

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}
1-Sep-09	9:40	Sunny	66.8	68.5	64.0	70.2	66.8 Measured ≤ Baseline
10-Sep-09	11:10	Sunny	68.4	70.2	64.5		68.4 Measured ≤ Baseline
17-Sep-09	9:10	Cloudy	66.4	68.9	63.7		66.4 Measured ≤ Baseline
23-Sep-09	9:50	Sunny	65.2	70.2	63.8		65.2 Measured ≤ Baseline
29-Sep-09	10:45	Cloudy	67.9	71.0	60.5		67.9 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}
1-Sep-09	10:25	Sunny	67.2	68.5	64.5	64.8	63.5
10-Sep-09	9:10	Sunny	67.5	69.4	64.8		64.2
17-Sep-09	10:25	Sunny	67.8	69.9	63.5		64.8
23-Sep-09	10:30	Sunny	66.1	71.3	63.2		60.2
29-Sep-09	11:30	Cloudy	66.2	68.0	64.0		60.6

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}
1-Sep-09	14:35	Sunny	52.8	53.5	51.0	57.7	52.8 Measured ≤ Baseline
10-Sep-09	13:50	Sunny	54.4	56.2	52.4		54.4 Measured ≤ Baseline
17-Sep-09	16:10	Sunny	54.7	57.2	50.1		54.7 Measured ≤ Baseline
23-Sep-09	13:15	Sunny	52.7	56.1	50.8		52.7 Measured ≤ Baseline
29-Sep-09	16:15	Cloudy	53.6	55.5	51.5		53.6 Measured ≤ Baseline

Location NC8 - Marymount Secondary School							
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}
17-Sep-09	9:50	Sunny	69.5	73.2	67.1	63.5	68.2
23-Sep-09	15:00	Sunny	69.0	72.5	66.5		67.6
29-Sep-09	13:00	Cloudy	65.7	68.5	62.0		61.7

Location NC9 - 117 Blue Pool Road							
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}
17-Sep-09	10:30	Sunny	69.9	73.6	67.5	63.3	68.8
23-Sep-09	10:00	Sunny	69.7	73.0	67.0		68.6
29-Sep-09	14:05	Cloudy	65.3	68.5	60.5		61.0

Location NC11 - Honey Court							
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}
1-Sep-09	16:45	Sunny	65.7	67.5	63.0	63.2	62.1
10-Sep-09	15:40	Sunny	64.6	66.7	61.5		59.0
17-Sep-09	15:10	Sunny	63.2	64.9	60.1		63.2 Measured ≤ Baseline
23-Sep-09	11:30	Sunny	61.2	62.6	58.7		61.2 Measured ≤ Baseline
29-Sep-09	15:10	Cloudy	65.2	68.0	63.0		60.9

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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}
1-Sep-09	16:45	Sunny	65.7	67.5	63.0	63.5	61.7
10-Sep-09	17:00	Sunny	68.4	69.5	63.8		66.7
17-Sep-09	14:10	Sunny	65.7	68.2	60.8		61.7
23-Sep-09	16:25	Sunny	65.2	71.3	61.8		60.3
29-Sep-09	17:21	Cloudy	65.3	69.0	62.5		60.6

Location GNC5 - Wu Cheng Chung Secondary School							
Date	Time	Weather	Unit: dB (A) (30-min)				
			Measured Noise Level				
			L _{eq}	L ₁₀	L ₉₀		
1-Sep-09	14:30	Sunny	49.2	51.1	47.8		
10-Sep-09	14:50	Sunny	49.6	51.4	47.8		
17-Sep-09	13:00	Sunny	50.6	51.8	48.9		
23-Sep-09	14:00	Sunny	50.2	52.1	48.2		
29-Sep-09	9:00	Cloudy	48.1	51.0	47.0		

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}								
1-Sep-09	19:00	Cloudy	67.7	69.0	63.5	67.5	65.8	62.6								
	19:05		67.4	69.0	63.0											
	19:10		67.3	68.5	63.5											
6-Sep-09	10:00	Sunny	64.3	66.8	57.8	64.7		65.8	64.7 Measured ≤ Baseline							
	10:05		64.7	66.9	58.2											
	10:10		65.1	67.2	58.3											
10-Sep-09	21:25	Cloudy	65.4	67.8	62.4	65.4			65.8	65.4 Measured ≤ Baseline						
	21:30		65.6	68.0	62.5											
	21:35		65.2	67.5	62.2											
13-Sep-09	9:40	Sunny	65.2	67.3	62.5	65.2				65.8	65.2 Measured ≤ Baseline					
	9:45		64.8	67.0	62.1											
	9:50		65.5	67.5	62.7											
17-Sep-09	19:00	Cloudy	67.2	69.8	64.2	67.4					65.8	62.3				
	19:05		67.4	69.8	64.4											
	19:10		67.5	69.9	64.5											
20-Sep-09	10:05	Sunny	65.4	69.2	58.3	65.1						65.8	65.1 Measured ≤ Baseline			
	10:10		65.2	69.0	58.0											
	10:15		64.7	68.6	57.7											
23-Sep-09	19:35	Fine	66.7	69.3	63.4	66.9							65.8	60.4		
	19:40		66.9	68.7	62.3											
	19:45		67.2	69.6	62.8											
27-Sep-09	10:00	Cloudy	64.9	69.1	58.6	64.9								65.8	64.9 Measured ≤ Baseline	
	10:05		65.2	69.4	58.8											
	10:10		64.7	68.9	58.5											
29-Sep-09	19:03	Cloudy	66.2	68.0	63.5	66.2									65.8	55.6
	19:05		66.4	69.0	64.5											
	19:08		66.1	68.5	64.0											

