

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}
8-Jul-10	8:00	Sunny	67.6	69.9	63.2	70.2	67.6 Measured $\leq$ Baseline
13-Jul-10	13:00	Sunny	68.4	71.2	64.2		68.4 Measured $\leq$ Baseline
20-Jul-10	13:00	Sunny	68.4	71.1	64.3		68.4 Measured $\leq$ Baseline
26-Jul-10	9:00	Sunny	67.2	69.8	64.1		67.2 Measured $\leq$ 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}
8-Jul-10	8:45	Sunny	68.9	71.5	64.5	64.8	66.8
13-Jul-10	13:45	Sunny	71.1	73.7	65.9		69.9
20-Jul-10	11:35	Sunny	70.8	73.4	65.7		69.5
26-Jul-10	9:40	Sunny	70.0	71.8	66.4		68.4

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}
8-Jul-10	13:10	Sunny	58.7	60.8	53.9	57.7	51.8
13-Jul-10	8:00	Sunny	55.3	57.5	50.7		55.3 Measured $\leq$ Baseline
20-Jul-10	8:00	Sunny	54.7	56.9	50.0		54.7 Measured $\leq$ Baseline
26-Jul-10	10:30	Sunny	56.7	60.8	53.3		56.7 Measured $\leq$ Baseline

Location NC5 - Blk D Villa Monte Rosa							
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}
8-Jul-10	16:20	Sunny	73.6	75.9	70.4	66.1	72.7
13-Jul-10	14:40	Sunny	70.7	73.5	66.0		68.9
20-Jul-10	15:20	Sunny	71.9	74.7	66.8		70.6
26-Jul-10	13:00	Sunny	70.1	74.2	67.5		67.9

Location NC6 - Rosaryhill 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}
8-Jul-10	17:00	Sunny	66.9	69.6	64.7	64.1	63.7
13-Jul-10	15:20	Sunny	67.8	70.5	63.2		65.4
20-Jul-10	16:00	Sunny	67.3	69.9	60.9		64.5
26-Jul-10	11:30	Sunny	66.4	69.3	62.1		62.5

Location NC7 - Buddhist Li Ka Shing Care & Attention Home for the Elderly							
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}
8-Jul-10	9:30	Sunny	72.1	74.8	66.3	65.1	71.1
13-Jul-10	11:00	Sunny	72.8	75.7	67.8		72.0
20-Jul-10	10:55	Sunny	73.1	76.0	66.8		72.4
26-Jul-10	11:15	Sunny	72.5	75.0	64.3		71.6

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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}
8-Jul-10	13:50	Sunny	63.7	66.2	57.9	63.5	50.2
13-Jul-10	10:55	Sunny	65.8	68.3	60.0		61.9
20-Jul-10	13:45	Sunny	65.9	68.5	60.3		62.2
26-Jul-10	13:00	Sunny	66.8	72.7	63.8		64.1

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}
8-Jul-10	14:30	Sunny	67.8	70.4	62.8	63.3	65.9
13-Jul-10	11:30	Sunny	68.1	70.8	63.2		66.4
20-Jul-10	14:20	Sunny	68.8	71.6	63.4		67.4
26-Jul-10	13:50	Sunny	73.0	74.9	68.1		72.5

Location NC10 - The Harbour View							
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}
8-Jul-10	15:35	Sunny	69.3	72.1	62.0	71.7	69.3 Measured $\leq$ Baseline
13-Jul-10	16:05	Sunny	69.8	72.5	65.8		69.8 Measured $\leq$ Baseline
20-Jul-10	16:45	Sunny	70.9	73.7	65.7		70.9 Measured $\leq$ Baseline
26-Jul-10	14:00	Sunny	68.8	72.3	66.1		68.8 Measured $\leq$ Baseline

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}
8-Jul-10	10:20	Sunny	67.8	70.4	63.0	63.2	66.0
13-Jul-10	8:45	Sunny	66.7	68.9	63.4		64.1
20-Jul-10	8:45	Sunny	65.2	67.8	60.3		60.9
26-Jul-10	14:35	Sunny	67.4	69.9	64.5		65.3

Location NC12 - Ying Wa Girl's 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}
8-Jul-10	16:50	Sunny	63.9	66.7	60.2	67.1	63.9 Measured $\leq$ Baseline
13-Jul-10	13:00	Sunny	65.1	67.8	60.2		65.1 Measured $\leq$ Baseline
20-Jul-10	13:20	Sunny	65.8	68.6	62.1		65.8 Measured $\leq$ Baseline
26-Jul-10	15:20	Sunny	66.5	70.3	62.4		66.5 Measured $\leq$ Baseline

Location NC13 - Peaksville 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}
8-Jul-10	16:05	Sunny	68.9	72.2	63.7	65.2	66.5
13-Jul-10	13:45	Sunny	67.8	70.5	62.9		64.3
20-Jul-10	14:00	Sunny	71.0	73.7	66.0		69.7
26-Jul-10	16:00	Sunny	73.0	77.2	67.1		72.2

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Location NC14 - Hong Kong Japanese 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}
8-Jul-10	13:00	Sunny	65.0	67.4	60.1	60.8	62.9
13-Jul-10	9:30	Sunny	67.1	69.5	60.8		65.9
20-Jul-10	9:30	Sunny	66.1	68.7	62.1		64.6
26-Jul-10	16:45	Sunny	63.8	68.1	58.9		60.8

