

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-Dec-09	10:00	Sunny	68.8	72.0	63.0	70.2	68.8 Measured ≤ Baseline
8-Dec-09	9:00	Cloudy	67.9	69.0	63.5		67.9 Measured ≤ Baseline
16-Dec-09	9:25	Cloudy	68.7	70.3	62.8		68.7 Measured ≤ Baseline
22-Dec-09	9:15	Cloudy	66.8	69.2	63.2		66.8 Measured ≤ Baseline
30-Dec-09	9:25	Cloudy	65.2	68.5	62.9		65.2 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}
1-Dec-09	9:10	Sunny	67.6	69.5	62.0	64.8	64.4
8-Dec-09	9:50	Cloudy	66.5	68.0	64.0		61.6
16-Dec-09	10:10	Cloudy	68.9	71.2	63.4		66.8
22-Dec-09	10:00	Cloudy	67.4	69.8	62.1		63.9
30-Dec-09	10:15	Cloudy	67.8	70.2	64.7		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}
1-Dec-09	11:00	Sunny	55.2	57.0	50.5	57.7	55.2 Measured ≤ Baseline
8-Dec-09	11:15	Cloudy	53.2	54.5	51.0		53.2 Measured ≤ Baseline
16-Dec-09	17:20	Cloudy	53.8	55.6	47.8		53.8 Measured ≤ Baseline
22-Dec-09	14:35	Sunny	52.9	55.2	48.7		52.9 Measured ≤ Baseline
30-Dec-09	16:10	Cloudy	53.4	55.8	48.7		53.4 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}
1-Dec-09	15:32	Sunny	69.0	71.5	64.5	63.5	67.6
8-Dec-09	15:40	Cloudy	68.7	71.0	64.5		67.1
16-Dec-09	13:10	Cloudy	70.2	72.7	65.4		69.2
22-Dec-09	10:50	Sunny	69.9	72.8	66.3		68.8
30-Dec-09	13:15	Cloudy	69.7	71.9	65.9		68.5

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}
1-Dec-09	15:00	Sunny	69.3	72.5	65.0	63.3	68.0
8-Dec-09	15:14	Cloudy	69.3	71.5	64.5		68.0
16-Dec-09	13:55	Cloudy	72.3	75.8	68.3		71.7
22-Dec-09	11:30	Sunny	71.7	73.8	67.4		71.0
30-Dec-09	14:00	Cloudy	72.1	75.2	68.4		71.5

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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-Dec-09	14:00	Sunny	64.7	67.5	60.5	63.2	59.4
8-Dec-09	14:10	Cloudy	65.2	67.5	60.5		60.9
16-Dec-09	15:35	Cloudy	63.4	65.8	56.5		49.9
22-Dec-09	13:10	Sunny	62.8	64.3	53.7		62.8 Measured ≤ Baseline
30-Dec-09	15:00	Cloudy	63.1	65.7	55.8		63.1 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}
1-Dec-09	16:45	Sunny	66.3	68.5	62.5	63.5	63.1
8-Dec-09	16:35	Cloudy	66.7	68.5	63.0		63.9
16-Dec-09	14:45	Cloudy	65.8	67.9	60.7		61.9
22-Dec-09	16:45	Sunny	65.9	68.6	60.7		62.2
30-Dec-09	11:15	Cloudy	66.6	69.4	60.8		63.7

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(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-Dec-09	20:00	Fine	67.1	68.5	63.0	67.0	65.8	60.8			
	20:05		66.8	68.5	63.0						
	20:10		67.1	68.5	63.5						
6-Dec-09	9:25	Cloudy	67.9	69.0	63.5	68.1		65.8	64.2		
	9:30		68.3	69.5	63.5						
	9:35		68.2	69.5	63.5						
8-Dec-09	19:00	Cloudy	68.3	69.5	64.5	68.3			65.8	64.7	
	19:05		68.5	69.5	64.0						
	19:10		68.2	69.5	64.0						
13-Dec-09	9:30	Cloudy	64.4	66.5	62.0	64.0				65.8	64.0 Measured ≤ Baseline
	9:35		63.7	66.5	62.5						
	9:40		63.9	67.0	62.5						
16-Dec-09	19:00	Cloudy	67.3	69.7	62.2	67.4	65.8				62.3
	19:05		67.6	69.9	62.6						
	19:10		67.4	68.7	62.1						
20-Dec-09	9:30	Sunny	66.7	68.5	62.5	66.7		65.8			59.4
	9:35		66.9	68.5	63.0						
	9:40		66.5	68.5	62.5						
22-Dec-09	19:00	Cloudy	66.8	69.7	63.2	66.8			65.8		59.9
	19:05		66.6	69.7	62.9						
	19:10		66.9	69.8	63.2						
26-Dec-09	10:00	Cloudy	65.4	68.0	62.5	65.7				65.8	65.7 Measured ≤ Baseline
	10:05		66.2	69.5	63.0						
	10:10		65.6	68.5	63.0						
30-Dec-09	19:00	Cloudy	67.6	69.8	62.4	67.7	65.8				63.2
	19:05		67.9	70.2	62.5						
	19:10		67.5	69.8	62.4						