(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}								
1-Sep-09	19:55	Cloudy	63.6	64.5	62.5	63.5	59.1	61.5								
	20:00		63.4	64.5	62.5											
	20:05		63.4	64.5	62.5											
6-Sep-09	11:05	Sunny	63.9	64.3	59.8	63.5		59.1	61.5							
	11:10		63.5	64.7	60.0											
	11:15		63.2	64.9	59.7											
10-Sep-09	20:40	Cloudy	64.2	66.0	60.6	64.2			59.1	62.6						
	20:45		64.5	66.8	61.0											
	20:50		64.0	66.5	60.8											
13-Sep-09	10:15	Sunny	58.7	61.3	55.6	58.8				59.1	58.8 Measured ≤ Baseline					
	10:20		59.2	61.7	56.1											
	10:25		58.5	61.2	55.5											
17-Sep-09	19:30	Cloudy	63.7	65.8	59.4	63.7					59.1	61.9				
	19:35		63.8	65.6	59.8											
	19:40		63.5	65.5	59.4											
20-Sep-09	9:30	Sunny	59.0	62.6	52.4	58.8						59.1	58.8 Measured ≤ Baseline			
	9:35		58.7	62.3	52.4											
	9:40		58.6	62.2	52.1											
23-Sep-09	20:15	Cloudy	62.8	68.6	61.3	62.8							59.1	60.4		
	20:20		62.3	69.1	61.7											
	20:25		63.2	69.3	61.4											
27-Sep-09	10:35	Cloudy	59.6	64.3	56.4	60.4								59.1	54.5	
	10:40		60.4	64.7	57.0											
	10:45		61.2	65.2	57.8											
29-Sep-09	19:55	Cloudy	63.8	64.5	63.0	63.7									59.1	61.9
	20:00		63.7	64.5	63.0											
	20:05		63.7	64.5	62.5											

(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-Sep-09	21:25	Cloudy	49.8	50.5	49.0	49.9	53.8	49.9 Measured ≤ Baseline								
	21:30		49.8	50.5	49.0											
	21:35		50.0	50.5	49.0											
6-Sep-09	13:35	Sunny	51.6	53.3	48.6	51.3		53.8	51.3 Measured ≤ Baseline							
	13:40		50.9	53.0	48.2											
	13:45		51.3	53.2	48.7											
10-Sep-09	19:05	Cloudy	51.8	52.5	50.0	51.8			53.8	51.8 Measured ≤ Baseline						
	19:10		51.4	52.2	50.3											
	19:20		52.2	53.1	50.5											
13-Sep-09	11:10	Sunny	49.8	52.2	46.6	49.9				53.8	49.9 Measured ≤ Baseline					
	11:15		50.2	52.5	46.8											
	11:20		49.6	52.1	46.4											
17-Sep-09	21:20	Cloudy	49.7	51.2	45.9	49.6					53.8	49.6 Measured ≤ Baseline				
	21:25		49.5	51.0	45.8											
	21:30		49.6	51.2	45.8											
20-Sep-09	11:30	Sunny	54.2	55.8	50.9	53.0						53.8	53.0 Measured ≤ Baseline			
	11:35		52.3	54.9	49.9											
	11:40		52.1	54.6	49.8											
23-Sep-09	21:10	Cloudy	51.2	52.8	49.3	51.1							53.8	51.1 Measured ≤ Baseline		
	21:15		51.3	53.2	49.7											
	21:20		50.8	53.1	49.6											
27-Sep-09	11:00	Fine	51.2	54.3	48.1	51.1								53.8	51.1 Measured ≤ Baseline	
	11:05		51.4	54.6	48.3											
	11:10		50.8	54.3	48.2											
29-Sep-09	20:33	Cloudy	54.3	57.0	51.0	54.4									53.8	45.5
	20:38		54.1	57.5	52.0											
	20:43		54.9	57.0	51.5											

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(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}						
1-Sep-09	23:25	Fine	60.5	63.7	55.4	60.6	60.7	60.6 Measured ≤ Baseline						
	23:30		60.8	64.1	55.8									
	23:35		60.4	63.8	55.5									
10-Sep-09	23:25	Cloudy	57.6	62.5	56.9	57.8			60.7	57.8 Measured ≤ Baseline				
	23:30		57.9	62.8	57.2									
	23:35		58.0	63.1	57.3									
17-Sep-09	23:30	Fine	60.2	64.6	56.8	60.0					60.7	60.0 Measured ≤ Baseline		
	23:35		59.9	64.3	56.4									
	23:40		59.9	64.3	56.5									
23-Sep-09	23:45	Fine	60.4	64.0	54.5	60.2							60.7	60.2 Measured ≤ Baseline
	23:50		59.8	63.0	53.5									
	23:55		60.3	64.0	54.5									
29-Sep-09	23:35	Fine	60.2	64.0	54.0	60.2	60.7	60.2 Measured ≤ Baseline						
	23:40		60.5	64.0	54.0									
	23:45		60.0	64.0	54.0									