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}
8-Jul-10	14:20	Sunny	65.8	70.9	62.9	63.5	61.9
13-Jul-10	16:50	Sunny	67.2	69.7	62.7		64.8
20-Jul-10	17:35	Sunny	63.8	70.3	62.9		52.0
26-Jul-10	17:30	Sunny	66.8	73.3	64.3		64.1

Location NC16 - Raimondi College							
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}
8-Jul-10	15:25	Sunny	62.9	65.2	58.6	70.4	62.9 Measured ≤ Baseline
13-Jul-10	14:30	Sunny	62.7	64.9	58.7		62.7 Measured ≤ Baseline
20-Jul-10	14:45	Sunny	62.8	65.2	58.7		62.8 Measured ≤ Baseline
26-Jul-10	9:00	Sunny	66.0	68.5	61.7		66.0 Measured ≤ Baseline

Location NC17 - Hong Kong Institute of Technology							
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}
8-Jul-10	11:05	Sunny	68.0	70.5	62.7	66.0	63.7
13-Jul-10	16:10	Sunny	66.7	69.4	62.7		58.4
20-Jul-10	16:30	Sunny	67.8	70.5	63.5		63.1
26-Jul-10	15:10	Sunny	67.4	69.7	63.0		61.8

Location NC18 - Blk A, 80 Robinson 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}
8-Jul-10	10:20	Sunny	72.0	74.4	67.2	64.8	71.1
13-Jul-10	15:25	Sunny	72.1	75.0	68.0		71.2
20-Jul-10	15:45	Sunny	72.3	75.0	67.2		71.4
26-Jul-10	16:30	Sunny	71.5	74.8	67.7		70.5

Location NC19 - Villa Veneto							
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}
8-Jul-10	11:05	Sunny	65.9	68.6	60.8	68.6	65.9 Measured ≤ Baseline
13-Jul-10	10:10	Sunny	66.8	69.5	60.1		66.8 Measured ≤ Baseline
20-Jul-10	10:10	Sunny	67.0	69.5	62.9		67.0 Measured ≤ Baseline
26-Jul-10	10:15	Sunny	67.4	69.6	62.2		67.4 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}	
4-Jul-10	9:30	Sunny	67.8	69.0	63.5	67.6	65.8	62.9
	9:35		67.2	68.5	64.0			
	9:40		67.7	69.0	64.0			
8-Jul-10	19:30	Cloudy	66.8	68.9	62.1	66.7		59.4
	19:35		66.6	68.7	62.0			
	19:40		66.7	68.8	62.1			
11-Jul-10	9:15	Sunny	67.2	69.0	63.5	67.5		62.6
	9:20		67.6	69.5	64.0			
	9:25		67.8	69.5	64.0			
13-Jul-10	19:00	Cloudy	66.7	69.5	62.8	66.6		58.9
	19:05		66.4	69.2	62.6			
	19:10		66.6	69.4	62.7			
18-Jul-10	9:20	Cloudy	67.8	69.5	63.5	67.5		62.6
	9:35		67.7	69.5	63.0			
	9:40		67.0	69.0	63.0			
20-Jul-10	19:00	Cloudy	66.8	69.5	62.3	66.7		59.4
	19:05		66.5	69.2	62.0			
	19:10		66.7	69.4	62.4			
25-Jul-10	9:15	Cloudy	67.3	69.5	63.5	67.5		62.6
	9:20		67.6	69.5	63.5			
	9:25		67.7	69.5	63.5			
26-Jul-10	19:00	Cloudy	64.7	67.0	61.0	64.8		64.8 Measured ≤ Baseline
	19:05		64.5	67.0	61.0			
	19:10		65.3	67.5	61.5			

(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)				Baseline Level	Construction Noise Level
			L _{eq}	L ₁₀	L ₉₀	Average L _{eq}	L _{eq}	L _{eq}
4-Jul-10	9:05	Sunny	65.2	67.0	63.0	65.4	59.1	64.2
	9:10		65.5	67.0	63.5			
	9:15		65.6	67.0	63.0			
8-Jul-10	19:30	Cloudy	64.6	66.9	60.8	64.4		62.9
	19:35		64.3	66.6	60.5			
	19:40		64.4	66.7	60.5			
11-Jul-10	9:45	Sunny	65.2	67.0	62.5	65.1		63.8
	9:50		64.8	66.5	63.0			
	9:55		65.2	67.0	63.0			
13-Jul-10	19:35	Cloudy	64.7	67.3	60.3	64.7		63.3
	19:40		64.6	67.2	60.2			
	19:45		64.7	67.3	60.2			
18-Jul-10	9:50	Cloudy	64.8	66.0	62.5	64.3		62.7
	9:55		63.7	65.5	63.0			
	10:00		64.4	65.5	63.0			
20-Jul-10	19:35	Cloudy	65.2	67.8	61.3	65.2		64.0
	19:40		65.0	67.6	61.1			
	19:45		65.3	67.8	61.4			
25-Jul-10	9:45	Cloudy	64.5	66.5	63.0	64.7		63.3
	9:50		64.8	66.5	63.0			
	9:55		64.8	67.0	63.0			
26-Jul-10	19:35	Cloudy	63.7	65.0	60.5	63.9		62.2
	19:40		63.9	65.5	60.5			
	19:45		64.0	65.0	60.5			