(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-Dec-09	20:30	Fine	63.3	64.5	61.5	63.3	59.1	61.2			
	20:35		63.5	64.5	61.0						
	20:40		63.2	64.5	61.5						
6-Dec-09	10:00	Cloudy	63.8	65.0	62.5	64.4		59.1	62.9		
	10:05		64.7	66.0	63.0						
	10:10		64.7	65.5	63.0						
8-Dec-09	19:35	Cloudy	63.4	64.5	62.5	63.3			59.1	61.2	
	19:40		63.3	64.5	62.5						
	19:45		63.3	64.5	62.5						
13-Dec-09	10:15	Cloudy	60.5	63.0	58.5	60.8				59.1	55.9
	10:20		60.9	63.5	59.0						
	10:25		60.9	63.5	59.0						
16-Dec-09	19:30	Cloudy	64.2	67.1	60.7	64.5	59.1				63.0
	19:35		64.7	67.5	61.1						
	19:40		64.6	67.3	61.1						
20-Dec-09	10:00	Sunny	63.9	66.5	60.0	64.0		59.1			62.3
	10:05		63.7	66.5	59.5						
	10:10		64.4	67.0	60.0						
22-Dec-09	19:30	Cloudy	63.8	65.7	58.7	63.6			59.1		61.7
	19:35		63.7	65.7	58.5						
	19:40		63.4	65.4	58.4						
26-Dec-09	10:40	Cloudy	63.8	67.0	59.0	63.9				59.1	62.2
	10:45		63.9	67.0	59.5						
	10:50		64.1	67.5	59.5						
30-Dec-09	19:30	Cloudy	64.3	67.1	58.7	64.6	59.1				63.2
	19:35		64.7	67.5	58.8						
	19:40		64.8	67.7	59.1						

(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-Dec-09	19:05	Fine	52.4	54.5	50.5	52.7	53.8	52.7 Measured ≤ Baseline			
	19:10		52.6	55.0	50.5						
	19:15		53.0	55.0	50.5						
6-Dec-09	11:15	Cloudy	50.8	52.0	49.5	50.6		53.8	50.6 Measured ≤ Baseline		
	11:20		50.5	51.5	49.5						
	11:25		50.6	52.0	49.5						
8-Dec-09	20:15	Cloudy	49.8	50.5	48.5	49.7			53.8	49.7 Measured ≤ Baseline	
	20:20		49.7	50.5	48.5						
	20:25		49.7	50.5	48.5						
13-Dec-09	11:30	Cloudy	52.2	55.0	50.0	52.5				53.8	52.5 Measured ≤ Baseline
	11:35		52.7	55.5	50.5						
	11:40		52.6	55.5	50.5						
16-Dec-09	20:20	Cloudy	50.2	52.7	46.2	50.5	53.8				50.5 Measured ≤ Baseline
	20:25		50.6	52.9	46.6						
	20:30		50.8	52.8	47.3						
20-Dec-09	11:00	Sunny	51.1	54.0	47.5	51.4		53.8			51.4 Measured ≤ Baseline
	11:05		51.6	54.0	48.0						
	11:10		51.5	54.0	48.0						
22-Dec-09	20:25	Cloudy	48.7	51.3	46.6	48.9			53.8		48.9 Measured ≤ Baseline
	20:30		49.2	51.8	47.2						
	20:35		48.9	51.4	46.8						
26-Dec-09	13:00	Cloudy	52.5	54.5	49.5	52.4				53.8	52.4 Measured ≤ Baseline
	13:05		52.1	54.0	49.5						
	13:10		52.7	54.5	49.5						
30-Dec-09	20:30	Cloudy	48.9	51.2	46.3	48.7	53.8				48.7 Measured ≤ Baseline
	20:35		48.7	51.1	46.2						
	20:40		48.6	50.9	46.1						

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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-Dec-09	23:25	Fine	58.9	61.0	57.5	59.0	60.7	59.0 Measured ≤ Baseline						
	23:30		59.1	61.5	57.5									
	23:35		59.1	61.5	57.5									
8-Dec-09	23:35	Fine	60.0	62.0	55.5	60.0			60.7	60.0 Measured ≤ Baseline				
	23:40		59.7	61.5	55.5									
	23:45		60.3	62.0	56.0									
16-Dec-09	23:25	Cloudy	59.6	62.0	56.0	59.5					60.7	59.5 Measured ≤ Baseline		
	23:30		59.5	62.0	56.0									
	23:35		59.3	62.0	56.0									
22-Dec-09	23:30	Fine	59.6	61.0	55.5	59.8							60.7	59.8 Measured ≤ Baseline
	23:35		59.8	61.0	56.0									
	23:40		60.1	62.0	56.0									
30-Dec-09	23:25	Cloudy	58.6	60.5	54.5	58.4	60.7	58.4 Measured ≤ Baseline						
	23:30		58.5	60.5	54.5									
	23:35		58.1	60.0	54.0									