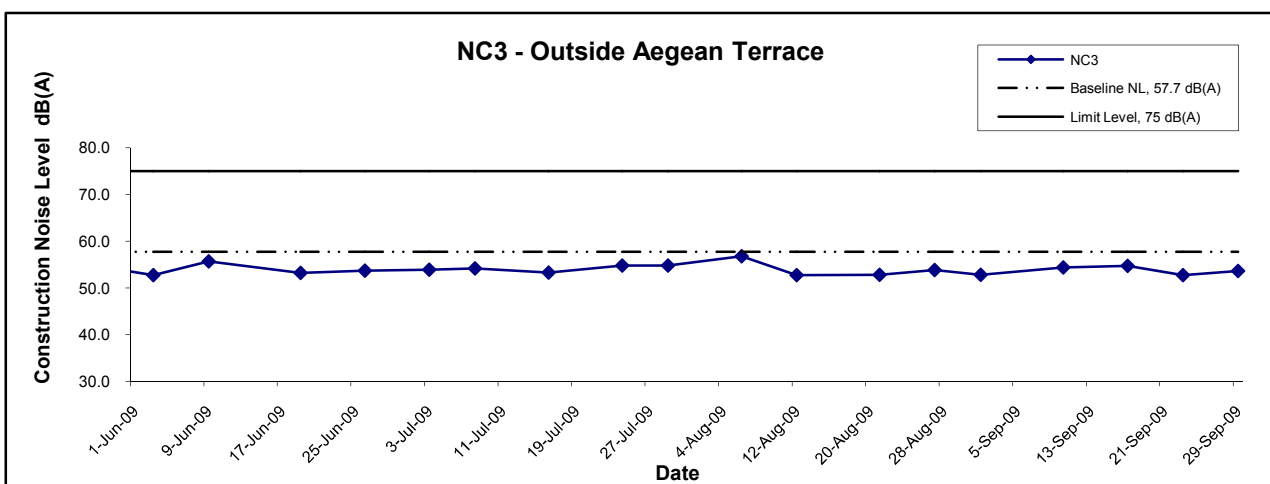
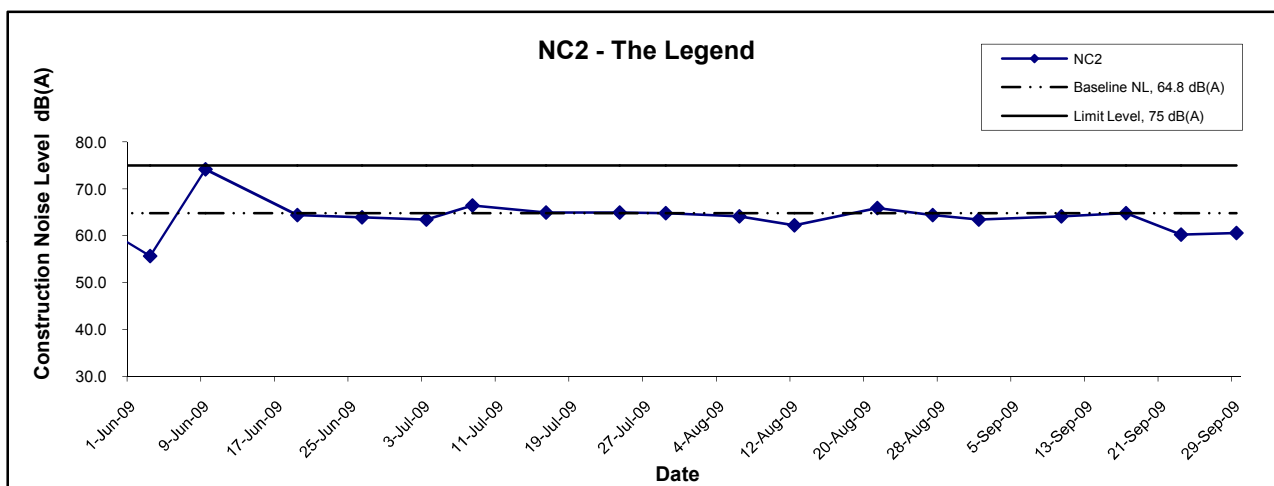
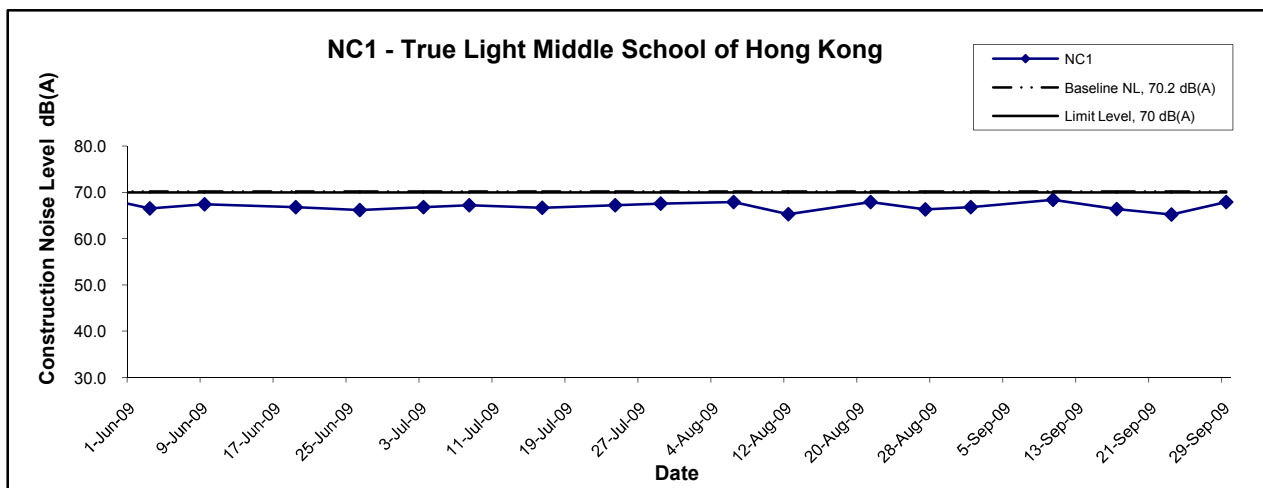
(Restricted Hours - 23:00 to 07:00 on all days)

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}						
1-Sep-09	23:00	Fine	53.7	54.8	50.8	53.6	53.9	53.6 Measured ≤ Baseline						
	23:05		53.8	54.8	51.0									
	23:10		53.4	54.6	50.4									
10-Sep-09	23:00	Cloudy	52.3	56.4	50.1	52.8			53.9	52.8 Measured ≤ Baseline				
	23:05		52.9	56.7	50.6									
	23:10		53.2	57.6	50.9									
17-Sep-09	23:00	Fine	53.6	57.2	50.4	53.6					53.9	53.6 Measured ≤ Baseline		
	23:05		53.7	57.5	50.6									
	23:10		53.5	57.0	50.6									
23-Sep-09	23:15	Fine	53.4	57.0	49.0	53.5							53.9	53.5 Measured ≤ Baseline
	23:20		53.6	57.0	49.5									
	23:25		53.5	56.5	49.0									
29-Sep-09	23:00	Fine	52.7	55.5	50.0	53.1	53.9	53.1 Measured ≤ Baseline						
	23:05		53.1	56.0	50.0									
	23:10		53.5	56.0	50.5									