(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)				Baseline Level	Construction Noise Level
			L _{eq}	L ₁₀	L ₉₀	Average L _{eq}	L _{eq}	L _{eq}
4-Jul-10	10:45	Sunny	54.8	56.0	50.0	54.5	53.8	46.2
	10:50		54.4	56.5	50.0			
	10:55		54.3	56.5	50.0			
8-Jun-10	20:30	Cloudy	54.2	56.1	49.9	54.4		45.5
	20:35		54.5	56.4	50.3			
	20:40		54.5	56.3	50.3			
11-Jul-10	10:50	Sunny	53.7	55.5	50.0	53.9		37.5
	10:55		54.1	56.0	50.0			
	11:00		54.0	56.0	50.5			
13-Jul-10	20:30	Cloudy	53.7	56.1	49.0	53.8		53.8 Measured ≤ Baseline
	20:35		53.8	56.2	49.0			
	20:40		53.9	56.3	49.1			
18-Jul-10	10:55	Cloudy	52.5	54.5	50.0	52.6		52.6 Measured ≤ Baseline
	11:00		52.8	55.0	50.5			
	11:05		52.4	55.0	50.0			
20-Jul-10	20:30	Cloudy	52.7	54.9	49.9	52.6		52.6 Measured ≤ Baseline
	20:35		52.5	54.7	49.6			
	20:40		52.6	54.8	49.7			
25-Jul-10	10:45	Cloudy	53.2	55.5	50.5	53.4		53.4 Measured ≤ Baseline
	10:50		53.5	55.5	50.0			
	10:55		53.4	55.0	50.0			
26-Jul-10	20:30	Cloudy	52.9	55.0	51.5	52.9		52.9 Measured ≤ Baseline
	20:35		52.7	55.0	51.5			
	20:40		52.0	54.0	51.0			

Appendix G - Noise Monitoring Results

(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-10	23:25	Cloudy	58.8	63.0	54.5	58.8	60.7	58.8 Measured ≤ Baseline
	23:30		58.4	62.5	55.0			
	23:35		59.1	63.0	54.5			
13-Jul-10	23:25	Cloudy	58.2	63.0	55.0	58.2		58.2 Measured ≤ Baseline
	23:30		57.9	62.5	54.5			
	23:35		58.5	63.0	55.0			
20-Jul-10	23:25	Cloudy	57.8	63.0	55.0	58.2		58.2 Measured ≤ Baseline
	23:30		58.4	62.5	54.5			
	23:35		58.4	62.5	54.5			
26-Jul-10	23:30	Cloudy	58.8	63.0	55.0	58.7		58.7 Measured ≤ Baseline
	23:35		58.5	62.5	54.5			
	23:40		58.7	62.5	55.0			

