

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-Jul-09	9:50	Sunny	66.8	69.3	63.2	70.2	66.8 Measured ≤ Baseline
8-Jul-09	9:55	Sunny	67.2	69.5	63.5		67.2 Measured ≤ Baseline
16-Jul-09	9:45	Sunny	66.7	68.0	63.5		66.7 Measured ≤ Baseline
24-Jul-09	9:20	Sunny	67.2	69.8	63.2		67.2 Measured ≤ Baseline
29-Jul-09	9:15	Cloudy	67.6	69.9	63.8		67.6 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-Jul-09	11:15	Sunny	67.2	69.6	64.3	64.8	63.5
8-Jul-09	11:25	Sunny	68.7	70.5	64.5		66.4
16-Jul-09	11:15	Sunny	67.9	69.5	64.0		65.0
24-Jul-09	10:45	Sunny	67.9	69.8	63.4		65.0
29-Jul-09	10:50	Sunny	67.8	70.7	62.8		64.8

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-Jul-09	14:25	Sunny	53.9	56.7	50.8	57.7	53.9 Measured ≤ Baseline
8-Jul-09	13:00	Sunny	54.2	55.5	52.0		54.2 Measured ≤ Baseline
16-Jul-09	14:55	Sunny	53.3	55.0	50.0		53.3 Measured ≤ Baseline
24-Jul-09	13:15	Sunny	54.8	57.1	50.7		54.8 Measured ≤ Baseline
29-Jul-09	14:10	Sunny	54.8	57.0	50.9		54.8 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-Jul-09	16:20	Sunny	66.4	69.0	63.2	63.5	63.3
8-Jul-09	16:25	Sunny	67.2	69.0	63.5		64.8
16-Jul-09	13:00	Sunny	67.1	69.5	63.5		64.6
24-Jul-09	15:30	Sunny	65.7	67.8	62.4		61.7
29-Jul-09	15:15	Sunny	66.2	68.7	63.0		62.9

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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
3-Jul-09	10:30	Sunny	56.2	58.5	52.8
8-Jul-09	9:10	Sunny	55.7	57.0	52.0
16-Jul-09	9:05	Sunny	54.2	56.5	50.0
24-Jul-09	10:00	Sunny	55.3	57.8	53.4
29-Jul-09	10:00	Cloudy	58.1	59.8	53.2

Location GNC2 - The Legend					
Date	Time	Weather	Unit: dB (A) (30-min)		
			Measured Noise Level		
			L _{eq}	L ₁₀	L ₉₀
3-Jul-09	13:20	Sunny	55.9	58.3	52.2
8-Jul-09	10:45	Sunny	51.8	53.0	50.0
16-Jul-09	10:35	Cloudy	52.6	54.0	50.0
24-Jul-09	11:30	Sunny	56.2	58.7	52.8
29-Jul-09	11:30	Sunny	57.9	59.7	53.6

Location GNC4 - Crane Court					
Date	Time	Weather	Unit: dB (A) (30-min)		
			Measured Noise Level		
			L _{eq}	L ₁₀	L ₉₀
3-Jul-09	15:15	Sunny	56.2	58.5	52.8
8-Jul-09	14:20	Sunny	50.3	51.0	49.5
16-Jul-09	14:05	Sunny	50.3	51.5	49.5
24-Jul-09	14:20	Cloudy	56.8	59.2	52.5
29-Jul-09	13:20	Sunny	54.8	56.5	51.9

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}								
5-Jul-09	9:05	Cloudy	67.2	69.0	64.0	67.1	65.8	61.2							
	9:10		66.8	69.0	64.0										
	9:15		67.3	68.5	63.5										
8-Jul-09	20:30	Fine	64.7	68.5	59.2	65.2		65.8	65.2 Measured ≤ Baseline						
	20:35		65.2	68.7	59.6										
	20:40		65.6	69.1	59.9										
12-Jul-09	9:20	Sunny	66.5	69.0	62.5	66.6			65.8	58.9					
	9:25		66.9	69.5	62.5										
	9:30		66.4	69.0	62.5										
16-Jul-09	19:00	Cloudy	66.7	68.0	63.5	66.9				65.8	60.4				
	19:05		67.2	68.5	64.0										
	19:10		66.8	68.0	64.0										
19-Jul-09	13:55	Sunny	67.9	69.5	65.5	67.5					65.8	62.5			
	14:00		67.5	69.0	65.0										
	14:05		67.0	69.0	65.0										
24-Jul-09	21:30	Cloudy	63.8	66.2	60.4	63.8						65.8	63.8 Measured ≤ Baseline		
	21:35		64.0	66.8	61.0										
	21:40		63.7	66.8	60.8										
26-Jul-09	10:00	Fine	65.3	68.1	60.8	65.3							65.8	65.3 Measured ≤ Baseline	
	10:05		64.9	67.8	59.8										
	10:10		65.6	68.4	61.0										
29-Jul-09	20:00	Fine	65.4	69.0	59.5	65.3								65.8	65.3 Measured ≤ Baseline
	20:05		65.7	69.5	59.5										
	20:10		64.9	68.0	59.0										

