

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-Feb-09	13:00	Sunny	67.9	69.5	65.5	70.2	67.9, Measured ≤ Baseline
13-Feb-09	13:05	Cloudy	69.4	71.0	68.0		69.4, Measured ≤ Baseline
20-Feb-09	15:05	Cloudy	67.3	69.0	64.5		67.3, Measured ≤ Baseline
27-Feb-09	15:30	Sunny	67.8	69.5	64.5		67.8, 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-Feb-09	13:45	Sunny	66.3	67.5	64.5	64.8	61.0
13-Feb-09	13:45	Cloudy	68.6	70.0	66.5		66.3
20-Feb-09	15:55	Cloudy	66.8	68.0	64.5		62.5
27-Feb-09	16:15	Sunny	66.7	68.0	63.5		62.2

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-Feb-09	16:00	Sunny	60.3	62.0	57.0	57.7	56.8
13-Feb-09	15:45	Cloudy	60.8	61.5	56.0		57.9
20-Feb-09	13:00	Cloudy	59.7	61.0	57.0		55.4
27-Feb-09	13:00	Sunny	60.7	61.5	58.5		57.7

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}				
4-Feb-09	19:00	Fine	67.9	69.5	65.5	67.7	65.8	63.2			
	19:05		67.5	69.0	65.0						
	19:10		67.8	69.5	65.0						
8-Feb-09	13:00	Sunny	61.6	64.5	59.0	61.5		65.8	61.5 Measured ≤ Baseline		
	13:05		61.4	64.5	59.0						
	13:10		61.5	64.5	59.0						
13-Feb-09	19:00	Fine	67.3	69.5	63.5	67.5			65.8	62.6	
	19:05		67.4	69.5	63.5						
	19:10		67.7	69.5	63.5						
15-Feb-09	10:00	Cloudy	66.2	69.0	57.0	65.8				65.8	65.8 Measured ≤ Baseline
	10:05		65.7	69.0	57.5						
	10:10		65.4	69.0	57.0						
20-Feb-09	19:30	Cloudy	67.2	68.5	64.0	67.3	65.8				62.0
	19:35		67.4	69.0	64.0						
	19:40		67.2	68.5	64.0						
22-Feb-09	13:00	Sunny	62.6	64.5	59.5	62.3		65.8			62.3 Measured ≤ Baseline
	13:05		62.2	64.0	59.0						
	13:10		62.0	64.0	59.0						
27-Feb-09	19:00	Fine	66.9	68.5	63.5	66.6			65.8		58.9
	19:05		66.5	68.5	63.5						
	19:10		66.5	68.5	63.5						

(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}			
4-Feb-09	19:30	Fine	62.4	65.0	60.0	62.3	59.1	59.5			
	19:35		62.4	65.0	60.0						
	19:40		62.1	64.5	59.5						
8-Feb-09	13:40	Sunny	64.6	66.0	62.0	64.1		59.1	62.4		
	13:45		64.0	66.0	62.0						
	13:50		63.7	65.0	61.5						
13-Feb-09	19:30	Fine	62.5	65.0	61.0	62.7			59.1	60.2	
	19:35		62.8	65.0	61.0						
	19:40		62.7	65.0	61.0						
15-Feb-09	10:35	Cloudy	60.0	62.5	56.0	59.6				59.1	50.0
	10:40		59.4	62.0	55.5						
	10:45		59.5	62.0	55.5						
20-Feb-09	19:00	Cloudy	63.7	64.5	61.5	63.6	59.1				61.7
	19:05		63.8	64.5	61.0						
	19:10		63.2	64.5	61.0						
22-Feb-09	13:40	Sunny	63.0	66.0	61.0	63.4		59.1			61.4
	13:45		63.7	66.5	61.5						
	13:50		63.6	66.5	61.5						
27-Feb-09	19:30	Fine	63.6	66.6	61.0	63.8			59.1		62.0
	19:35		63.7	66.5	61.0						
	19:40		64.2	66.5	61.0						