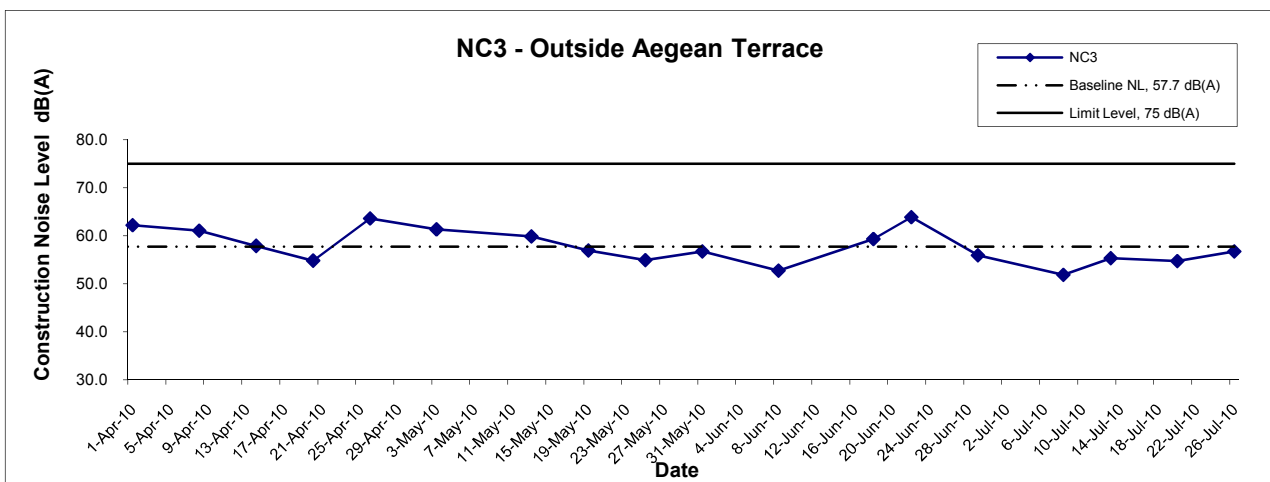
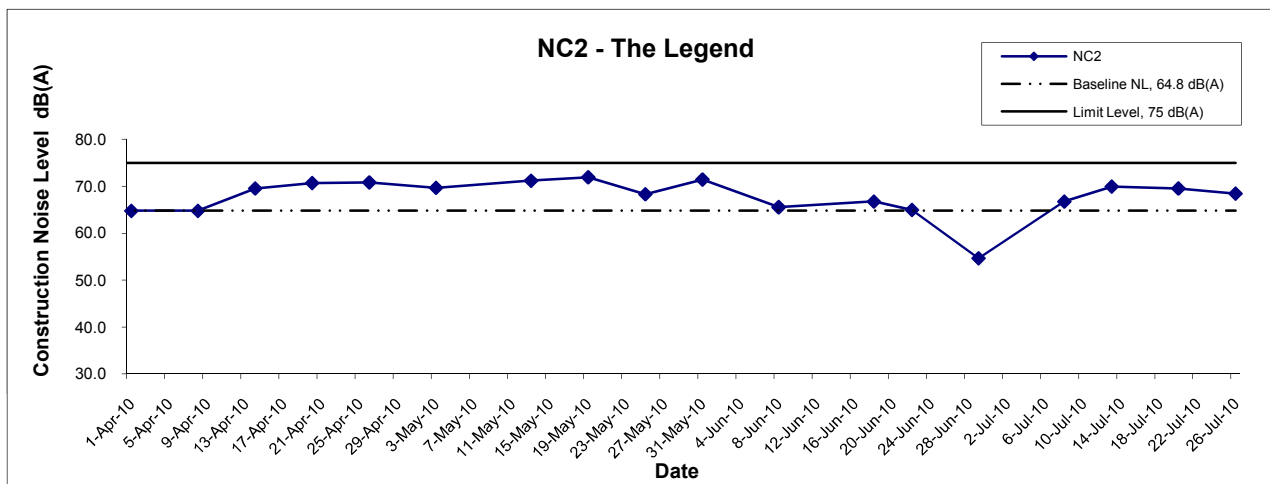
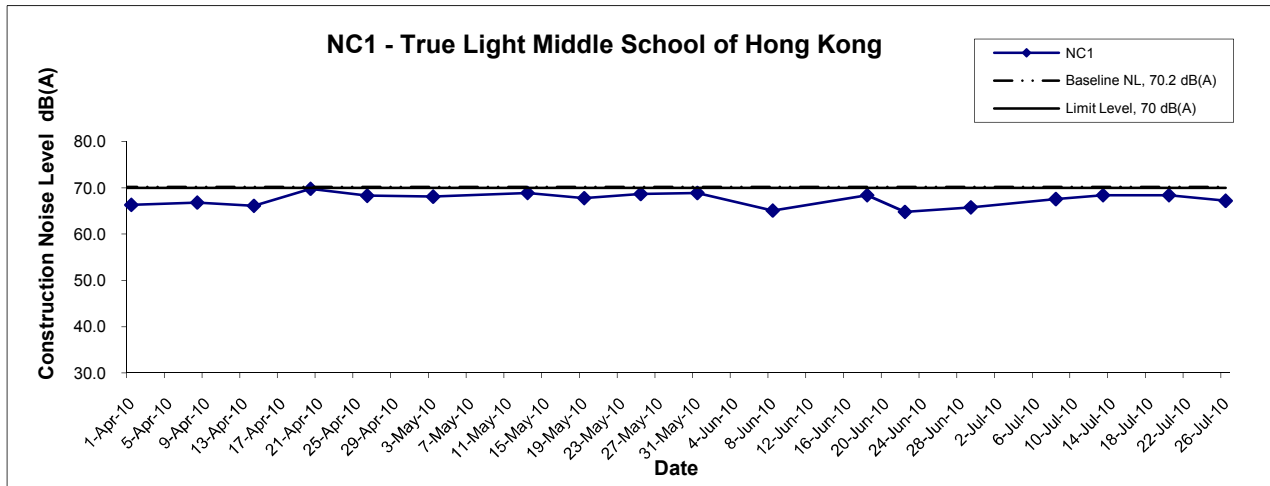
(Restricted Hours - 23:00 to 07:00 on all days)

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}
8-Jul-10	23:00	Cloudy	52.8	54.0	50.0	52.7	53.9	52.7 Measured ≤ Baseline
	23:05		52.6	54.0	50.5			
	23:10		52.6	54.5	50.0			
13-Jul-10	23:00	Cloudy	52.8	54.5	50.0	52.7		52.7 Measured ≤ Baseline
	23:05		52.7	54.0	50.0			
	23:10		52.7	54.0	50.0			
20-Jul-10	23:00	Cloudy	52.7	54.0	50.0	52.6		52.6 Measured ≤ Baseline
	23:05		52.5	54.0	50.5			
	23:10		52.7	54.0	50.0			
26-Jul-10	23:00	Cloudy	52.5	54.0	50.0	52.6		52.6 Measured ≤ Baseline
	23:05		52.8	54.0	50.0			
	23:10		52.6	54.0	50.0			