(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}							
5-Jul-09	9:40	Cloudy	64.1	65.5	63.0	63.9	59.1	62.2							
	9:45		63.8	65.0	62.5										
	9:50		63.9	65.0	62.5										
8-Jul-09	21:40	Fine	57.1	59.4	54.4	57.1		59.1	57.1 Measured ≤ Baseline						
	21:45		56.8	59.1	54.1										
	21:50		57.4	59.7	54.6										
12-Jul-09	9:55	Sunny	64.6	67.5	62.0	64.6			59.1	63.2					
	10:00		64.6	67.5	62.0										
	10:05		64.5	67.5	62.0										
16-Jul-09	19:50	Cloudy	63.1	65.5	61.0	63.3				59.1	61.2				
	19:55		63.4	65.5	60.5										
	20:00		63.3	66.0	60.5										
19-Jul-09	13:05	Sunny	65.0	67.0	63.5	64.7					59.1	63.3			
	13:10		64.6	66.5	63.0										
	13:15		64.6	66.5	63.0										
24-Jul-09	22:20	Cloudy	60.4	63.8	58.2	60.4						59.1	54.5		
	22:25		60.2	63.3	57.9										
	22:30		60.7	63.7	58.0										
26-Jul-09	10:30	Fine	64.3	66.8	61.8	64.6							59.1	63.2	
	10:35		64.8	65.6	61.5										
	10:40		64.6	65.5	61.3										
29-Jul-09	22:10	Fine	57.6	62.0	55.0	57.5								59.1	57.5 Measured ≤ Baseline
	22:15		57.2	61.0	54.5										
	22:20		57.6	61.5	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}						
5-Jul-09	13:25	Cloudy	50.8	52.0	48.5	50.9	53.8	50.9 Measured ≤ Baseline						
	13:30		51.1	52.0	49.0									
	13:35		50.6	51.5	49.0									
8-Jul-09	19:55	Fine	52.4	54.1	48.6	51.8			53.8	51.8 Measured ≤ Baseline				
	20:00		51.8	53.8	48.2									
	20:05		51.4	53.5	47.9									
12-Jul-09	13:35	Sunny	53.1	55.0	51.0	53.0					53.8	53.0 Measured ≤ Baseline		
	13:40		53.3	55.0	51.0									
	13:45		52.6	54.5	50.5									
16-Jul-09	20:25	Cloudy	50.1	51.0	49.0	50.2							53.8	50.2 Measured ≤ Baseline
	20:30		50.3	51.5	49.5									
	20:35		50.2	51.0	49.0									
19-Jul-09	15:05	Sunny	52.3	54.0	51.0	52.9	53.8	52.9 Measured ≤ Baseline						
	15:10		52.8	54.5	51.5									
	15:15		53.6	55.0	52.0									
24-Jul-09	19:45	Cloudy	51.4	52.0	49.4	51.2			53.8	51.2 Measured ≤ Baseline				
	19:50		50.9	52.4	49.5									
	19:55		51.2	52.0	49.8									
26-Jul-09	13:45	Fine	51.8	53.2	50.8	51.5					53.8	51.5 Measured ≤ Baseline		
	13:50		51.7	53.5	50.3									
	13:55		50.8	52.9	50.1									
29-Jul-09	19:10	Fine	52.4	55.0	47.0	52.4							53.8	52.4 Measured ≤ Baseline
	19:15		52.8	55.5	47.5									
	19:20		51.8	55.0	47.0									

(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}								
5-Jul-09	10:05	Cloudy	51.3	52.5	50.0	51.3	53.8	51.3 Measured ≤ Baseline						
	10:10		51.5	52.5	49.5									
	10:15		51.2	52.5	49.5									
8-Jul-09	21:00	Fine	51.9	53.2	48.1	51.9			53.8	51.9 Measured ≤ Baseline				
	21:05		52.3	53.8	48.5									
	21:10		51.5	52.9	48.3									
12-Jul-09	10:25	Sunny	52.3	53.5	49.0	52.3					53.8	52.3 Measured ≤ Baseline		
	10:30		52.4	53.5	49.5									
	10:35		52.3	53.5	49.0									
16-Jul-09	19:25	Cloudy	51.3	52.5	49.5	51.2							53.8	51.2 Measured ≤ Baseline
	19:30		51.2	52.5	49.5									
	19:35		51.2	52.5	50.0									
19-Jul-09	13:30	Sunny	52.6	54.0	51.0	52.5	53.8	52.5 Measured ≤ Baseline						
	13:35		52.3	54.0	51.0									
	13:40		52.7	54.0	51.5									
24-Jul-09	21:55	Cloudy	51.6	52.8	49.8	51.6			53.8	51.6 Measured ≤ Baseline				
	22:00		51.8	53.0	50.1									
	22:05		51.4	52.6	50.0									
26-Jul-09	10:55	Fine	51.8	52.6	49.8	51.8					53.8	51.8 Measured ≤ Baseline		
	11:00		52.1	53.6	50.3									
	11:05		51.4	52.8	49.6									
29-Jul-09	21:40	Fine	49.9	51.5	47.5	50.6							53.8	50.6 Measured ≤ Baseline
	21:45		50.5	51.5	47.5									
	21:50		51.2	52.0	48.0									

(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}								
5-Jul-09	13:00	Cloudy	48.7	49.5	48.0	48.8	53.8	48.8 Measured ≤ Baseline						
	13:05		48.8	49.5	48.0									
	13:10		48.8	49.5	48.0									
8-Jul-09	19:20	Fine	50.4	51.7	48.1	50.8			53.8	50.8 Measured ≤ Baseline				
	19:25		50.7	51.8	48.3									
	19:30		51.2	52.4	48.9									
12-Jul-09	13:00	Sunny	49.8	51.0	48.5	50.1					53.8	50.1 Measured ≤ Baseline		
	13:05		50.2	51.0	48.5									
	13:10		50.2	51.0	48.5									
16-Jul-09	20:55	Cloudy	49.6	50.5	49.0	49.4							53.8	49.4 Measured ≤ Baseline
	21:00		49.3	50.5	48.5									
	21:05		49.2	50.0	48.5									
19-Jul-09	15:40	Sunny	49.5	50.5	48.0	49.5	53.8	49.5 Measured ≤ Baseline						
	15:45		49.4	50.5	48.0									
	15:50		49.6	50.5	48.0									
24-Jul-09	20:25	Cloudy	49.4	50.2	48.2	49.5			53.8	49.5 Measured ≤ Baseline				
	20:30		49.3	50.4	48.5									
	20:35		49.8	50.8	48.7									
26-Jul-09	13:05	Fine	48.9	49.6	48.2	49.1					53.8	49.1 Measured ≤ Baseline		
	13:10		48.8	49.5	48.0									
	13:15		49.6	50.2	48.5									
29-Jul-09	19:45	Fine	50.8	52.5	47.0	51.4							53.8	51.4 Measured ≤ Baseline
	19:50		51.3	52.5	48.0									
	19:55		51.9	53.0	48.0									