(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}			
1-Feb-09	17:00	Sunny	52.8	55.0	48.0	53.2	53.8	53.2 Measured ≤ Baseline			
	17:05		53.5	55.5	49.0						
	17:10		53.3	55.5	49.0						
4-Feb-09	20:15	Fine	54.8	59.0	51.0	54.4		53.8	45.5		
	20:20		54.1	58.0	51.0						
	20:25		54.3	58.0	51.0						
8-Feb-09	11:00	Sunny	56.9	59.0	53.0	57.5			53.8	55.1	
	11:05		57.6	59.5	54.0						
	11:10		57.8	59.5	54.0						
13-Feb-09	20:15	Fine	54.6	58.5	51.0	54.4				53.8	45.5
	20:20		54.0	58.0	50.5						
	20:25		54.5	58.5	51.0						
15-Feb-09	13:00	Cloudy	50.7	55.5	48.5	51.6	53.8				51.6 Measured ≤ Baseline
	13:05		51.4	55.5	49.0						
	13:10		52.5	56.0	49.5						
20-Feb-09	20:10	Cloudy	56.2	57.5	54.0	56.0		53.8			52.0
	20:15		56.1	57.0	54.0						
	20:20		55.8	57.0	54.0						
22-Feb-09	11:00	Fine	54.6	57.0	51.5	54.2			53.8		43.6
	11:05		53.9	56.0	51.0						
	11:10		54.1	57.0	51.5						
27-Feb-09	20:15	Fine	55.0	58.0	52.5	54.8				53.8	47.9
	20:20		54.6	58.0	52.5						
	20:25		54.7	58.0	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)				(Reference) Baseline Level	(Reference) Construction Noise Level, L _{eq}	
			L _{eq}	L ₁₀	L ₉₀	Average L _{eq}	L _{eq}		
4-Feb-09	23:40	Fine	60.2	62.0	58.0	60.1	60.7	60.1 Measured ≤ Baseline	
	23:45		60.4	62.0	58.0				
	23:50		59.6	61.5	57.5				
13-Feb-09	23:35	Fine	59.8	63.0	54.0	60.2		60.7	60.2 Measured ≤ Baseline
	23:40		60.4	63.5	54.5				
	23:45		60.4	63.5	54.5				
20-Feb-09	23:40	Fine	60.9	63.5	58.5	60.7		60.7	60.7 Measured ≤ Baseline
	23:45		60.5	63.0	58.0				
	23:50		60.6	63.0	58.0				
27-Feb-09	23:40	Fine	60.5	63.0	57.5	60.5	60.5	60.5 Measured ≤ Baseline	
	23:45		60.1	62.5	57.0				
	23:50		60.8	63.0	57.5				