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

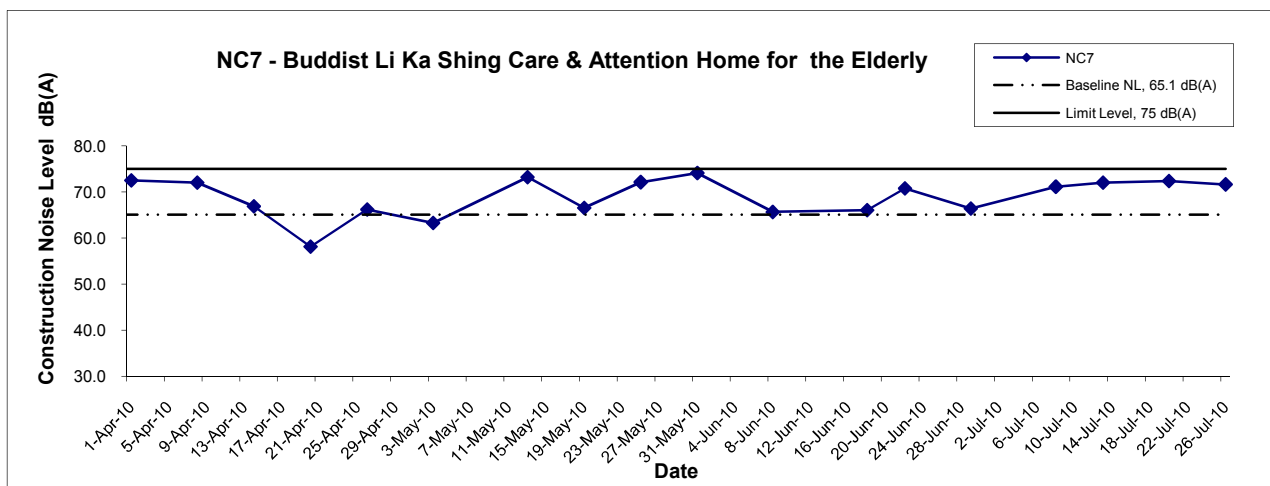
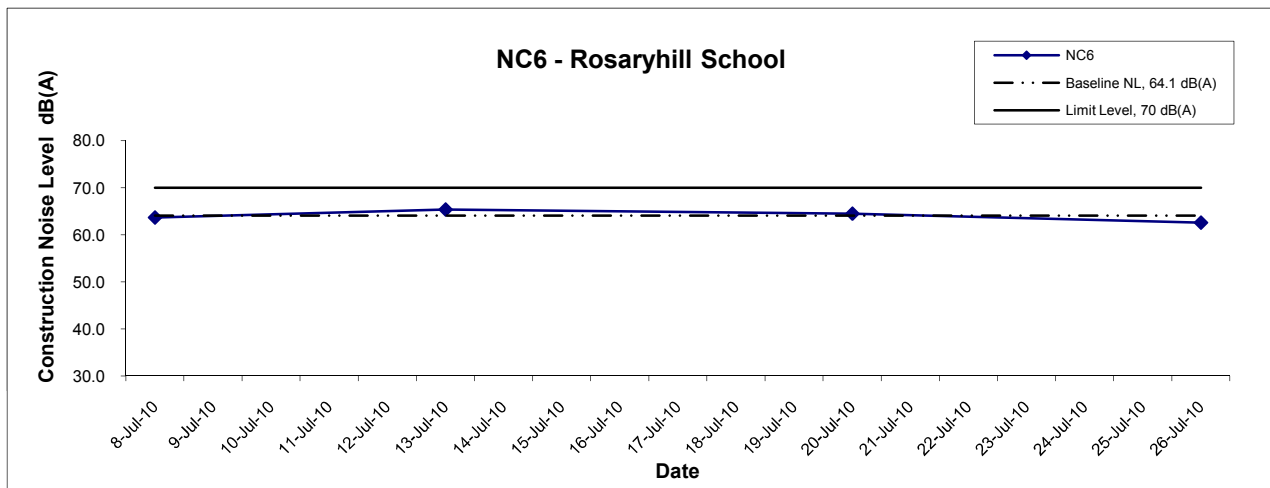
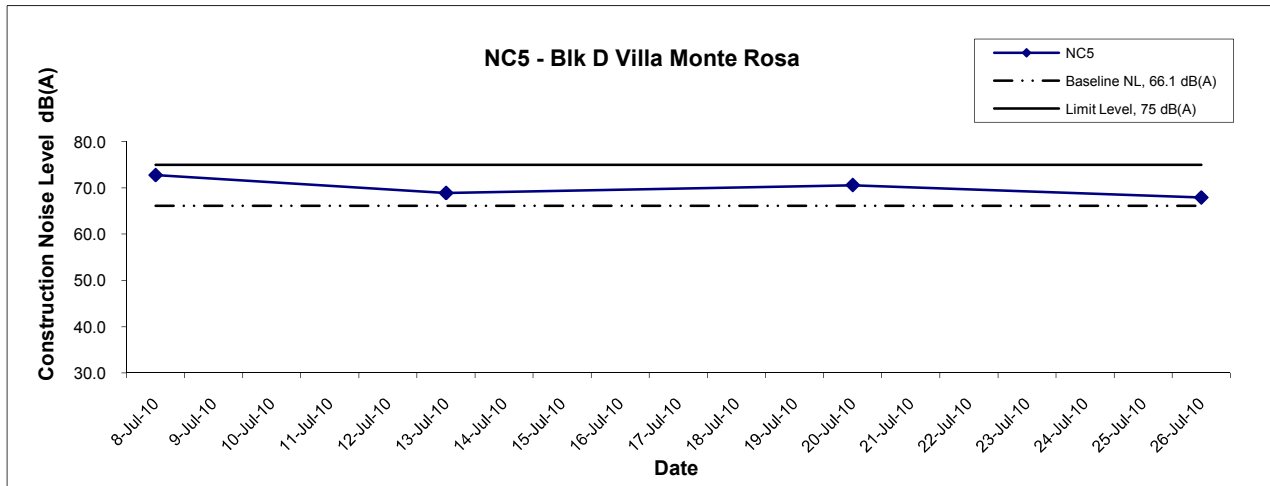
Location NC3 - Outside Aegean Terrace								
Date	Time	Weather	dB (A) (5-min)				Baseline Level	Construction Noise Level
			L _{eq}	L ₁₀	L ₉₀	Average L _{eq}	L _{eq}	L _{eq}
9-Jul-10	00:25	Cloudy	49.1	50.5	48.0	49.2	52.0	49.2 Measured ≤ Baseline
	00:30		49.3	50.0	48.0			
	00:35		49.2	50.5	48.0			
13-Jul-10	00:35	Cloudy	49.3	50.5	48.0	49.0		49.2 Measured ≤ Baseline
	00:40		49.2	50.0	48.0			
	00:45		49.0	50.5	48.0			
21-Jul-10	00:30	Cloudy	49.8	50.5	48.0	49.7		49.7 Measured ≤ Baseline
	00:35		49.7	50.0	48.0			
	00:40		49.7	50.5	48.0			
27-Jul-10	00:35	Cloudy	49.5	50.5	48.5	49.3		49.3 Measured ≤ Baseline
	00:40		49.2	50.0	48.0			
	00:45		49.3	50.5	48.0			