(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}				
8-Jul-09	23:35	Fine	60.4	63.7	55.2	60.4	60.7	60.4 Measured ≤ Baseline			
	23:40		60.1	63.2	54.9						
	23:45		60.6	63.8	55.7						
16-Jul-09	23:25	Cloudy	59.6	61.5	57.0	59.5		60.7	59.5 Measured ≤ Baseline		
	23:30		59.6	61.5	57.0						
	23:35		59.3	61.5	57.0						
24-Jul-09	23:30	Cloudy	60.4	62.6	56.2	60.2			60.7	60.2 Measured ≤ Baseline	
	23:35		60.2	63.2	56.5						
	23:40		60.0	62.8	55.9						
29-Jul-09	23:30	Fine	59.6	62.5	53.5	60.1				60.7	60.1 Measured ≤ Baseline
	23:35		60.6	63.5	53.5						
	23:40		60.1	63.5	53.5						

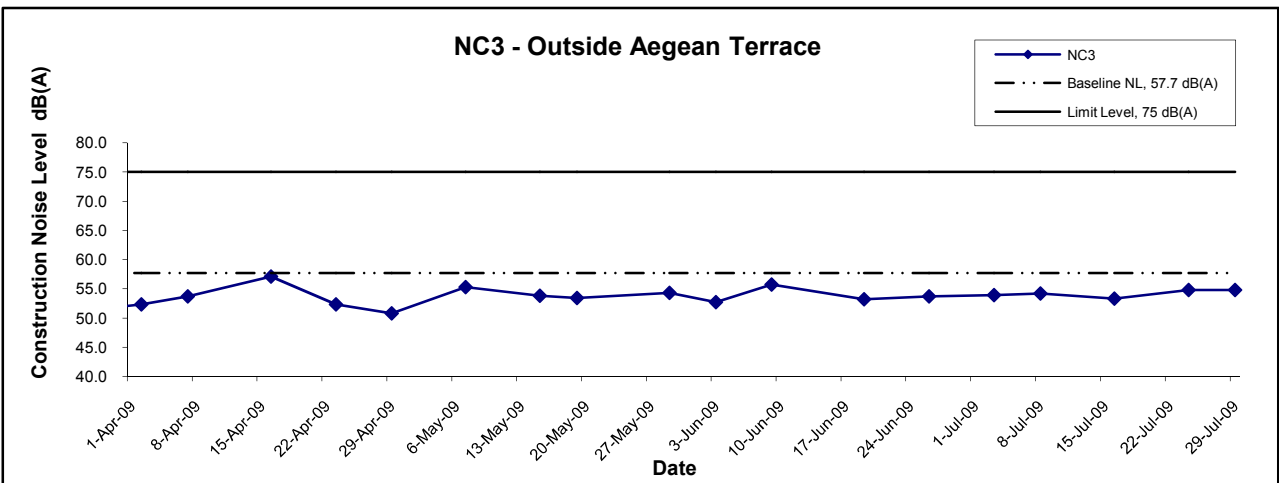
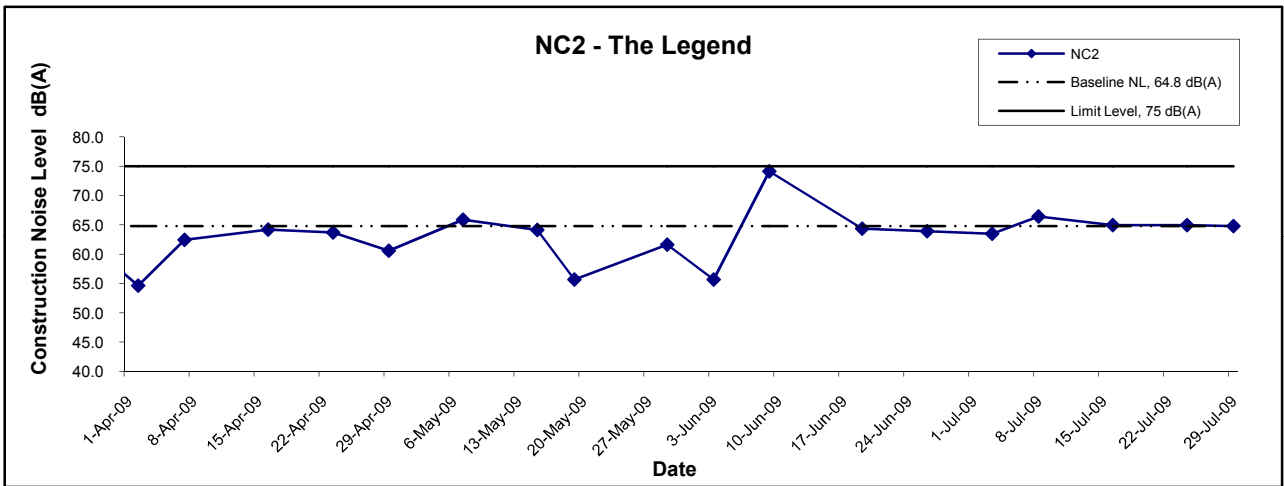
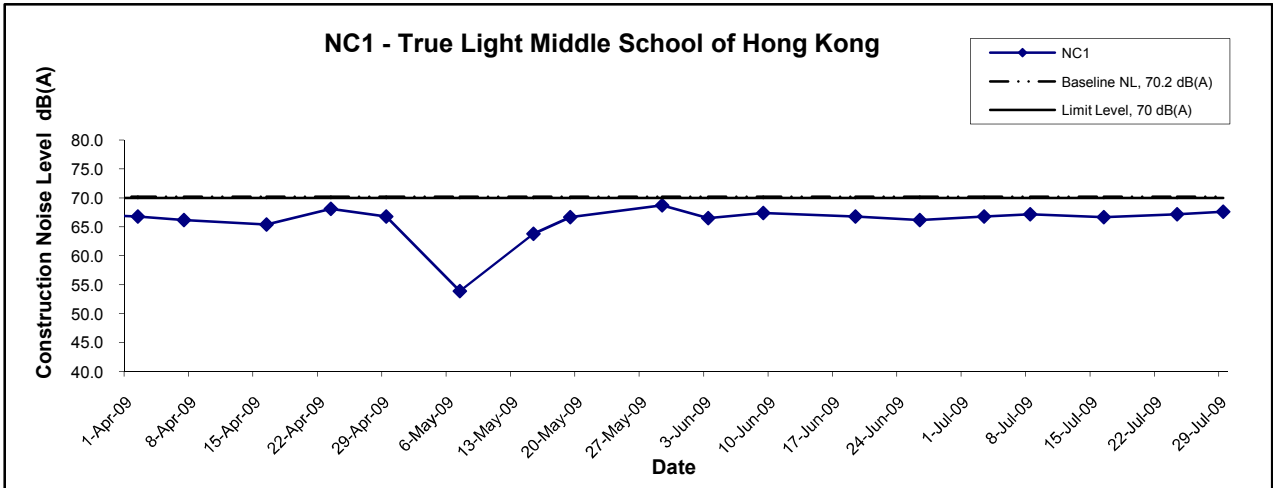
(Restricted Hours - 23:00 to 07:00 on all days)