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

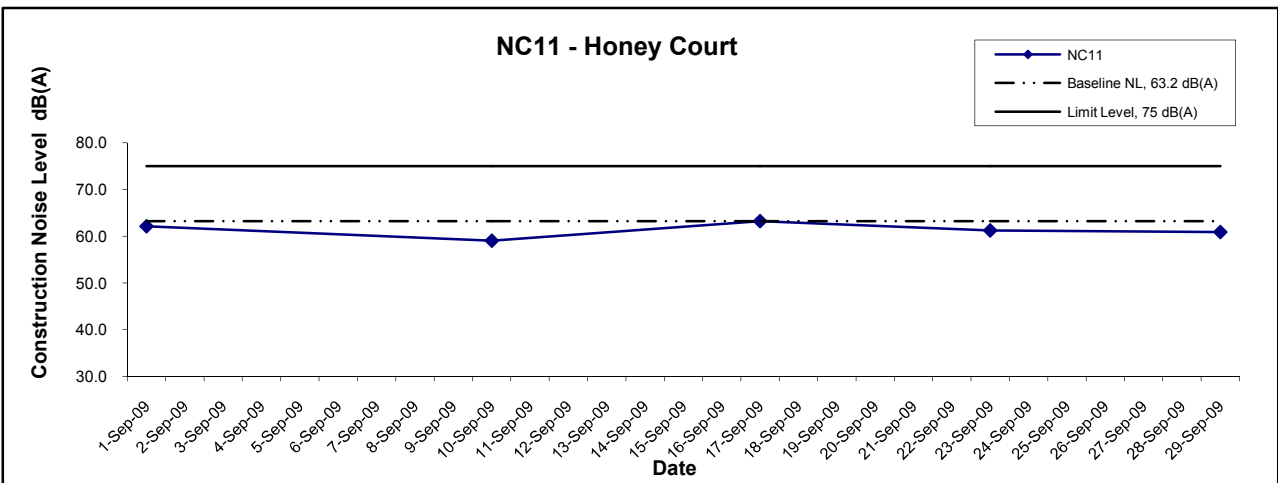
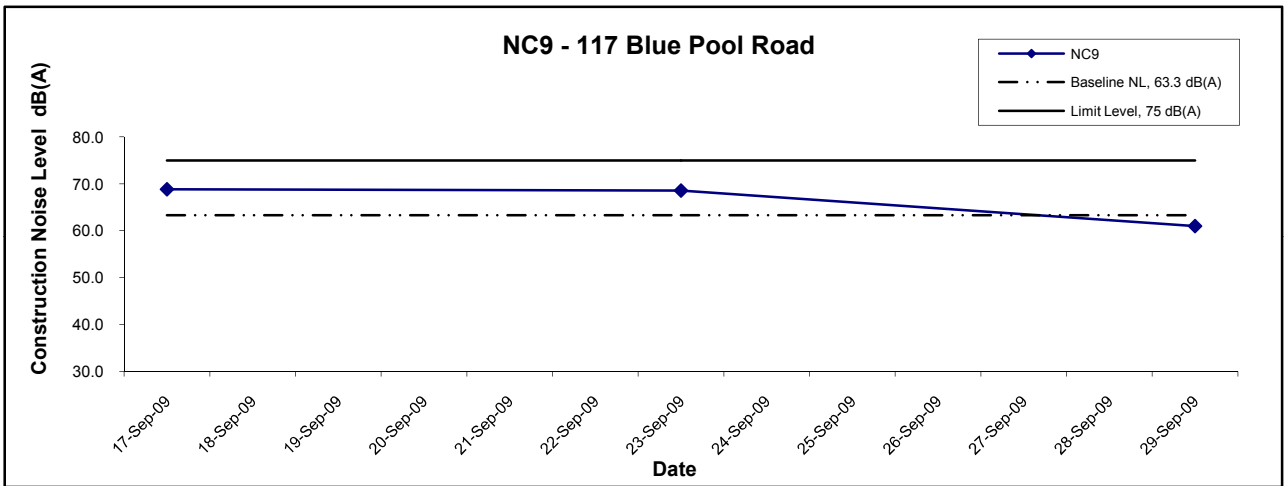
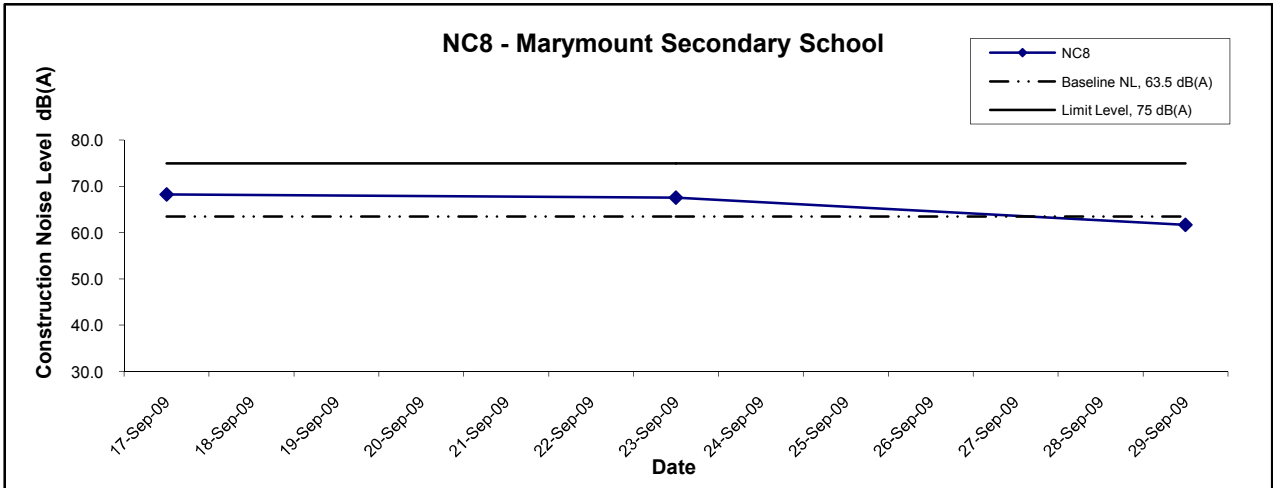
Location NC3 - Outside Aegean Terrace														
Date	Time	Weather	dB (A) (5-min)				Baseline Level	Construction Noise Level						
			L _{eq}	L ₁₀	L ₉₀	Average L _{eq}	L _{eq}	L _{eq}						
2-Sep-09	00:35	Fine	49.7	51.2	46.8	49.9	52.0	49.9 Measured ≤ Baseline						
	00:40		49.8	51.4	46.8									
	00:45		50.2	51.5	47.2									
11-Sep-09	0:25	Cloudy	49.6	51.7	46.2	49.7			52.0	49.7 Measured ≤ Baseline				
	0:30		49.6	51.8	46.2									
	0:35		49.8	52.2	47.3									
18-Sep-09	00:30	Fine	49.6	51.2	47.4	49.6					52.0	49.6 Measured ≤ Baseline		
	00:35		49.7	51.4	47.8									
	00:40		49.6	51.4	47.8									
23-Sep-09	00:35	Fine	49.9	52.0	47.5	50.1							52.0	50.1 Measured ≤ Baseline
	00:40		50.2	52.0	47.5									
	00:45		50.3	53.0	47.0									
29-Sep-09	00:20	Fine	50.2	52.5	48.5	50.1	52.0	50.1 Measured ≤ Baseline						
	00:25		50.2	52.5	48.5									
	00:30		50.0	52.5	48.5									