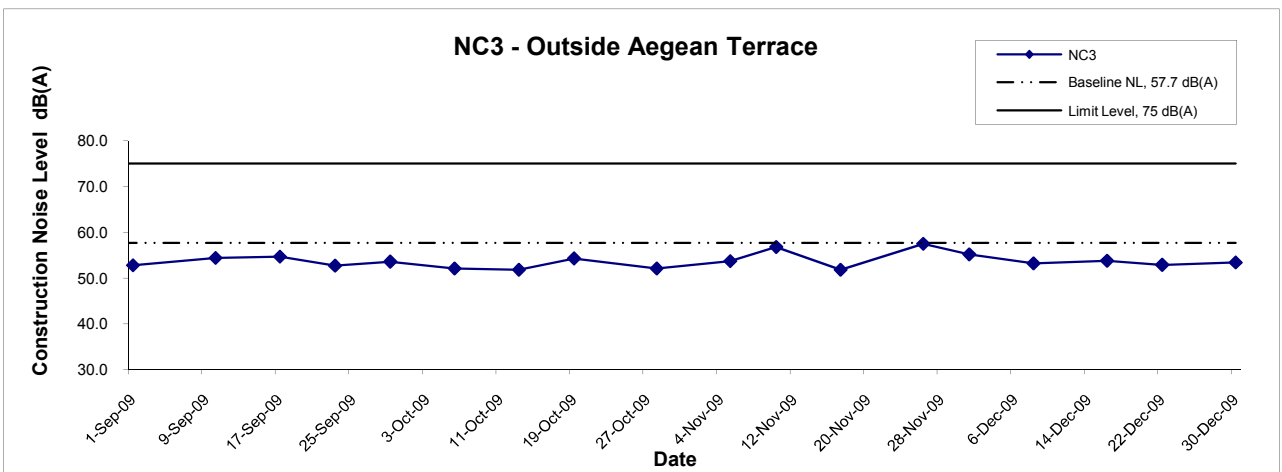
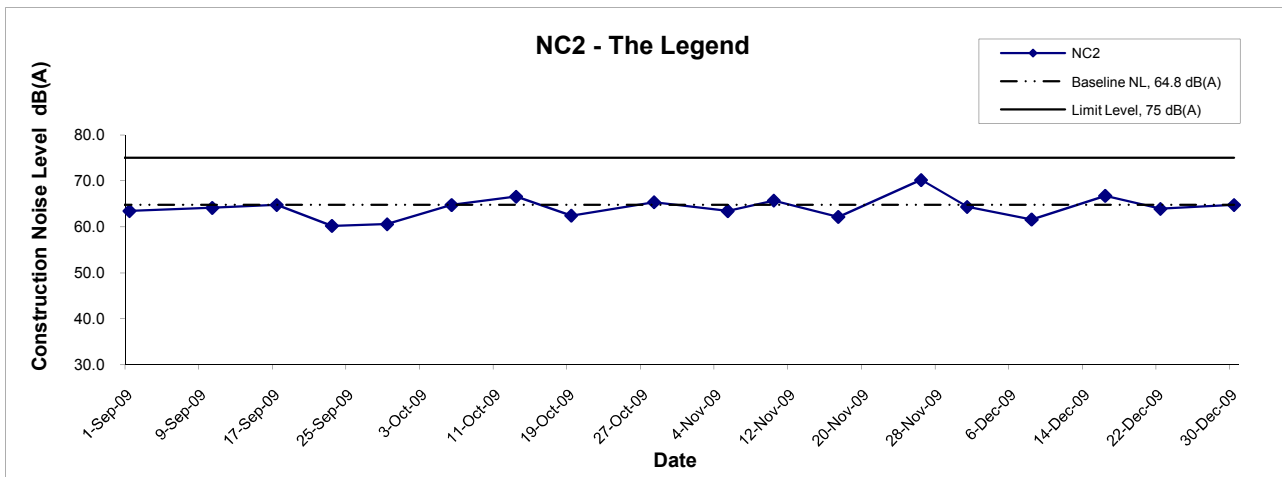
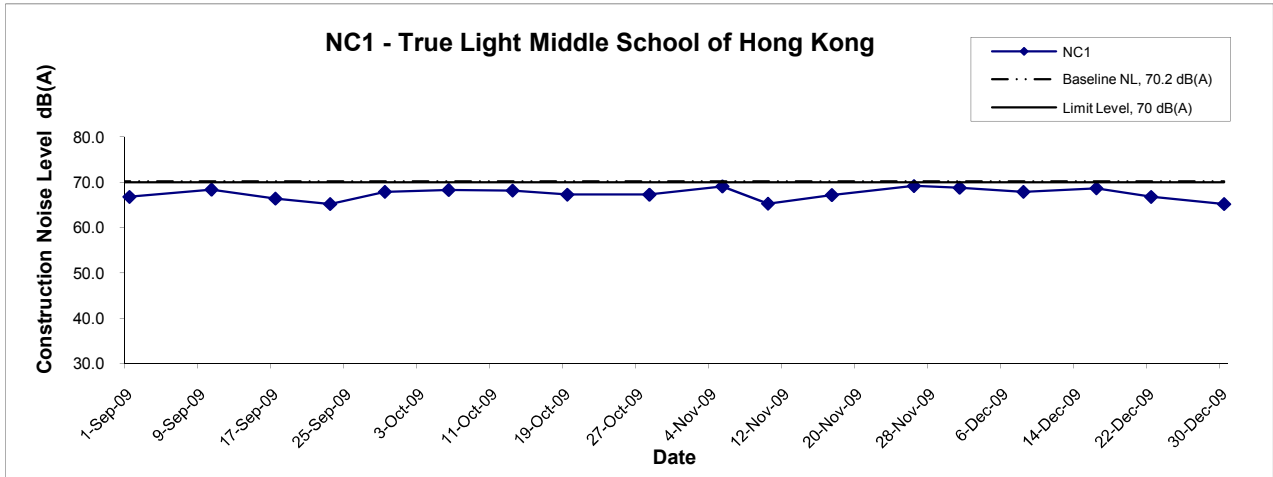
(Restricted Hours - 23:00 to 07:00 on all days)