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}			
8-Jul-09	23:00	Fine	53.6	57.8	51.1	53.8	53.9	53.8 Measured ≤ Baseline			
	23:05		53.9	57.9	51.4						
	23:10		53.8	57.9	51.3						
16-Jul-09	23:00	Cloudy	52.6	54.0	51.5	52.4		53.9	52.4 Measured ≤ Baseline		
	23:05		52.3	54.0	51.0						
	23:10		52.4	54.0	51.0						
24-Jul-09	23:00	Cloudy	52.8	55.4	51.2	52.9			53.9	52.9 Measured ≤ Baseline	
	23:05		52.8	55.7	51.3						
	23:10		53.0	56.4	51.5						
29-Jul-09	23:00	Fine	53.5	56.5	49.5	53.5				53.9	53.5 Measured ≤ Baseline
	23:05		53.2	56.0	49.5						
	23:10		53.7	56.5	50.0						

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

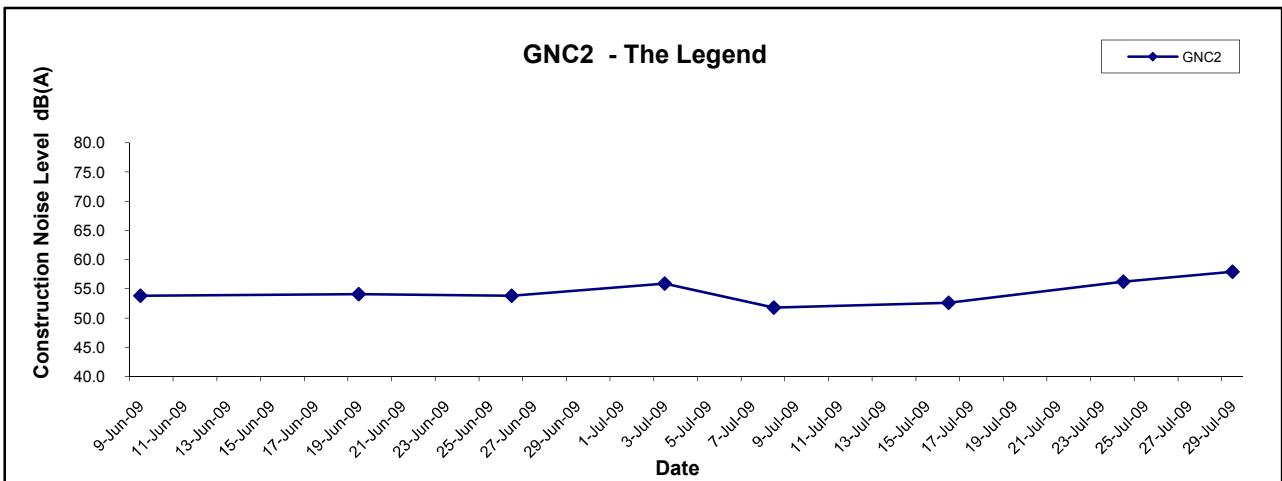
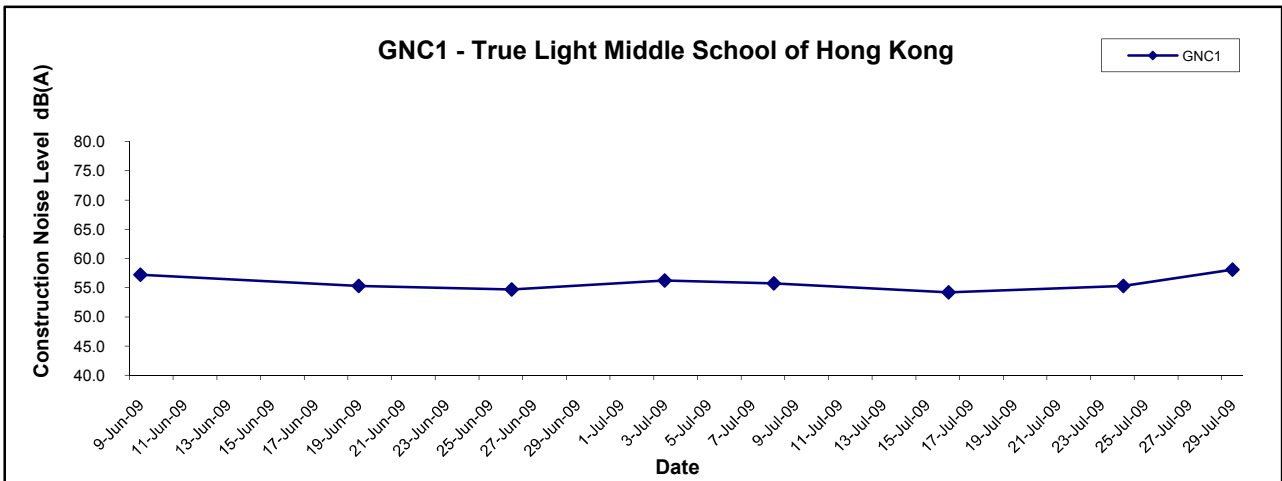
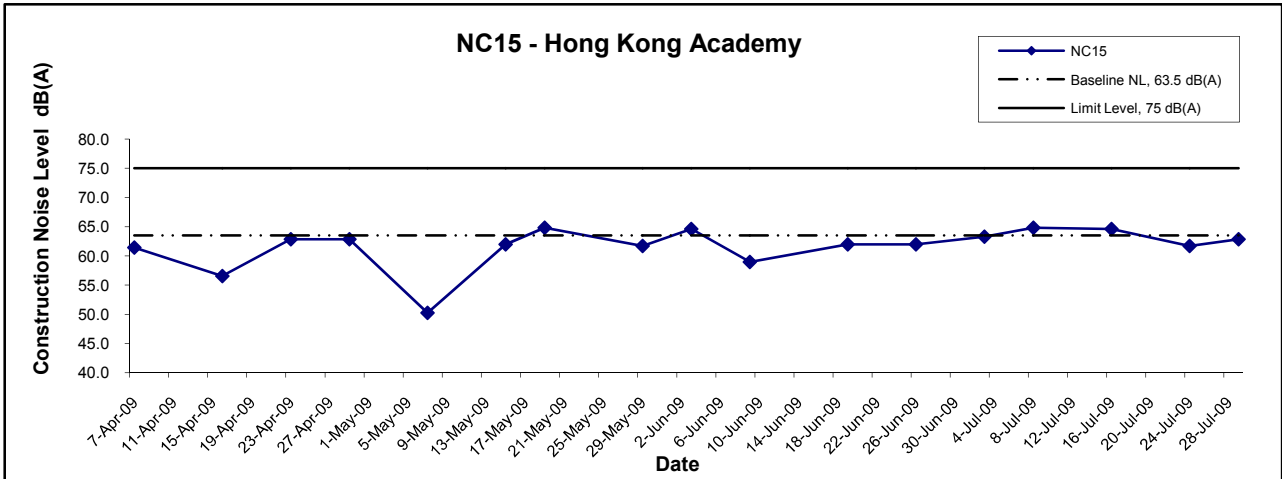
Location NC3 - Outside Aegean Terrace											
Date	Time	Weather	dB (A) (5-min)				Baseline Level	Construction Noise Level			
			L _{eq}	L ₁₀	L ₉₀	Average L _{eq}	L _{eq}	L _{eq}			
8-Jul-09	0:30	Fine	49.8	52.0	47.6	50.9	52.0	50.9 Measured ≤ Baseline			
	0:35		51.2	52.2	48.1						
	0:40		51.6	52.4	48.2						
16-Jul-09	0:10	Cloudy	50.8	52.0	48.5	50.8		52.0	50.8 Measured ≤ Baseline		
	0:15		50.6	52.0	48.5						
	0:20		50.9	52.0	48.5						
25-Jul-09	0:15	Cloudy	49.8	51.9	46.7	50.0			52.0	50.0 Measured ≤ Baseline	
	0:20		49.9	51.6	47.6						
	0:25		50.3	51.7	47.9						
30-Jul-09	00:20	Fine	50.4	52.0	45.5	50.1				52.0	50.1 Measured ≤ Baseline
	00:25		49.9	51.5	45.0						
	00:30		50.1	52.0	45.0						