Noise Levels



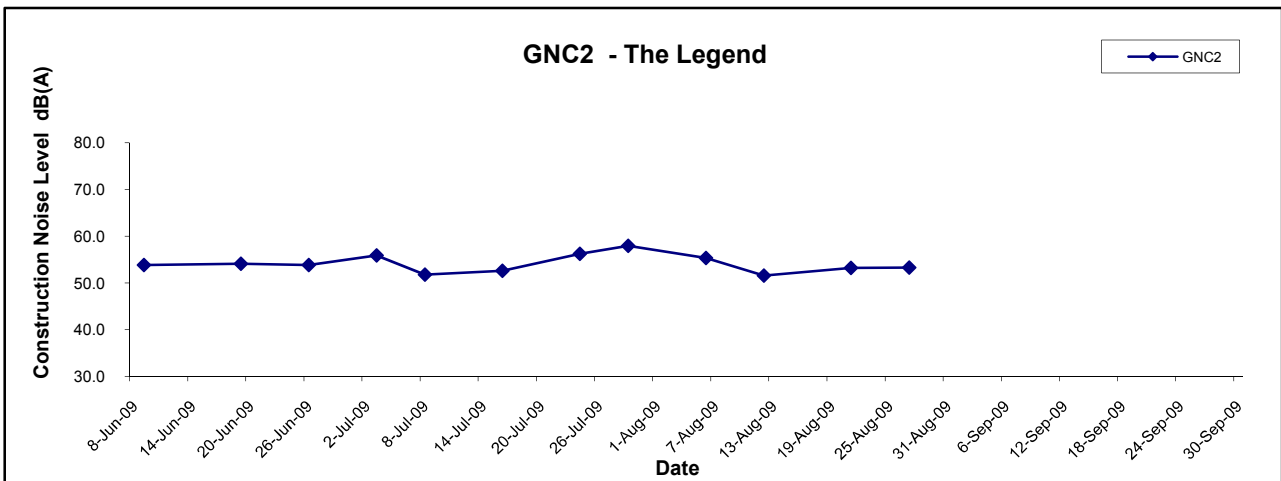
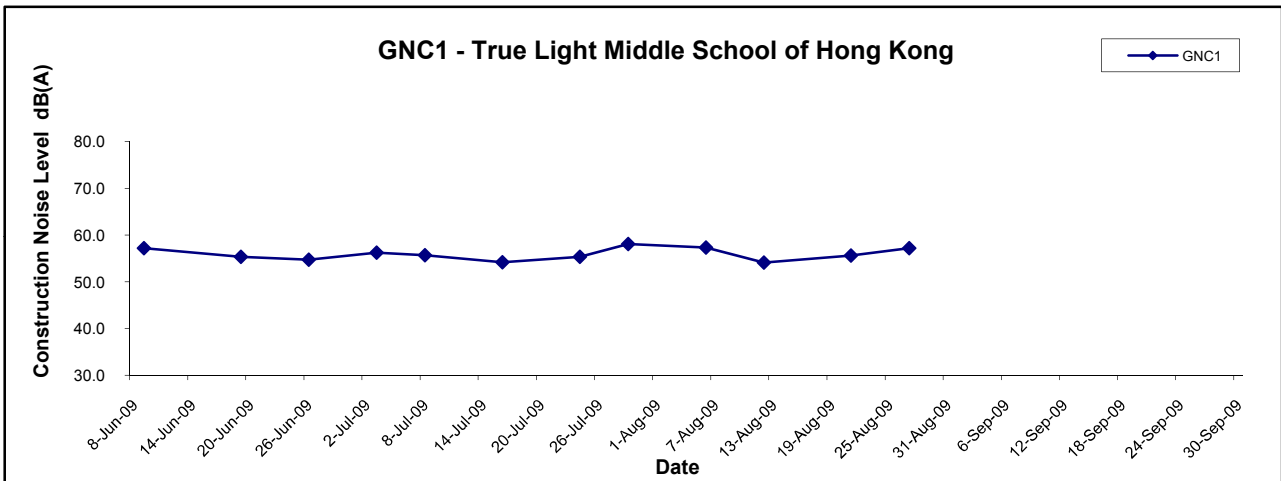
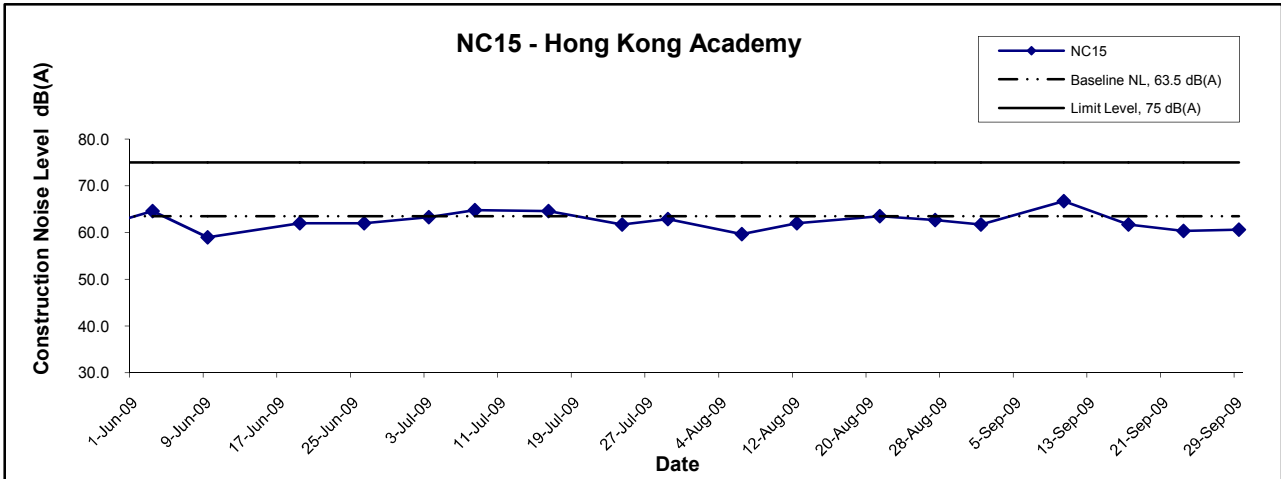
Title Contract No. DC/2007/10 Design and Construction of Hong Kong West Drainage Tunnel Graphical Presentation of Construction Noise Monitoring Results	Scale	N.T.S	Project No.	MA8001	CINOTECH
	Date	Sep 09	Appendix	G	