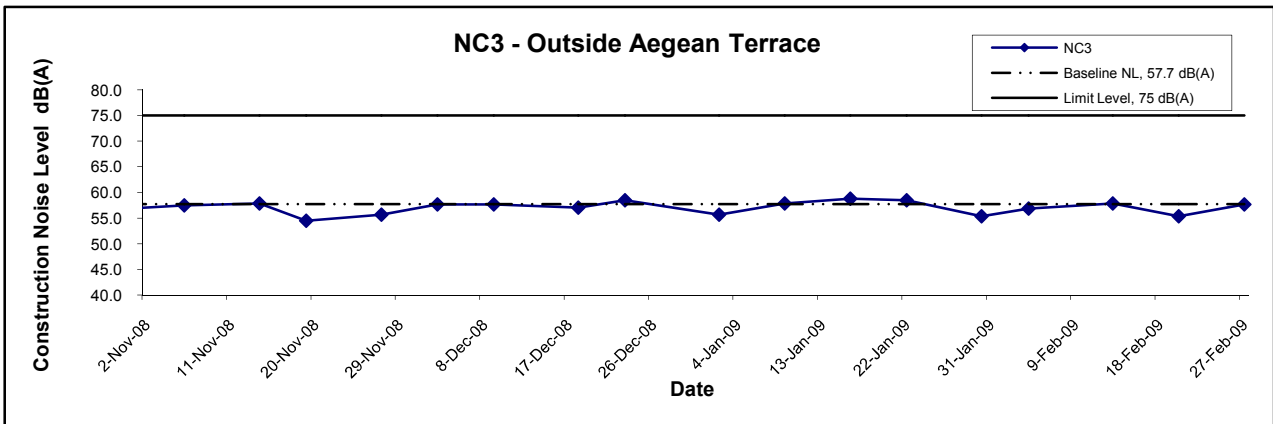
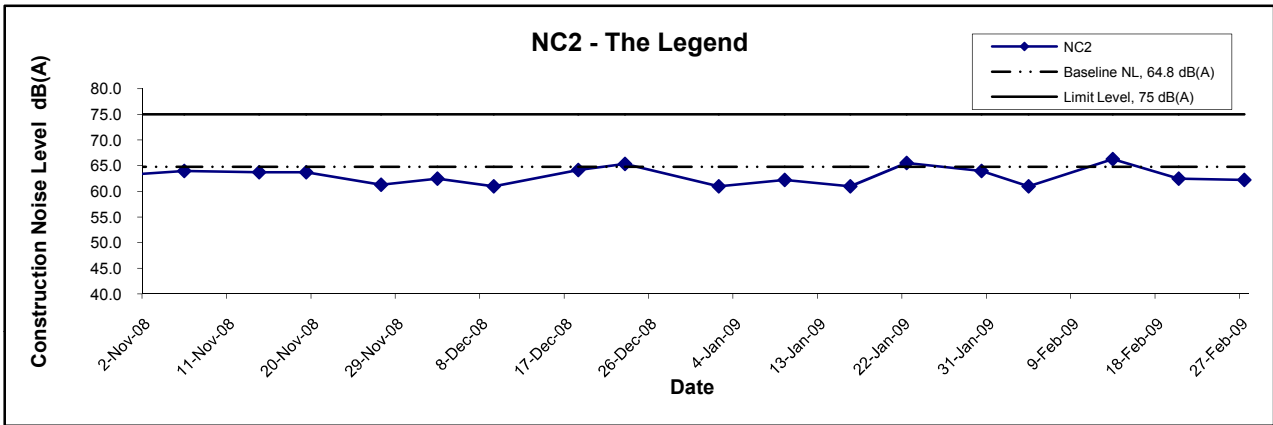
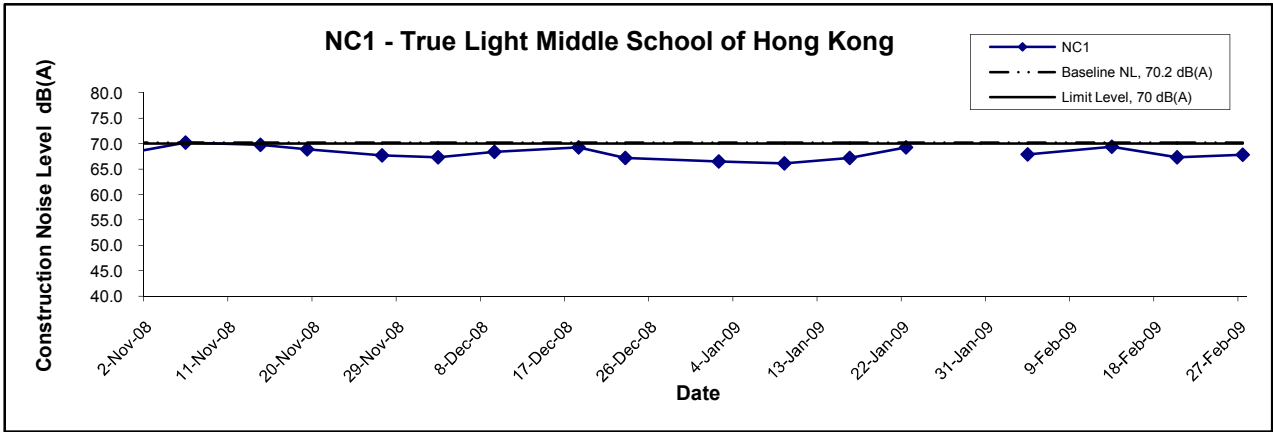
(Restricted Hours - 23:00 to 07:00 on all days)