Noise Levels



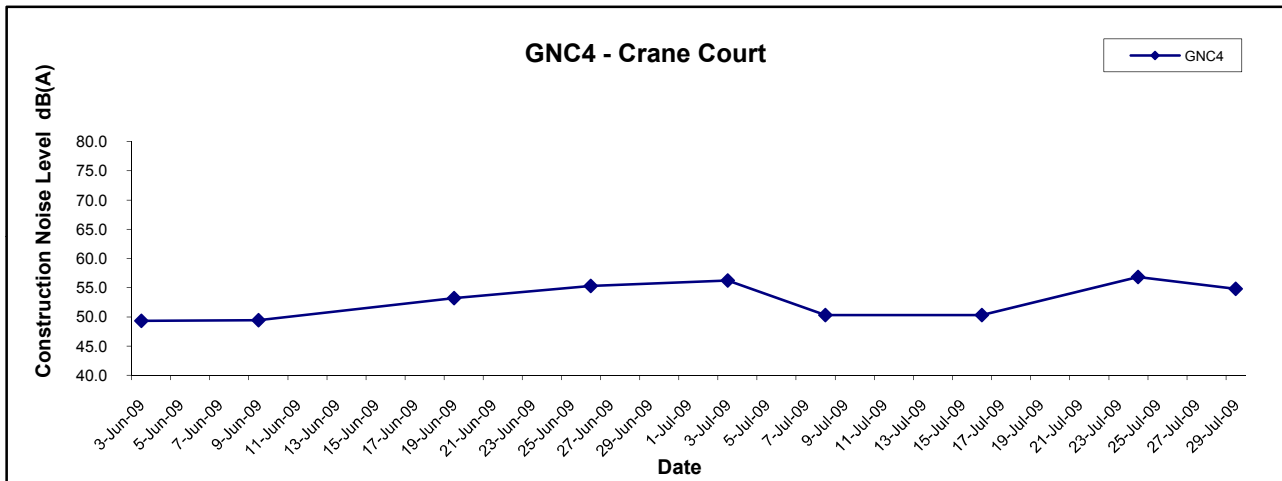
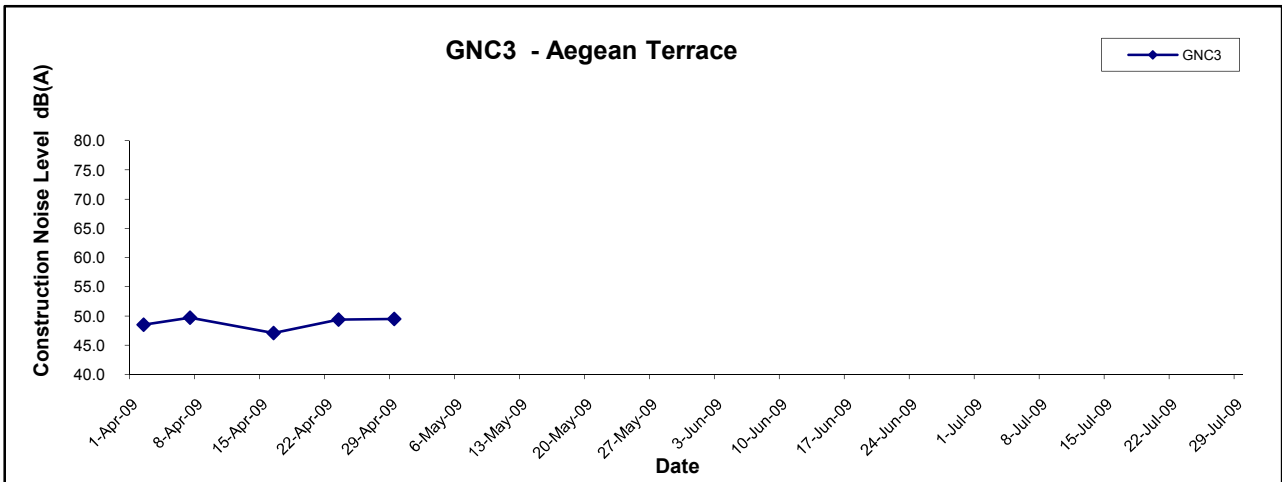
Title Contract No. DC/2007/10 Design and Construction of Hong Kong West Drainage Tunnel Graphical Presentation of Construction Noise Monitoring Results	Scale	N.T.S	Project No.	MA8001	CINOTECH
	Date	Jul 09	Appendix	G	