Noise Levels



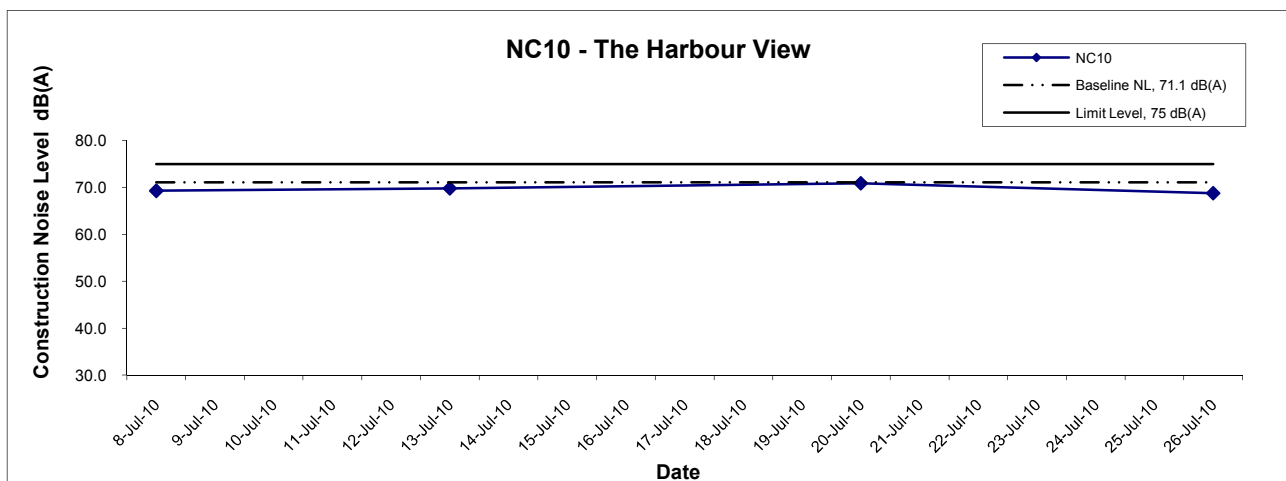
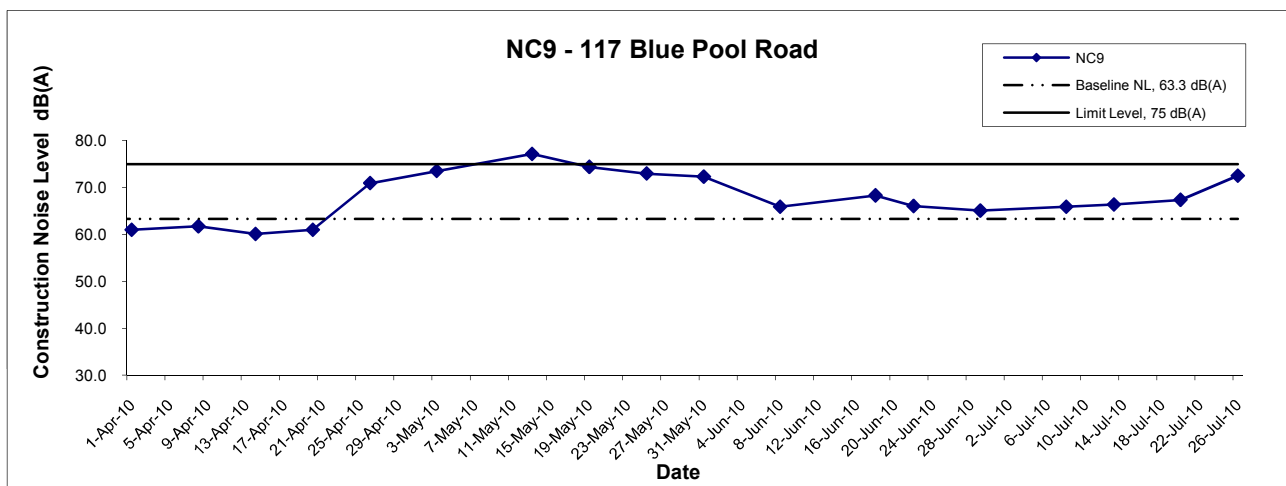
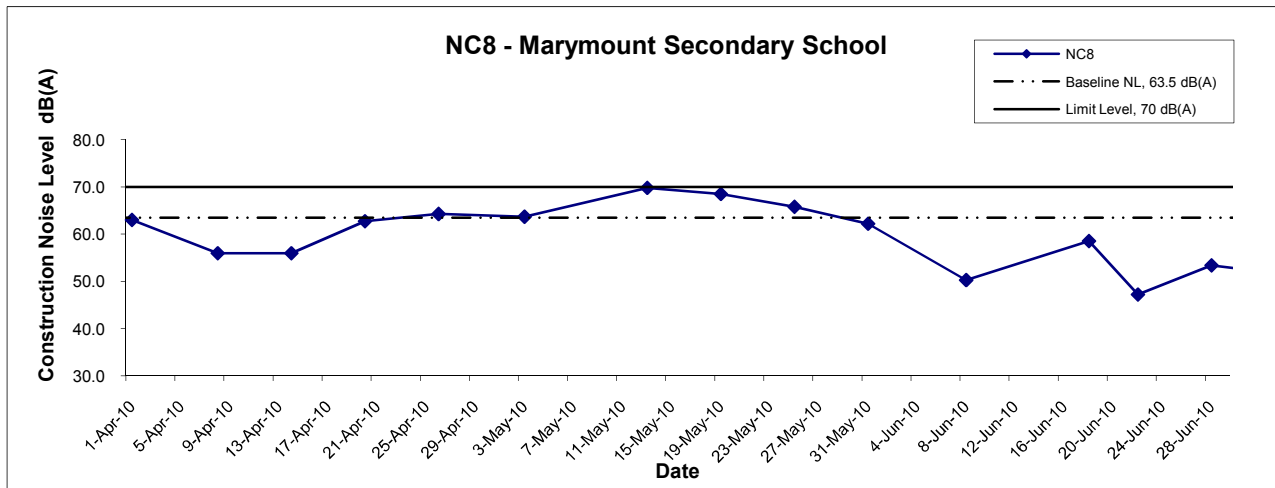
Title Contract No. DC/2007/10 Design and Construction of Hong Kong West Drainage Tunnel Graphical Presentation of Construction Noise Monitoring Results	Scale N.T.S	Project No. MA8001	
	Date Jul 10	Appendix G	