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}	
4-Feb-09	23:00	Fine	54.6	56.5	51.0	54.2	53.9	42.4	
	23:05		54.0	56.0	50.5				
	23:10		53.9	55.5	50.5				
13-Feb-09	23:00	Fine	54.4	57.0	51.0	54.5		53.9	45.6
	23:05		54.3	57.0	51.0				
	23:10		54.7	57.5	52.0				
20-Feb-09	23:00	Fine	54.3	57.0	49.5	54.4		53.9	44.8
	23:05		54.5	57.5	50.0				
	23:10		54.5	57.5	50.5				
27-Feb-09	23:00	Fine	54.6	57.0	51.5	54.4	53.9	44.8	
	23:05		54.6	57.0	51.5				
	23:10		54.1	57.0	51.0				

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

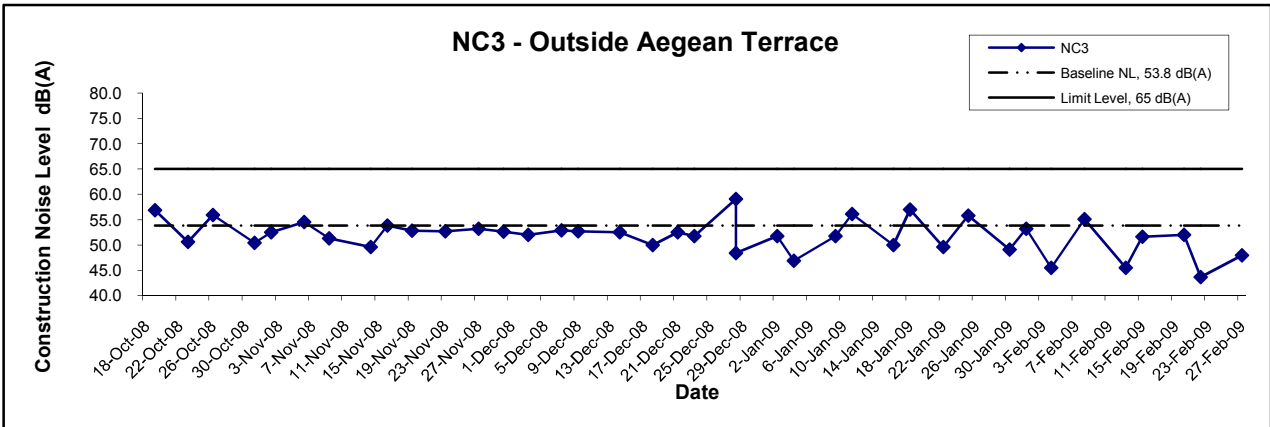
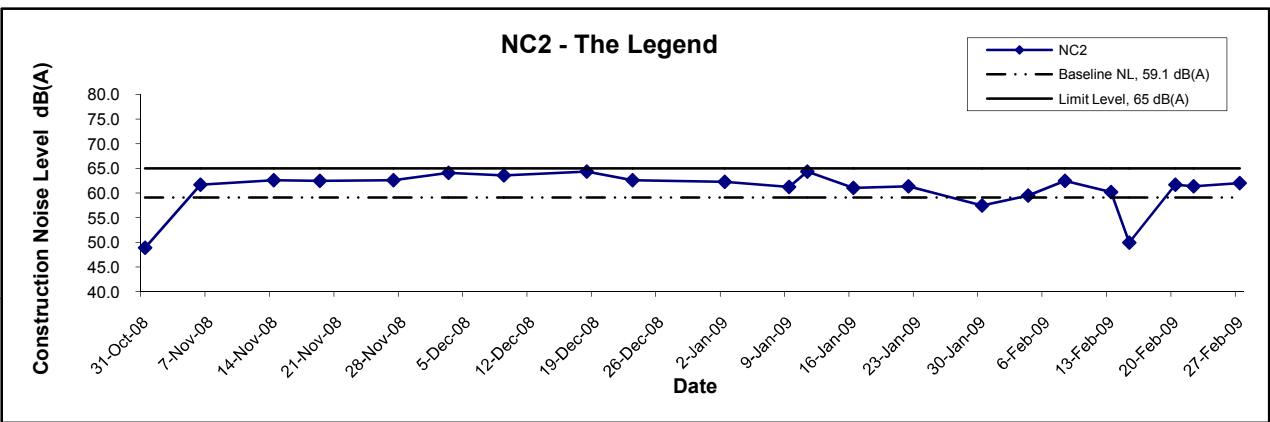
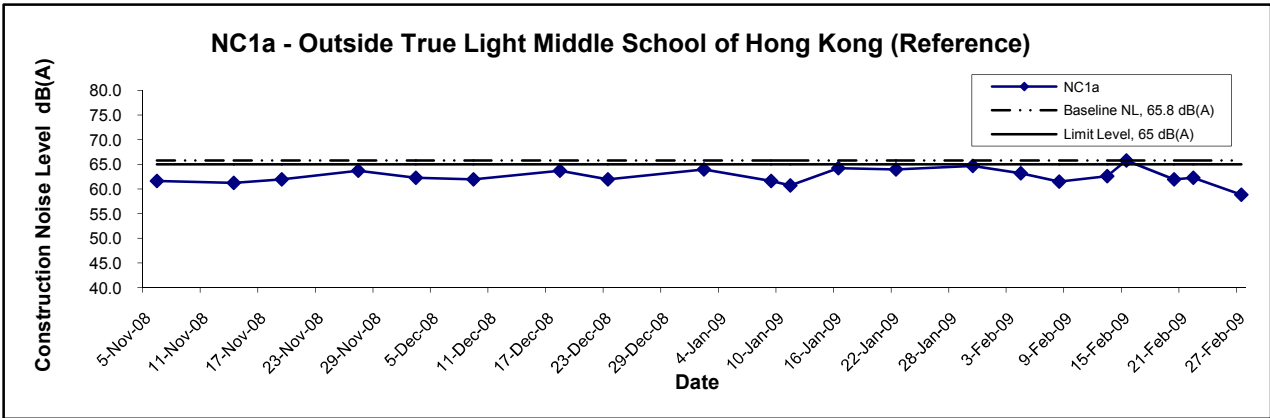
Location NC3 - Outside Aegean Terrace									
Date	Time	Weather	dB (A) (5-min)				Baseline Level	Construction Noise Level	
			L _{eq}	L ₁₀	L ₉₀	Average L _{eq}	L _{eq}	L _{eq}	
5-Feb-09	00:03	Fine	51.6	54.0	49.0	51.5	52.0	51.5 Measured ≤ Baseline	
	00:08		51.3	54.0	49.0				
	00:13		51.5	54.0	49.0				
14-Feb-09	00:25	Fine	51.3	54.5	47.0	51.2		52.0	51.2 Measured ≤ Baseline
	00:30		51.4	54.5	47.0				
	00:35		51.0	54.0	46.5				
20-Feb-09	00:20	Fine	49.3	53.5	44.5	49.1		52.0	49.1 Measured ≤ Baseline
	00:25		48.9	54.0	44.5				
	00:30		49.2	54.0	45.0				
28-Feb-09	00:25	Fine	51.6	55.0	48.5	51.6	52.0	51.6 Measured ≤ Baseline	
	00:30		51.9	55.0	48.5				
	00:35		51.4	55.0	48.5				