Noise Levels



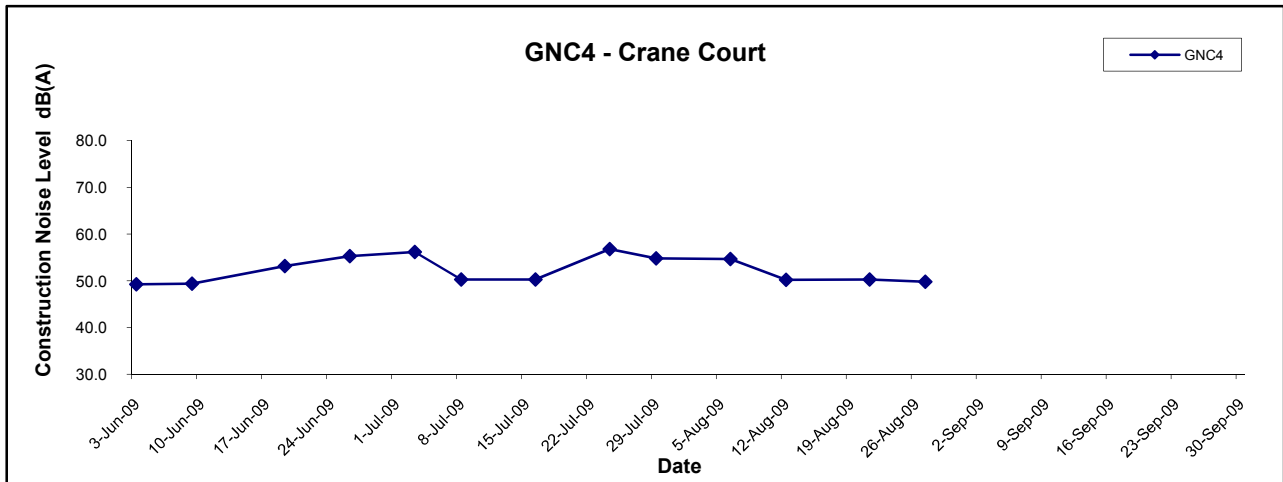
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Noise Levels



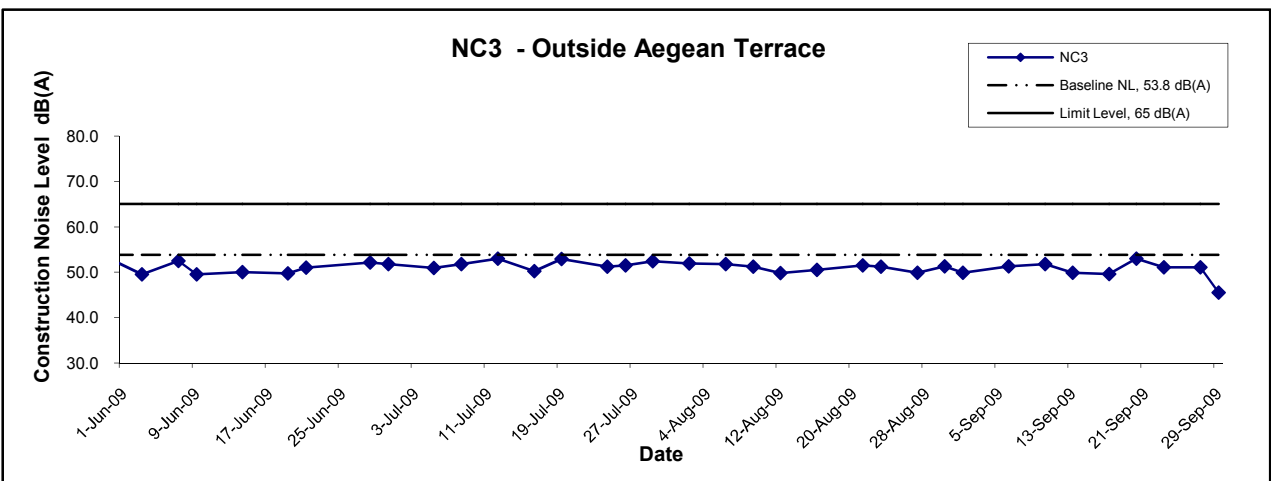
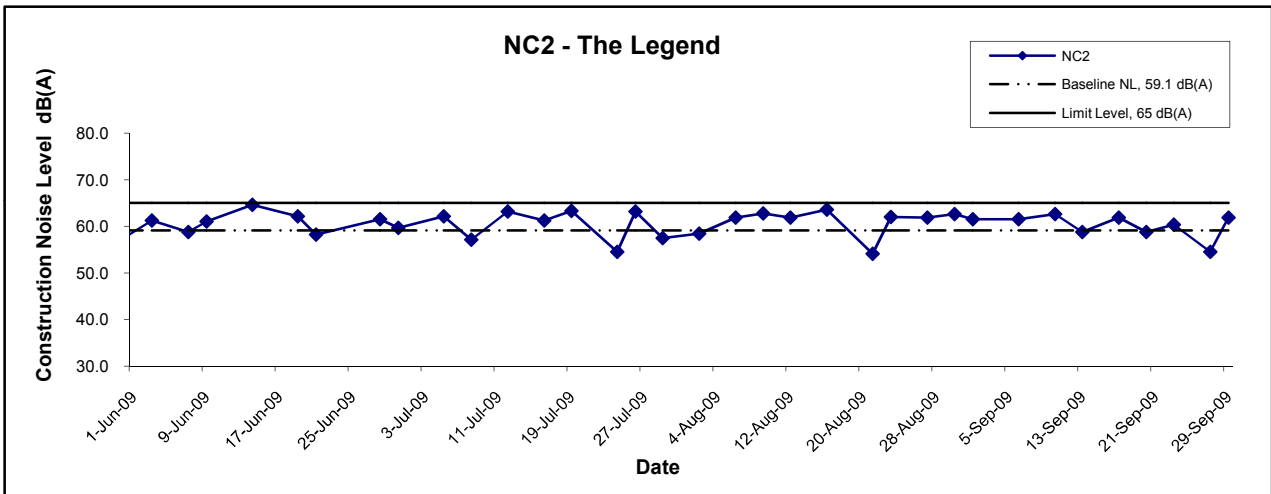
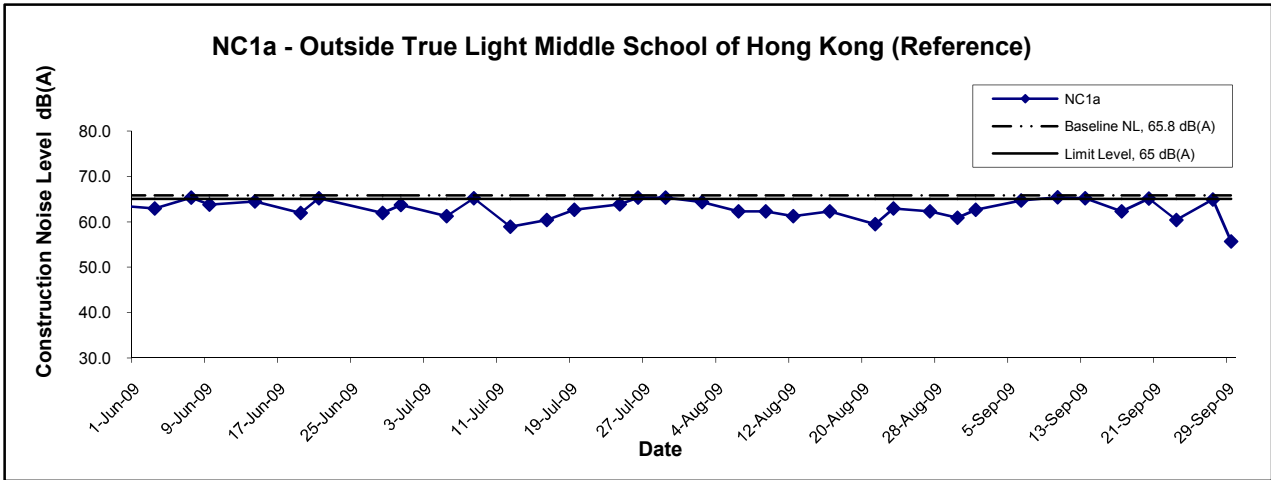
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Noise Levels