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-Dec-09	23:00	Fine	52.4	55.0	49.0	52.3	53.9	52.3 Measured ≤ Baseline						
	23:05		52.2	55.0	49.0									
	23:10		52.2	55.0	49.5									
8-Dec-09	23:00	Fine	53.9	55.5	50.5	53.9			53.9	53.9 Measured ≤ Baseline				
	23:05		54.2	55.5	51.0									
	23:10		53.7	55.5	51.0									
16-Dec-09	23:00	Cloudy	52.8	54.5	51.0	52.7					53.9	52.7 Measured ≤ Baseline		
	23:05		52.9	54.5	51.0									
	23:10		52.3	54.0	50.5									
22-Dec-09	23:00	Fine	53.6	55.5	49.5	53.7							53.9	53.7 Measured ≤ Baseline
	23:05		53.4	55.0	49.5									
	23:10		54.0	55.5	49.5									
30-Dec-09	23:00	Cloudy	52.7	55.0	50.5	52.6	53.9	52.6 Measured ≤ Baseline						
	23:05		52.3	55.0	50.0									
	23:10		52.9	55.0	50.5									

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

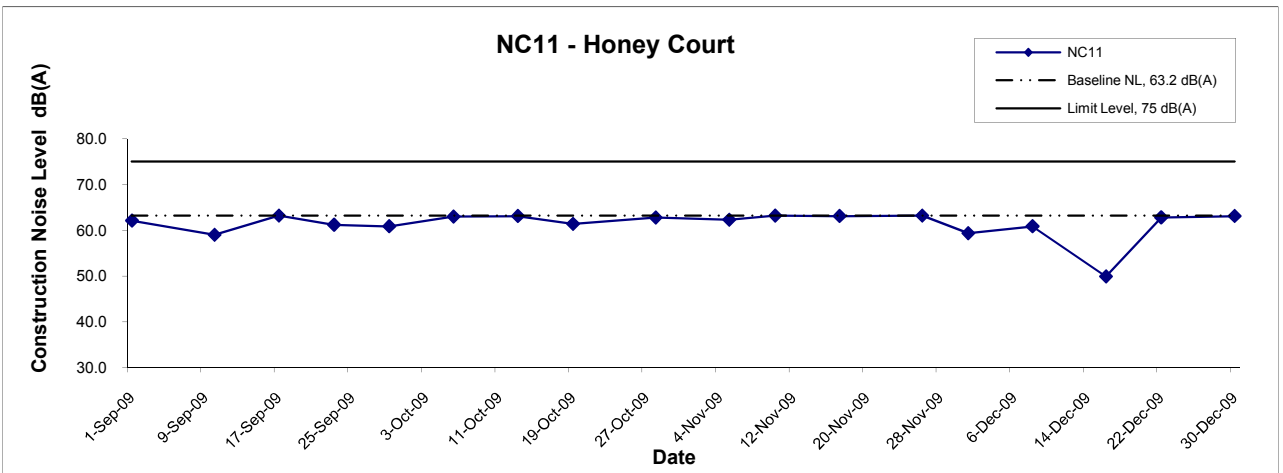
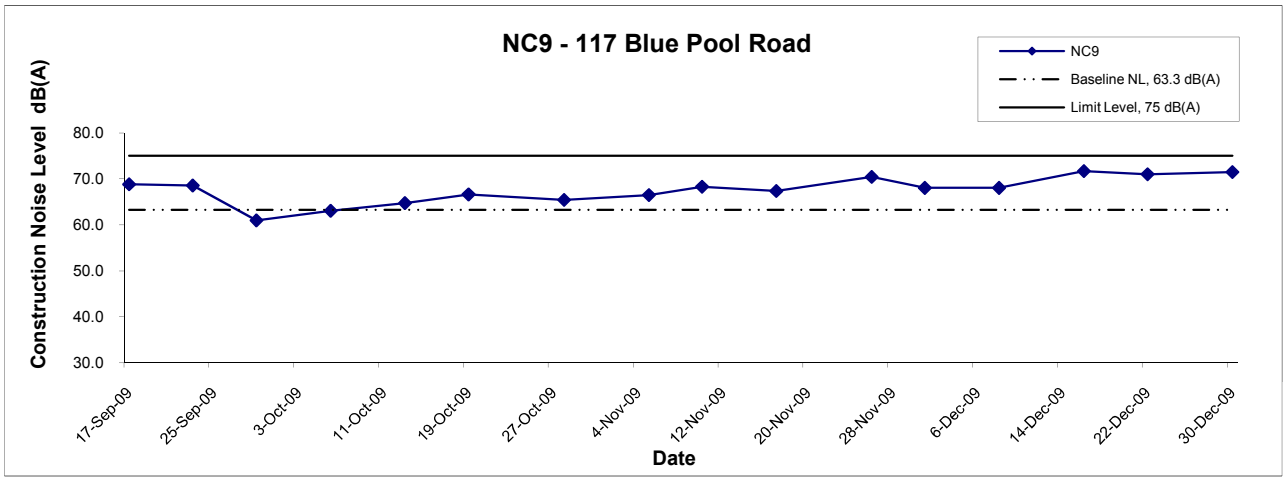
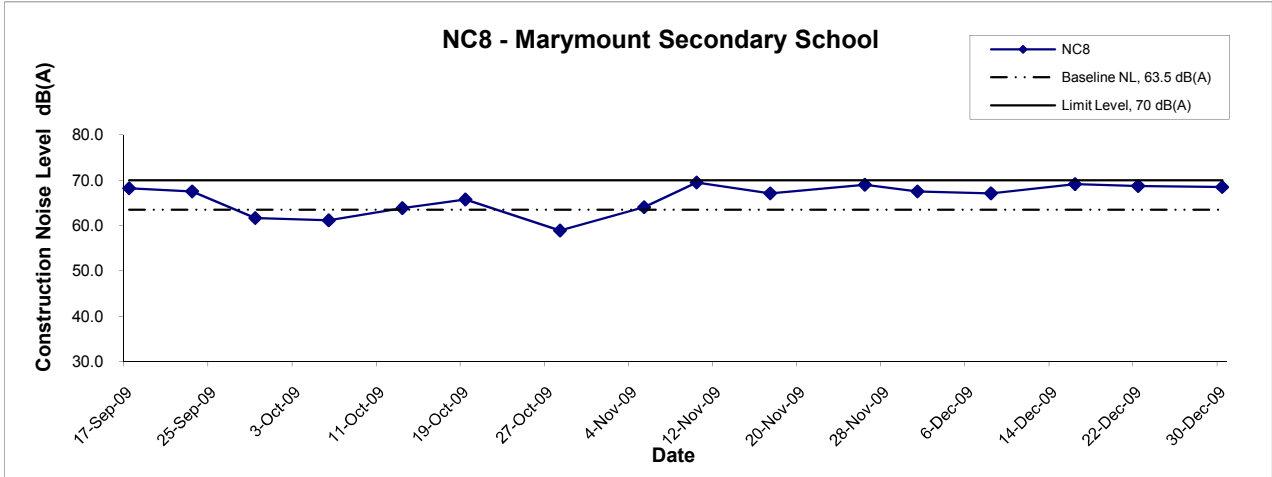