Noise Levels



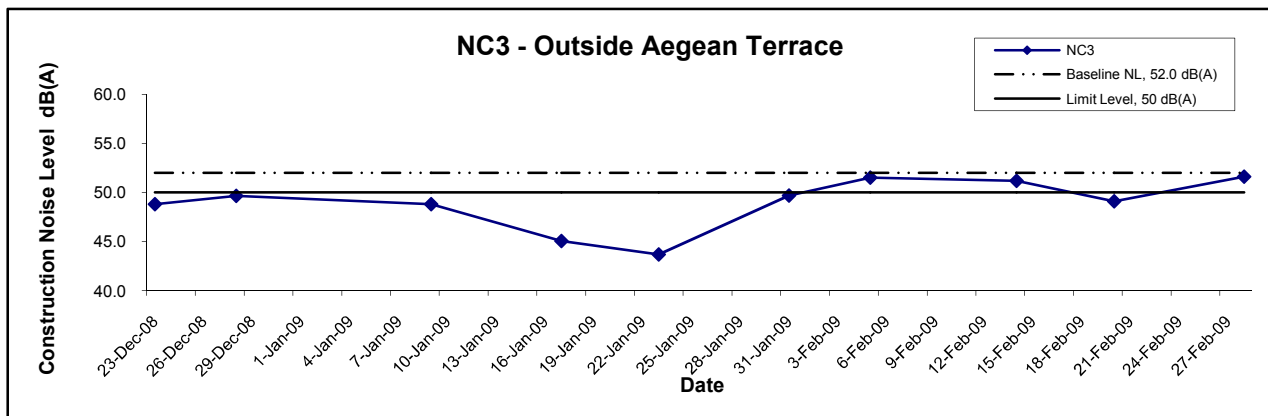
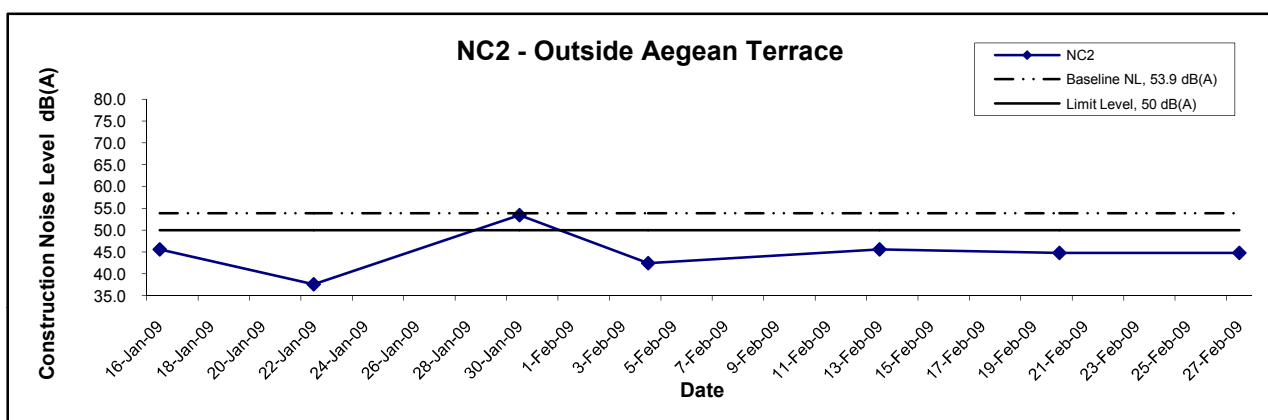
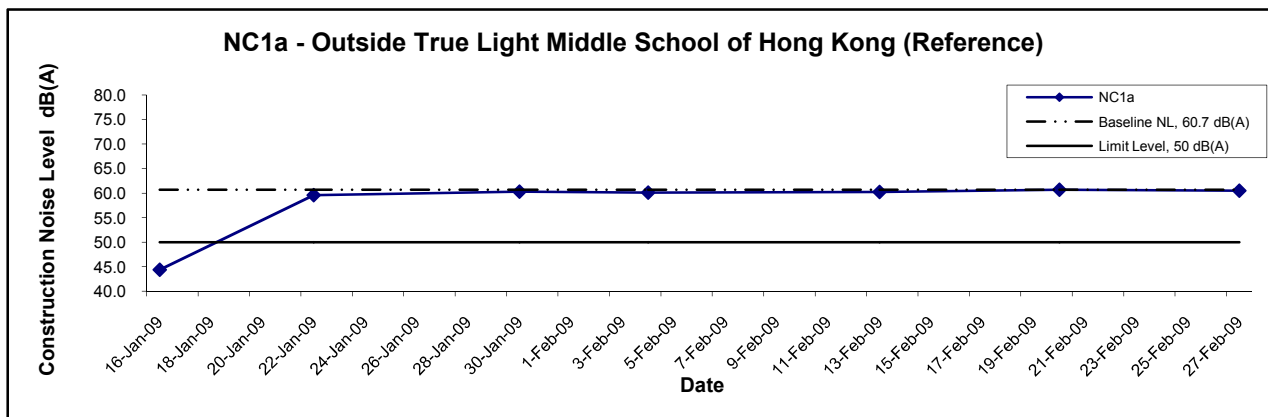
Title Contract No. DC/2007/10 Design and Construction of Hong Kong West Drainage Tunnel Graphical Presentation of Construction Noise Monitoring Results	Scale N.T.S	Project No. MA8001	CINOTECH
	Date Feb 09	Appendix G	

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 Feb 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 Feb 09	Appendix G	