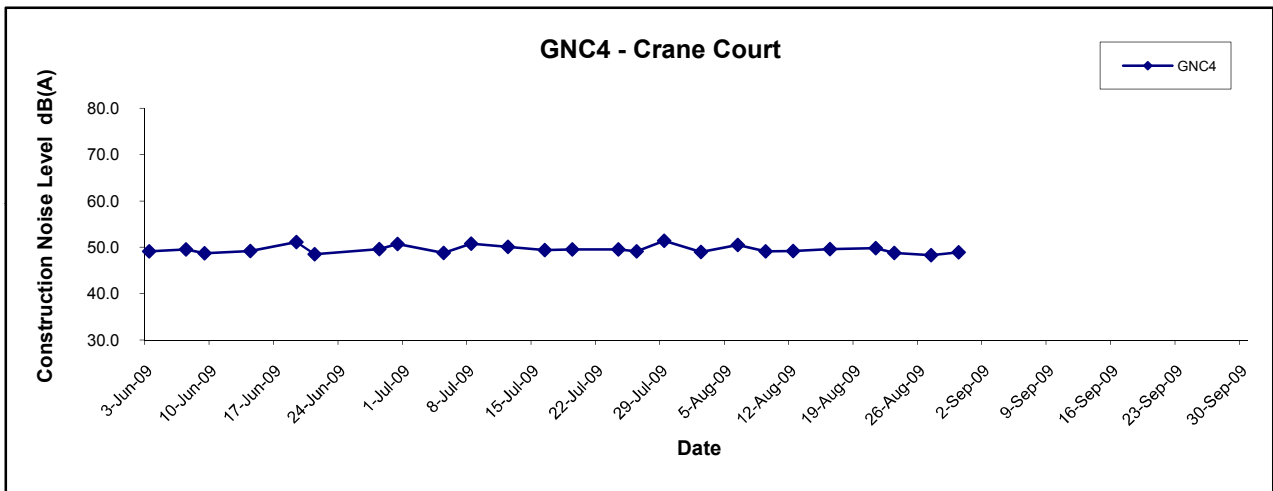
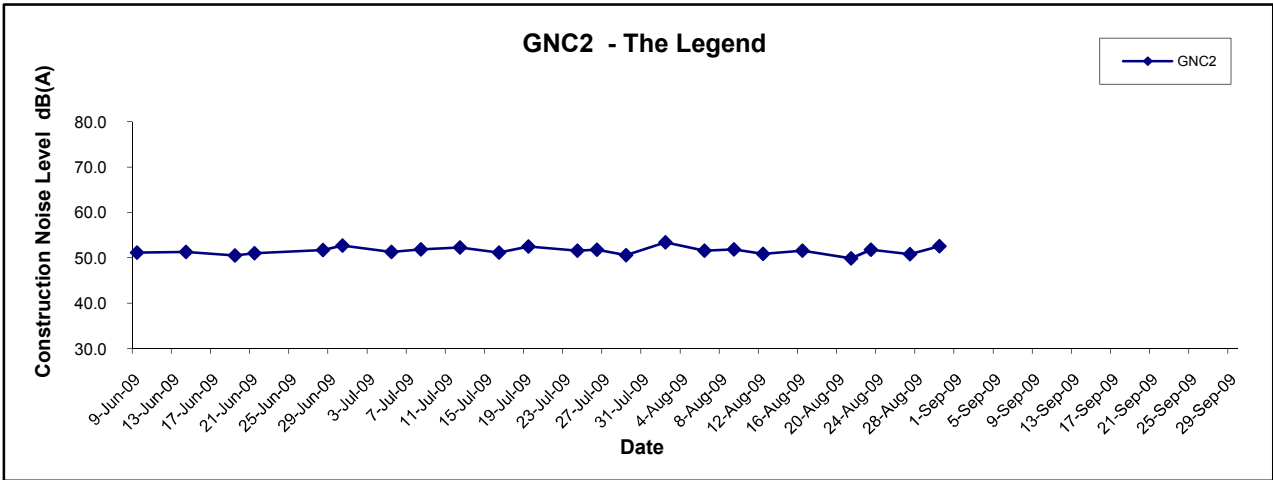
Title Contract No. DC/2007/10 Design and Construction of Hong Kong West Drainage Tunnel Graphical Presentation of Construction Noise Monitoring Results	Scale N.T.S	Project No. MA8001	CINOTECH
	Date Sep 09	Appendix G	