Location NC3 - Outside Aegean Terrace														
Date	Time	Weather	dB (A) (5-min)				Baseline Level	Construction Noise Level						
			L _{eq}	L ₁₀	L ₉₀	Average L _{eq}	L _{eq}	L _{eq}						
2-Dec-09	00:10	Fine	48.7	49.5	48.0	48.7	52.0	48.7 Measured ≤ Baseline						
	00:15		48.7	49.5	48.0									
	00:20		48.6	49.5	47.5									
9-Dec-09	00:30	Fine	51.2	53.0	48.5	50.8			52.0	50.8 Measured ≤ Baseline				
	00:35		50.7	53.0	48.0									
	00:40		50.6	53.0	48.0									
17-Dec-09	00:15	Cloudy	51.0	53.0	49.0	51.3					52.0	51.3 Measured ≤ Baseline		
	00:20		51.5	53.5	49.5									
	00:25		51.4	53.5	49.5									
23-Dec-09	00:25	Fine	51.6	53.5	49.0	51.5							52.0	51.5 Measured ≤ Baseline
	00:30		51.4	53.5	48.5									
	00:35		51.4	53.5	48.5									
31-Dec-09	00:20	Cloudy	51.7	53.5	48.0	51.6	52.0	51.6 Measured ≤ Baseline						
	00:25		51.4	53.0	48.0									
	00:30		51.6	53.5	48.0									