Noise Levels



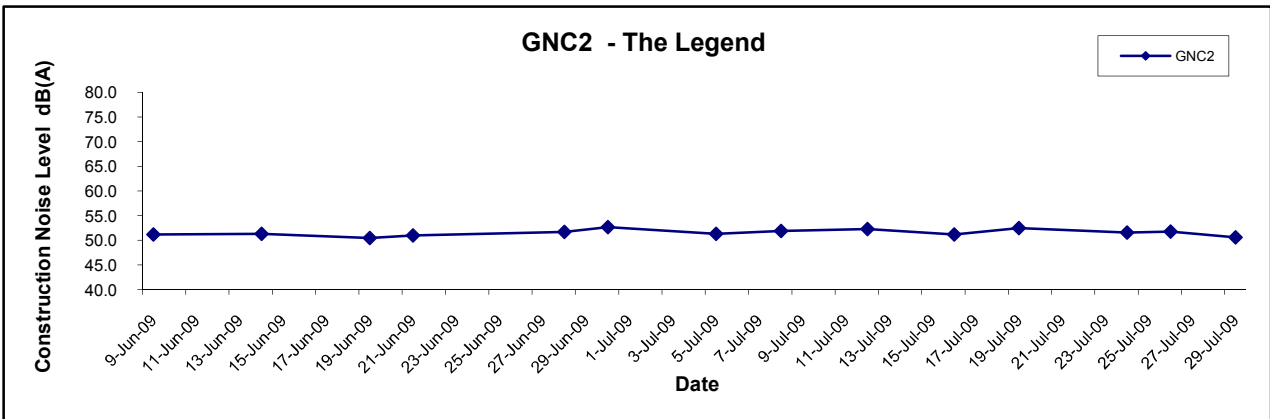
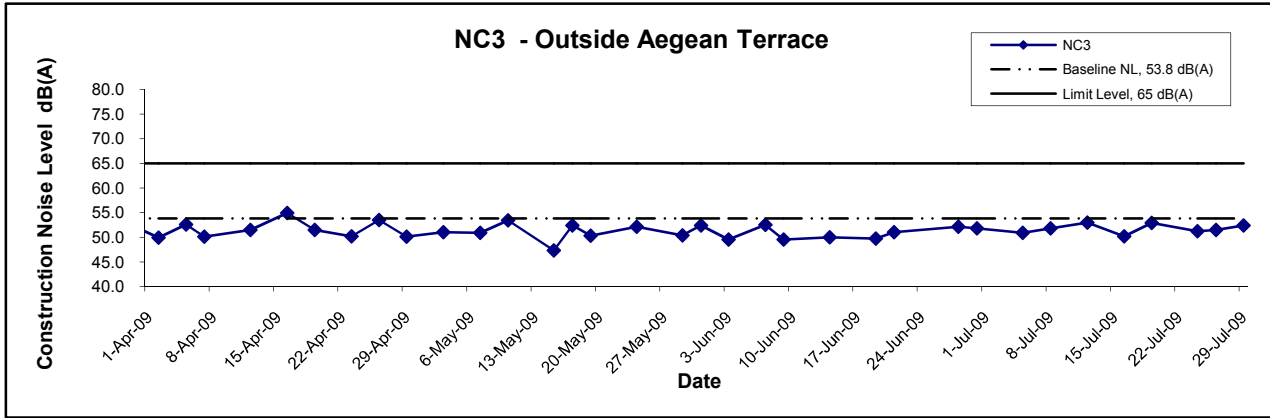
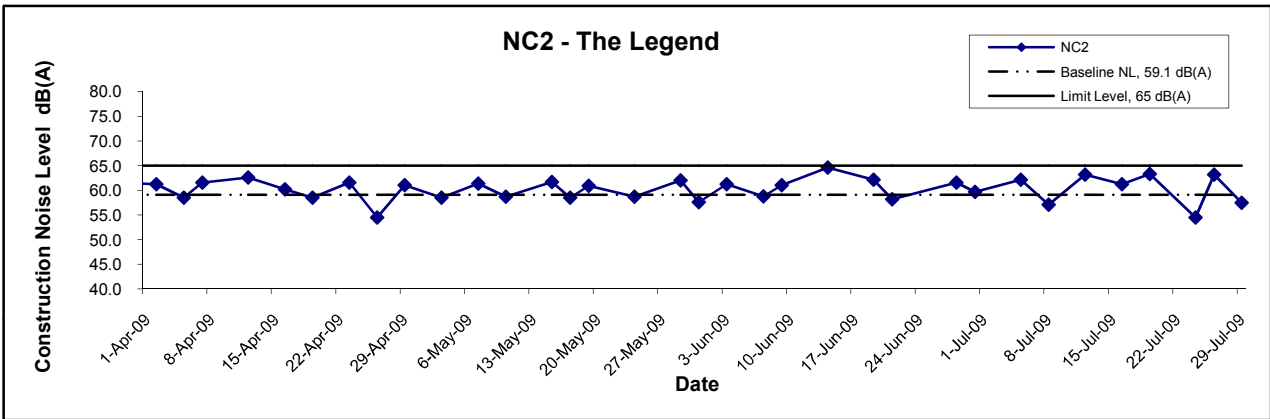
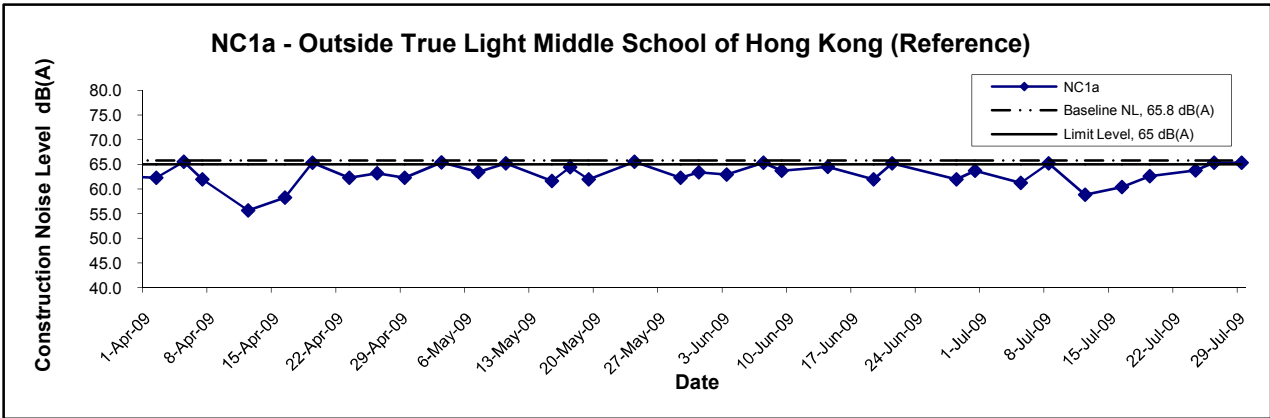
Title Contract No. DC/2007/10 Design and Construction of Hong Kong West Drainage Tunnel Graphical Presentation of Construction Noise Monitoring Results	Scale	N.T.S	Project No.	MA8001	CINOTECH
	Date	Jul 09	Appendix	G	