Noise Levels



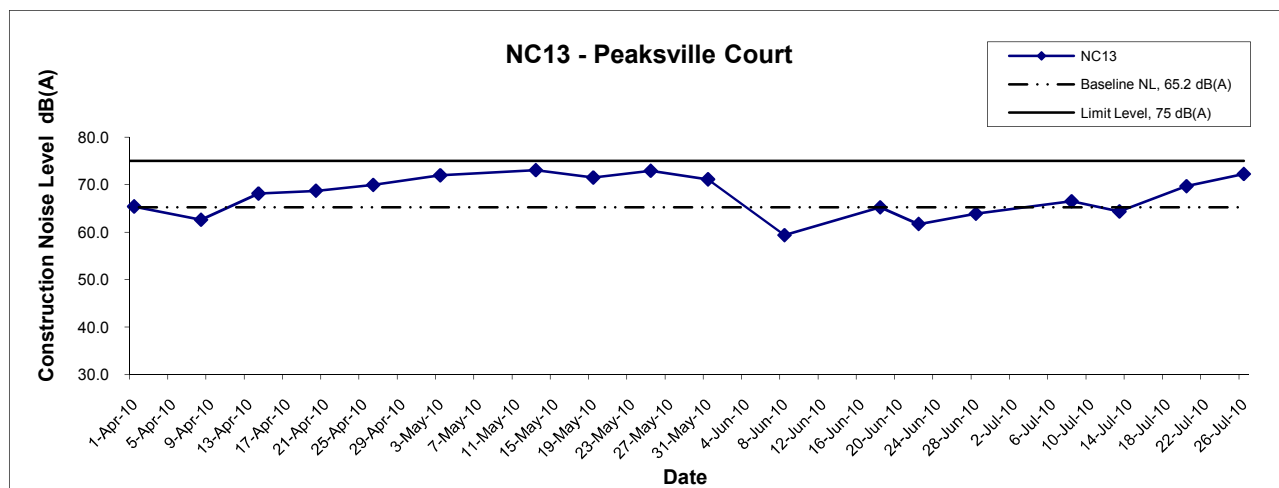
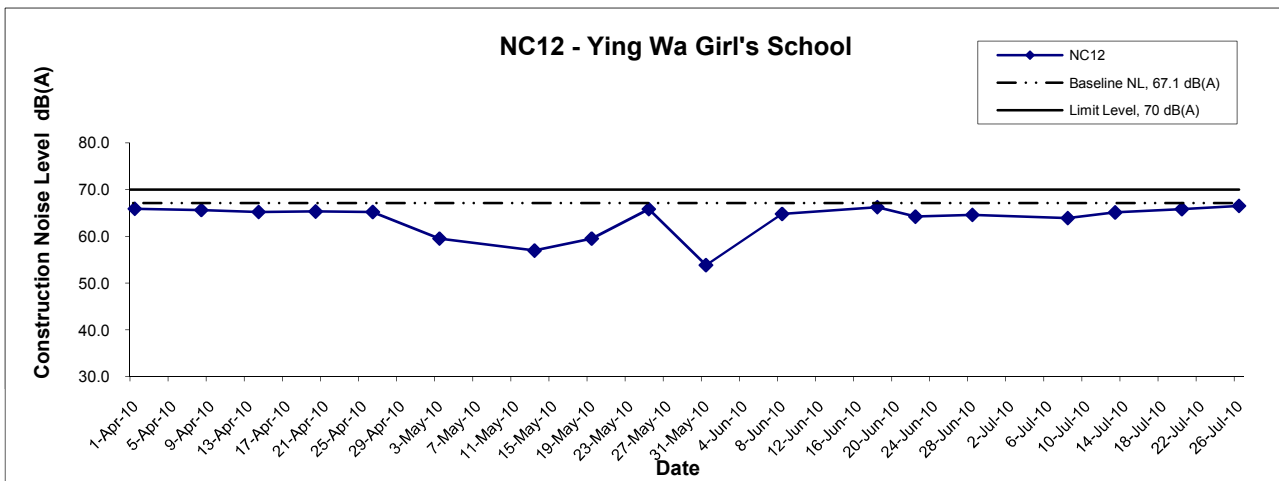
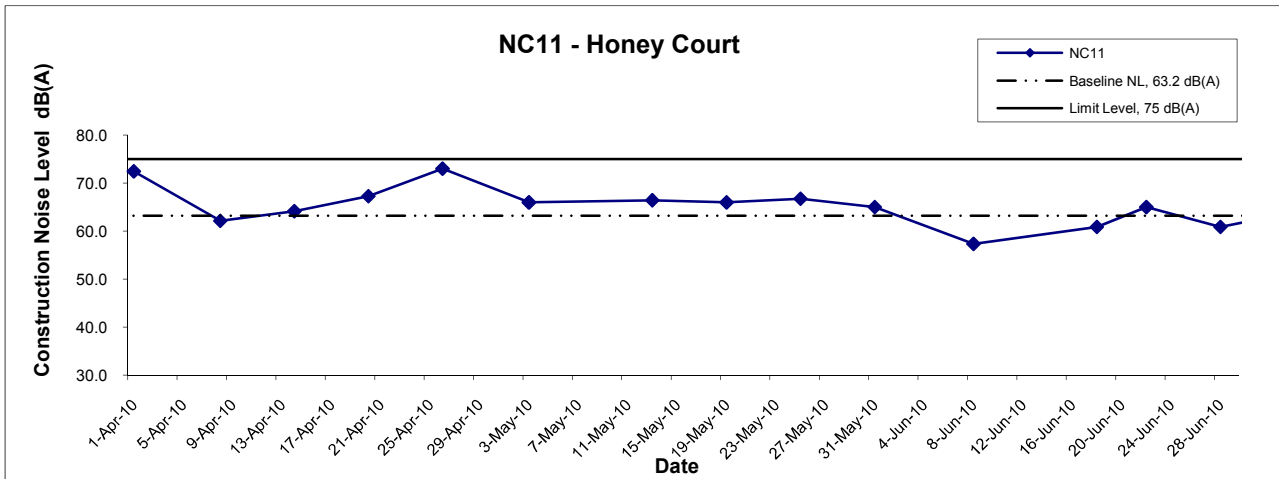