Noise Levels



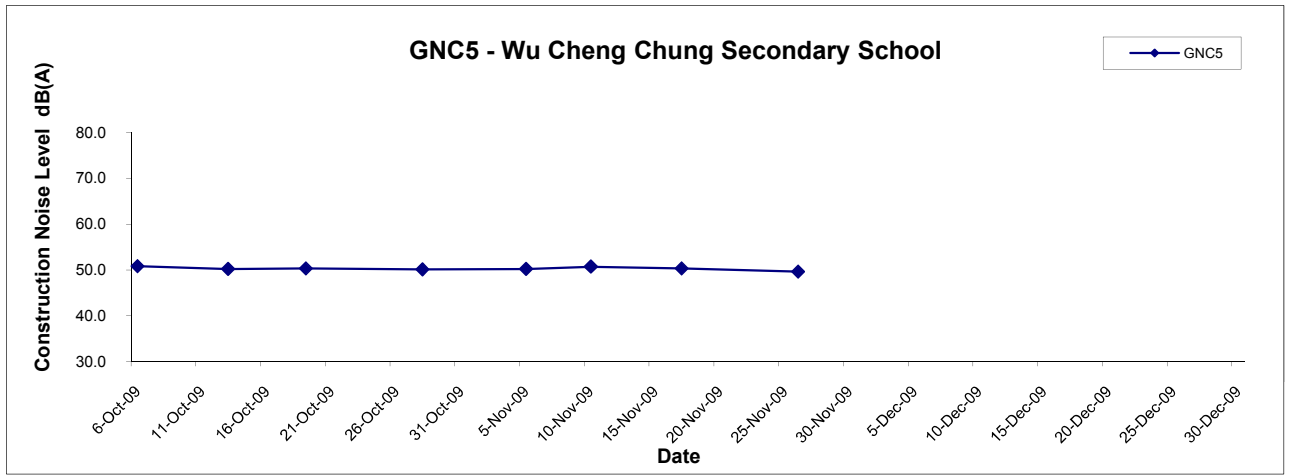
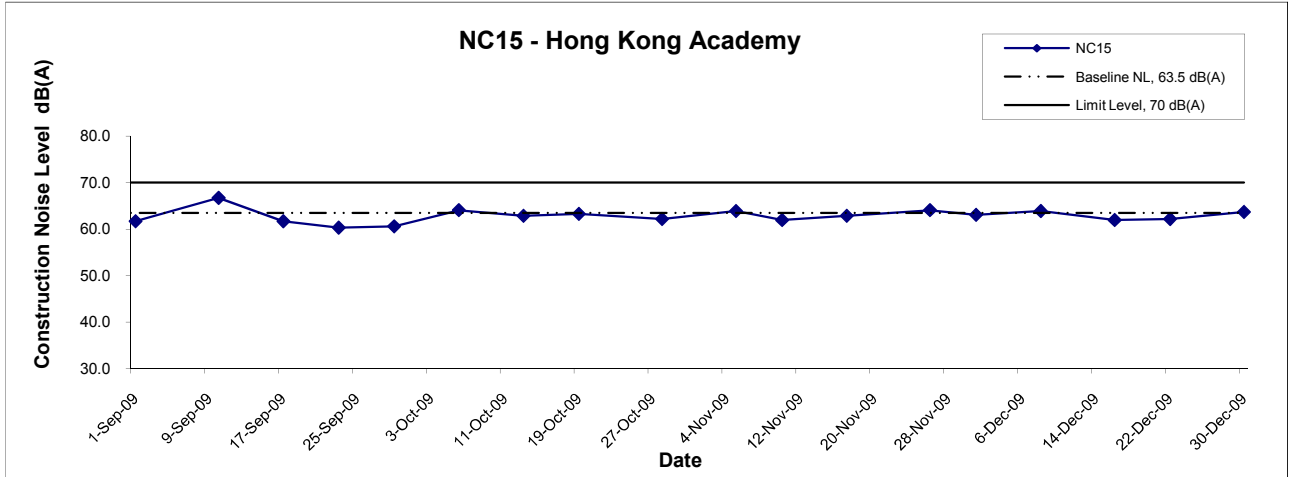
Title Contract No. DC/2007/10 Design and Construction of Hong Kong West Drainage Tunnel Graphical Presentation of Construction Noise Monitoring Results	Scale N.T.S	Project No. MA8001	CINOTECH
	Date Dec 09	Appendix G	