Noise Levels



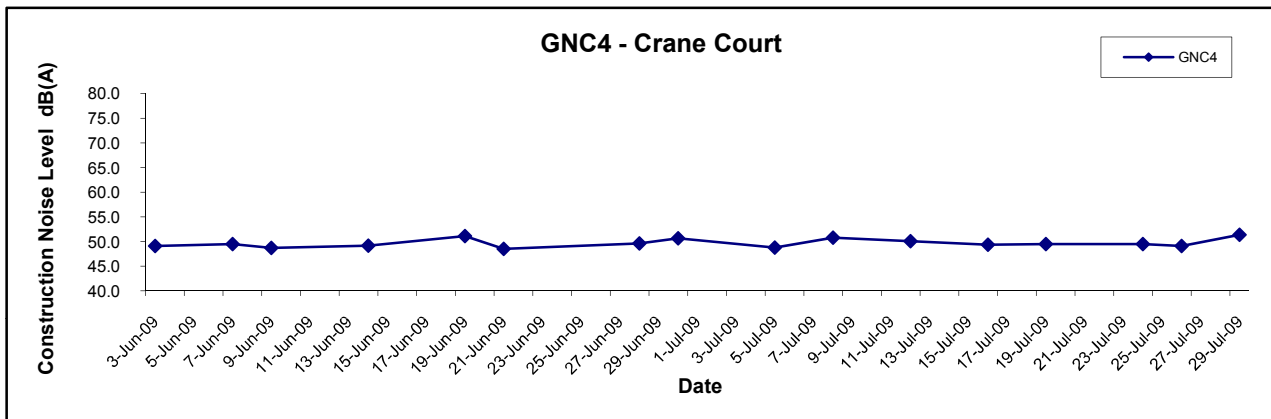
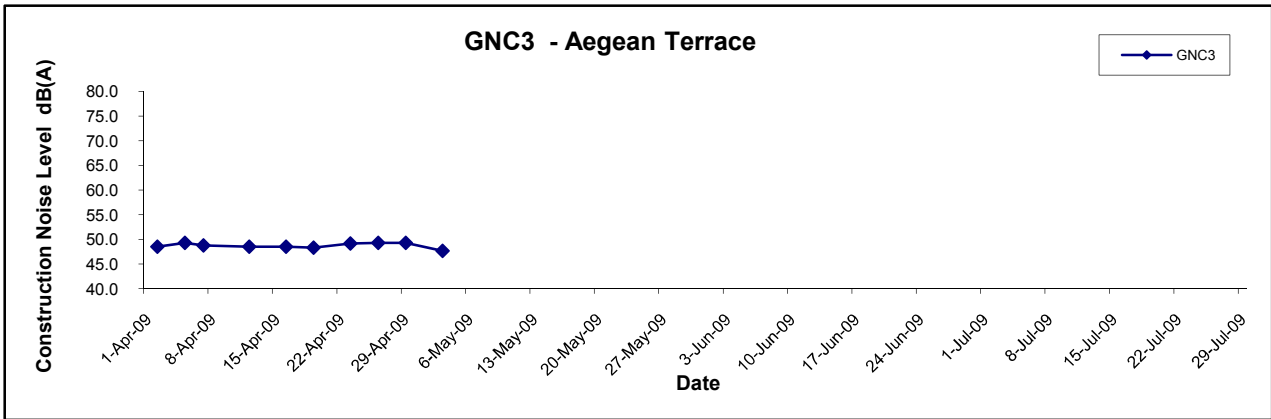
Title Contract No. DC/2007/10 Design and Construction of Hong Kong West Drainage Tunnel Graphical Presentation of Construction Noise Monitoring Results	Scale	N.T.S	Project No.	MA8001	CINOTECH
	Date	Jul 09	Appendix	G	

