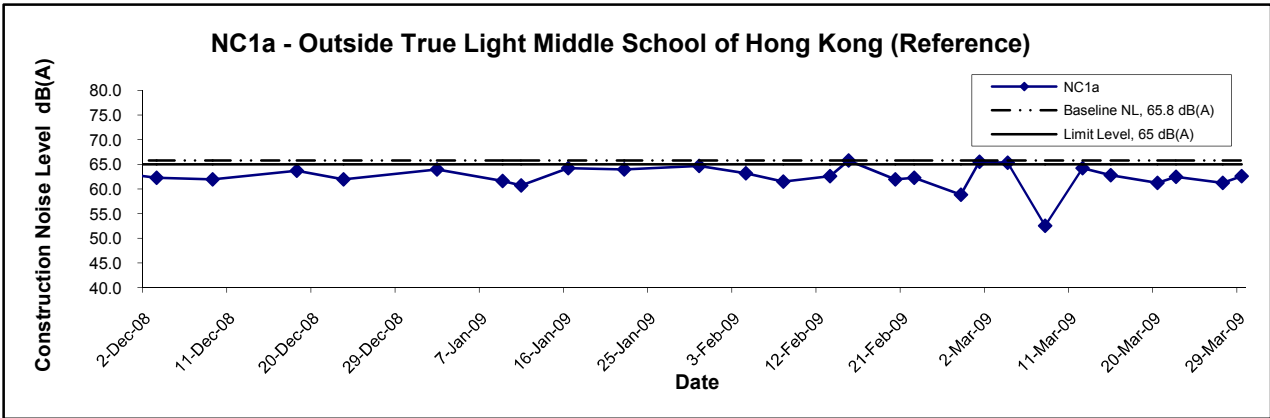
Location NC3 - Outside Aegean Terrace										
Date	Time	Weather	dB (A) (5-min)			Average L _{eq}	Baseline Level	Construction Noise Level		
			L _{eq}	L ₁₀	L ₉₀		L _{eq}	L _{eq}		
5-Mar-09	01:00	Fine	50.6	55.0	47.5	50.7	52.0	50.7 Measured ≤ Baseline		
	01:05		51.1	55.0	48.0					
	01:10		50.5	54.0	47.5					
13-Mar-09	00:25	Cloudy	51.6	53.5	48.5	51.5		52.0	51.5 Measured ≤ Baseline	
	00:30		51.8	54.0	48.5					
	00:35		51.0	53.0	48.0					
21-Mar-09	00:20	Cloudy	50.3	52.5	48.0	50.5			52.0	50.5 Measured ≤ Baseline
	00:25		50.3	52.5	48.0					
	00:30		50.9	53.0	48.5					
27-Mar-09	00:25	Cloudy	51.9	53.5	48.5	51.8				52.0
	00:30		51.6	53.0	48.5					
	00:35		51.9	53.5	48.5					