Noise Levels



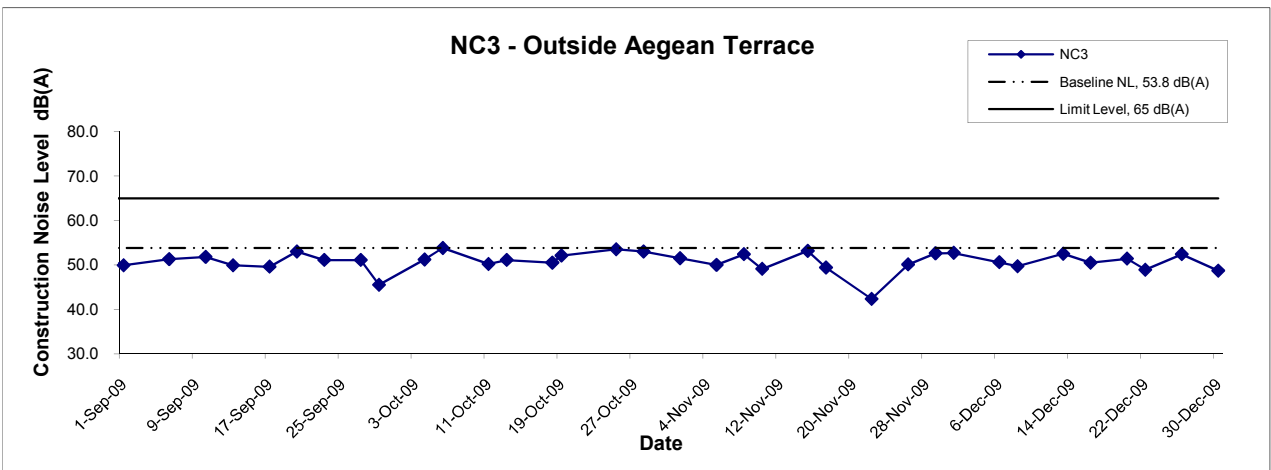
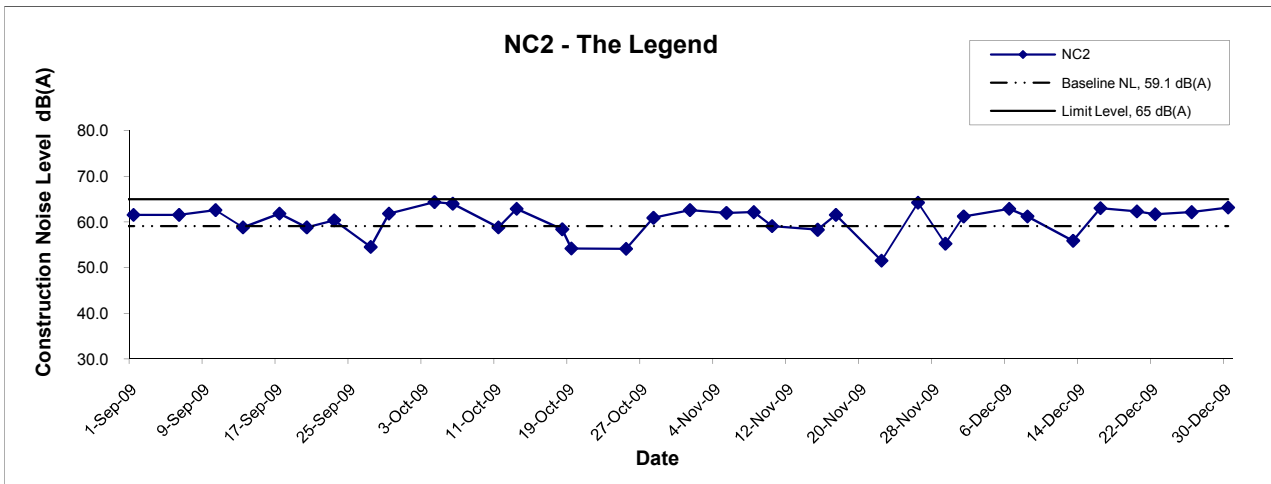
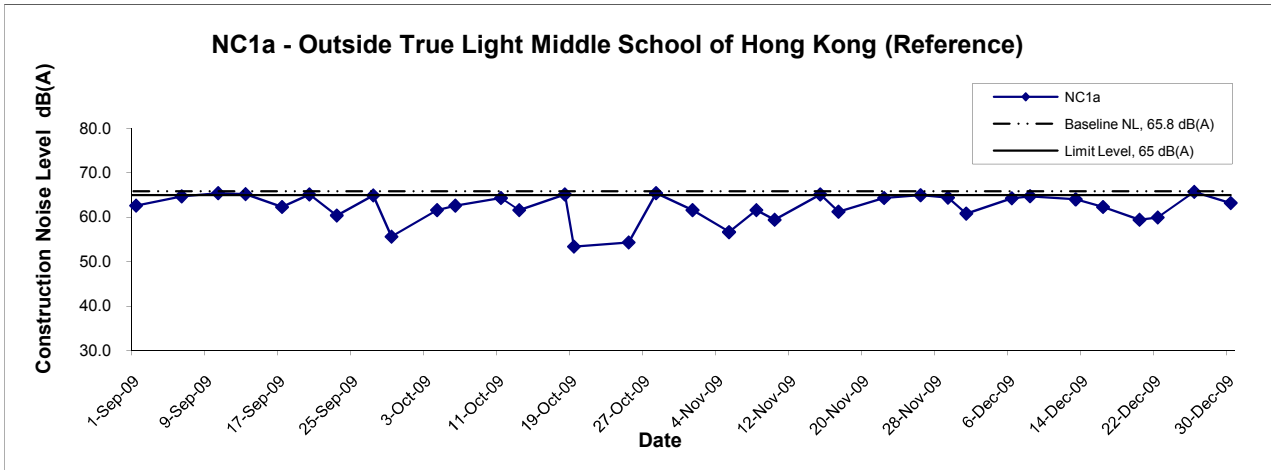
Title Contract No. DC/2007/10 Design and Construction of Hong Kong West Drainage Tunnel Graphical Presentation of Construction Noise Monitoring Results	Scale N.T.S	Project No. MA8001	
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Noise Levels