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



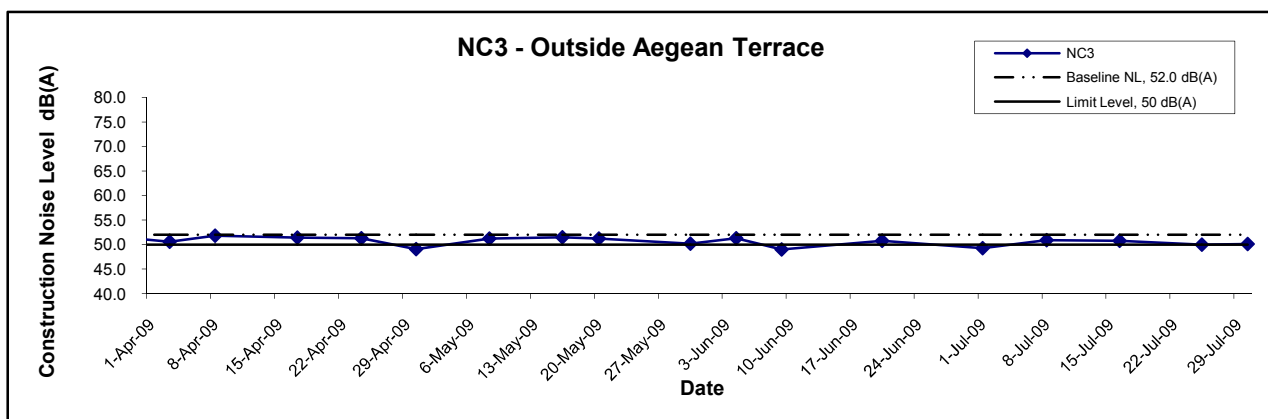
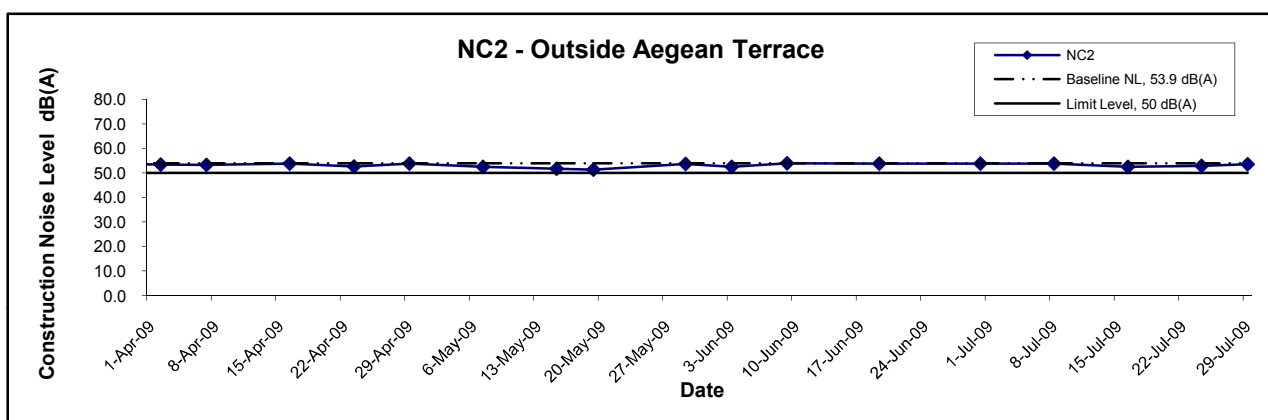
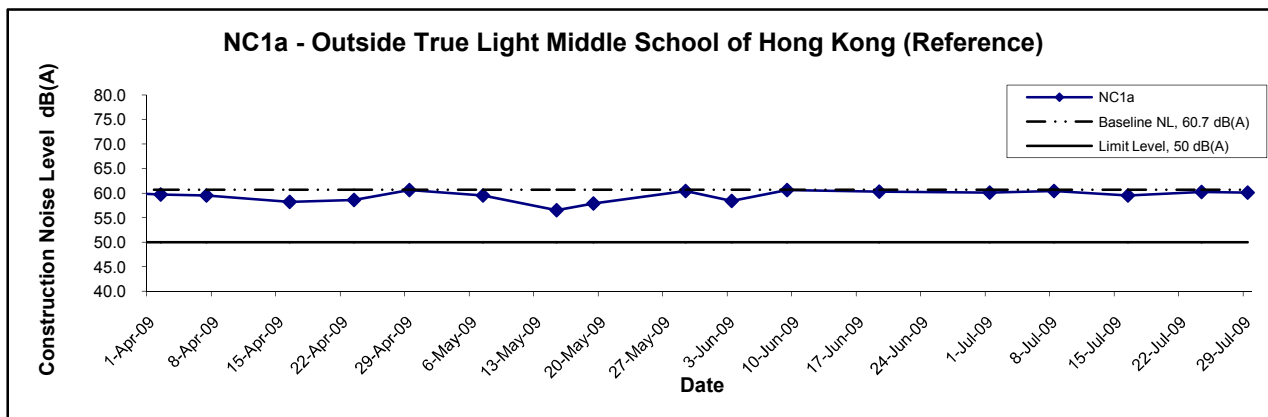
Title Contract No. DC/2007/10 Design and Construction of Hong Kong West Drainage Tunnel Graphical Presentation of Construction Noise Monitoring Results	Scale N.T.S	Project No. MA8001	CINOTECH
	Date Jul 09	Appendix G	

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 Jul 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 Jul 09	Appendix G	