Noise Levels



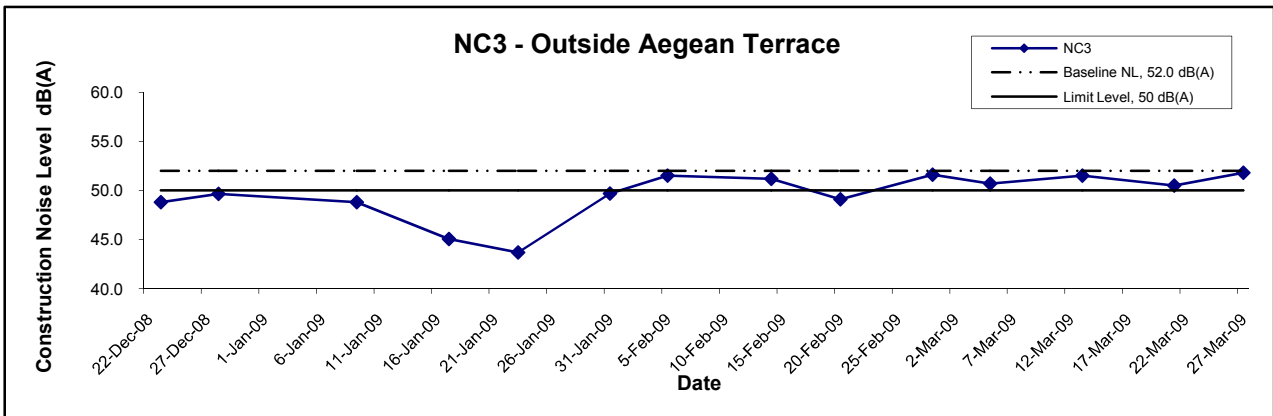
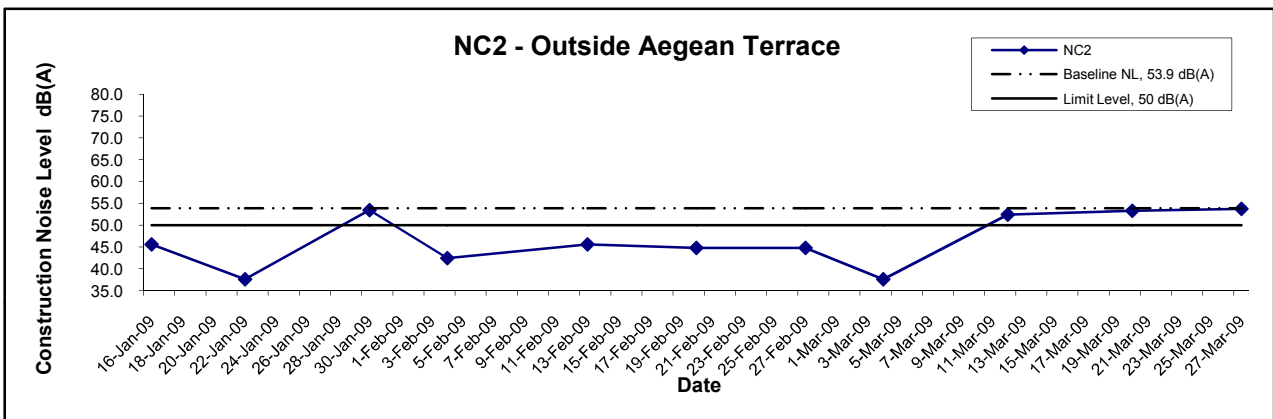
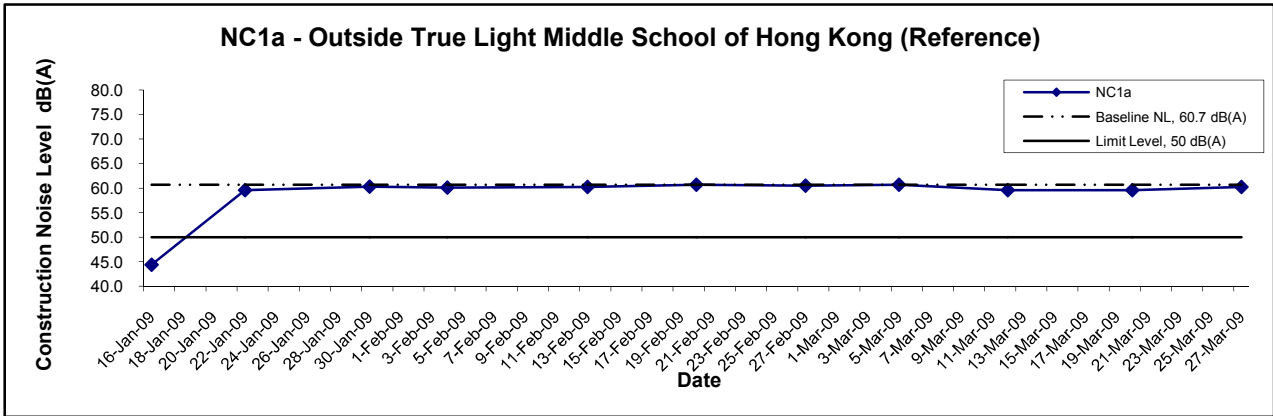
Title Contract No. DC/2007/10 Design and Construction of Hong Kong West Drainage Tunnel Graphical Presentation of Construction Noise Monitoring Results	Scale	N.T.S	Project No.	MA8001	CINOTECH
	Date	Mar 09	Appendix	G	

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 Mar 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	Mar 09	Appendix	G	