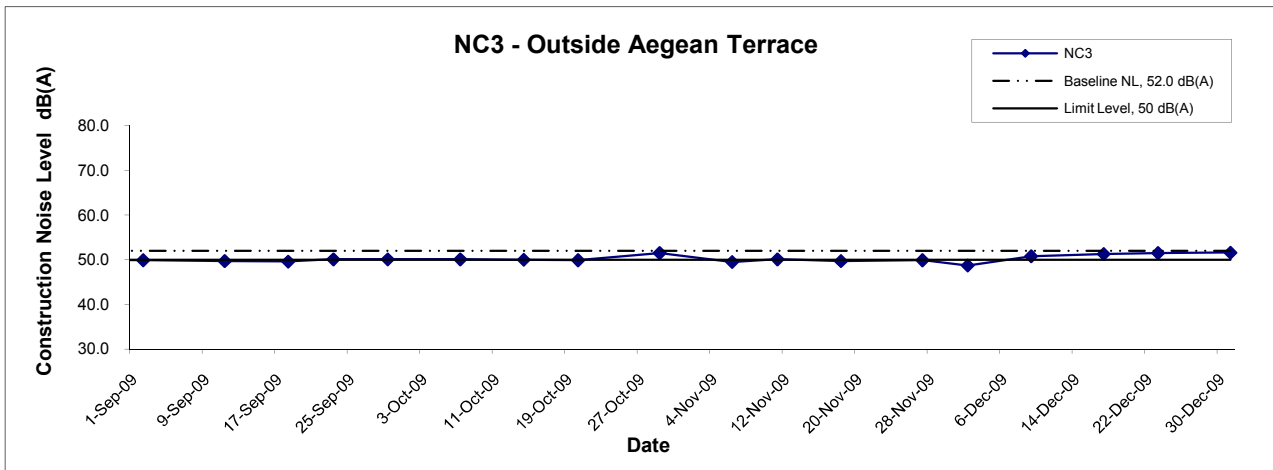
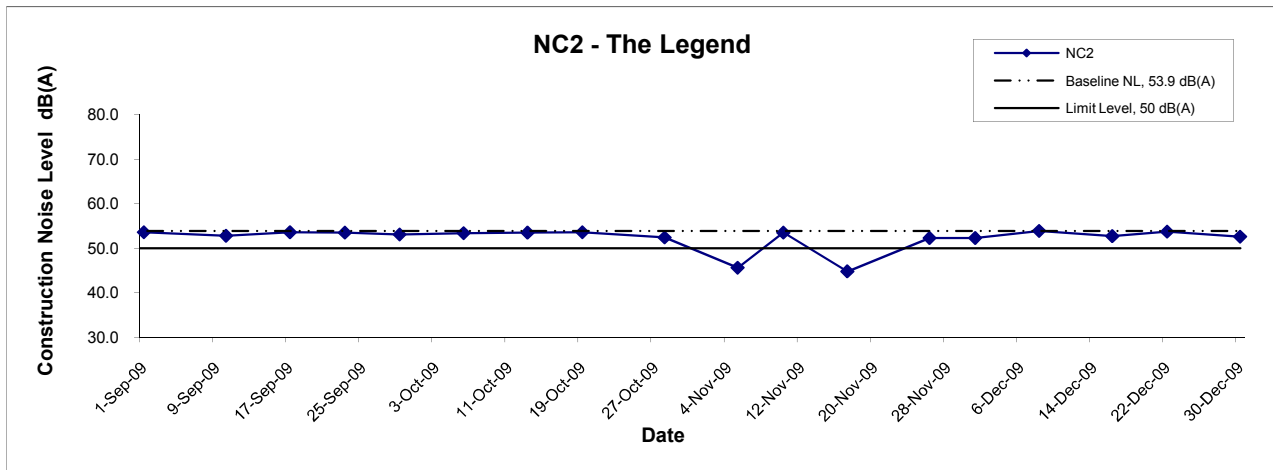
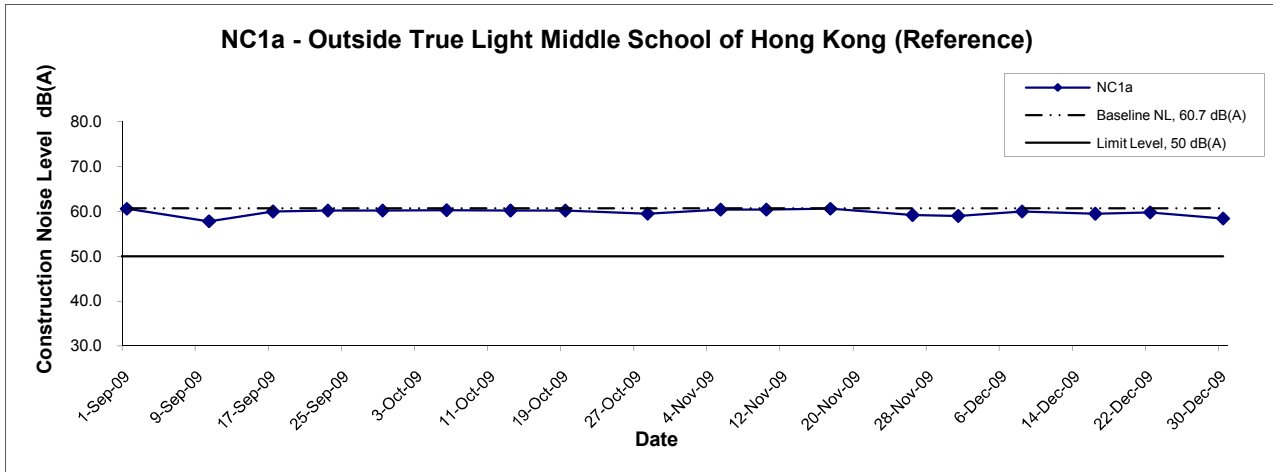
Title Contract No. DC/2007/10 Design and Construction of Hong Kong West Drainage Tunnel Graphical Presentation of Construction Noise Monitoring Results	Scale	N.T.S	Project No.	MA8001	CINOTECH
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Noise Levels
(Restricted Hours - 07:00 - 23:00 holidays & 19:00 - 23:00 on all other days)



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



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