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



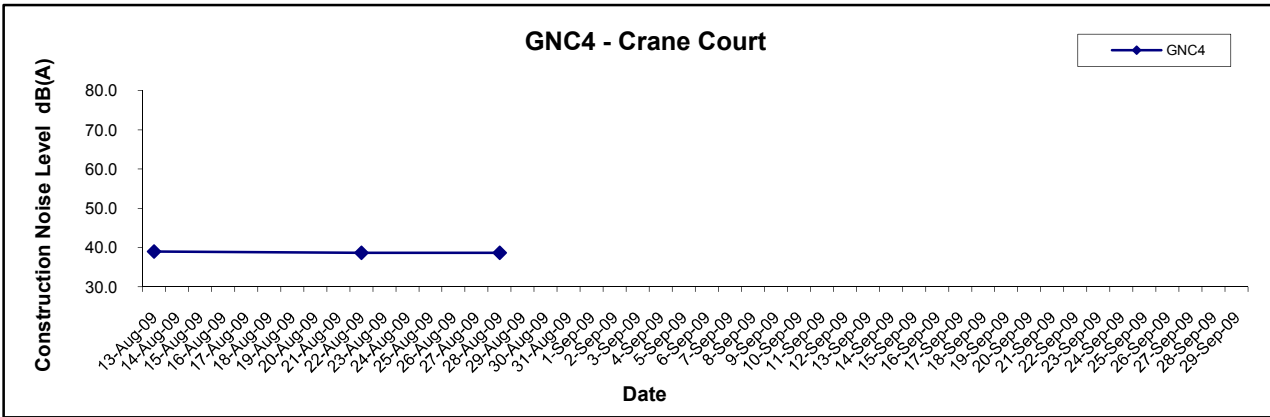
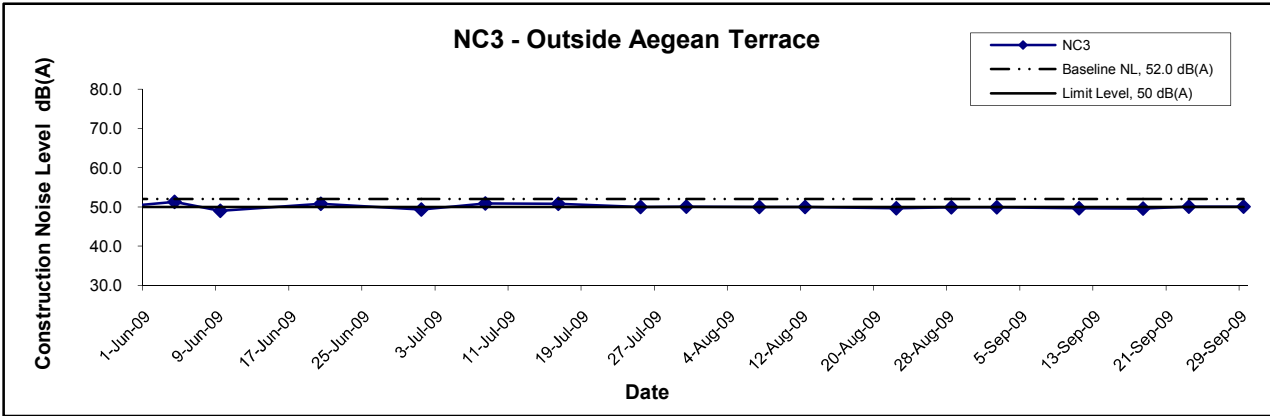
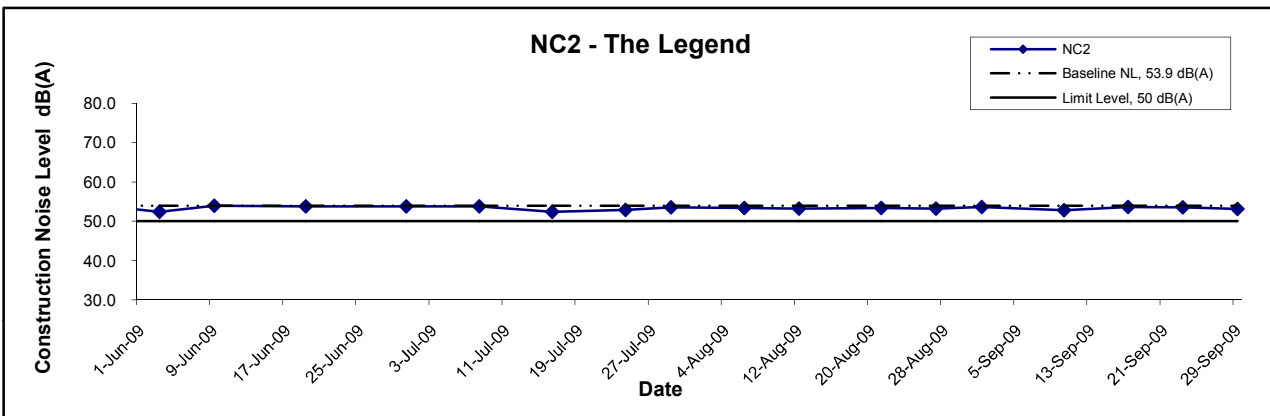
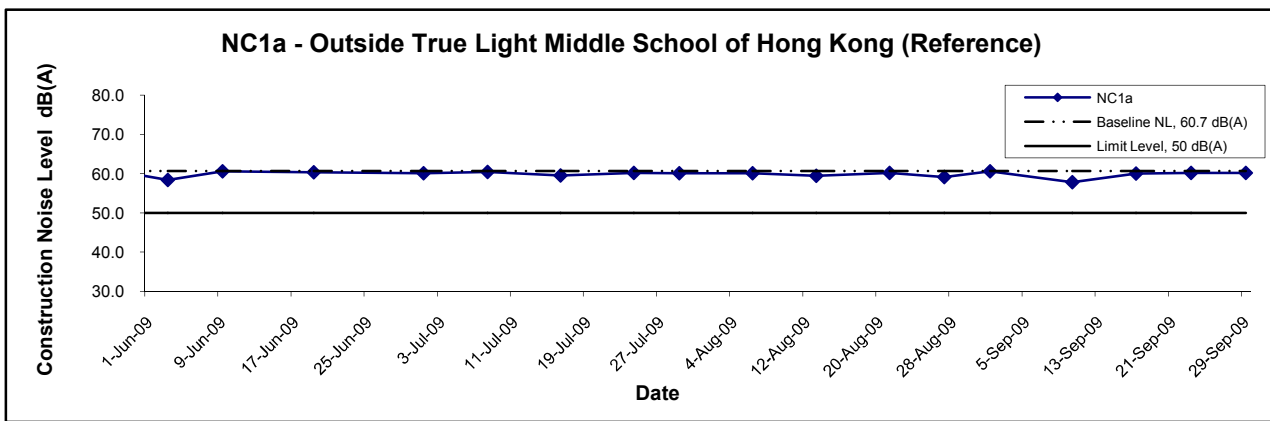
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	Graphical Presentation of Construction Noise Monitoring Results	Date	Sep 09	Appendix	G	

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 Sep 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	Sep 09	Appendix	G	