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	Date Jul 10	Appendix G	

Noise Levels



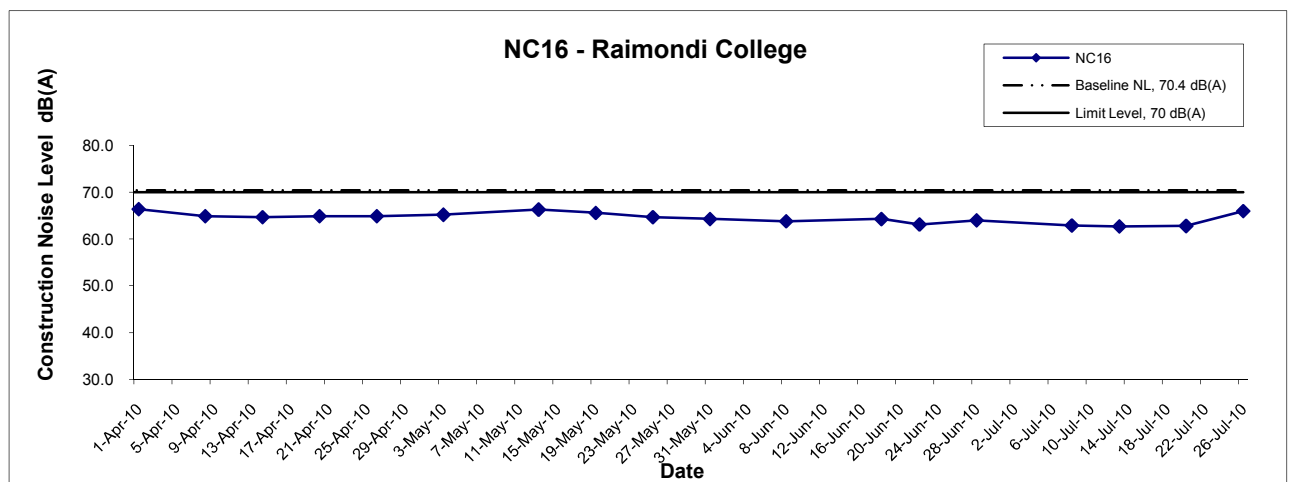
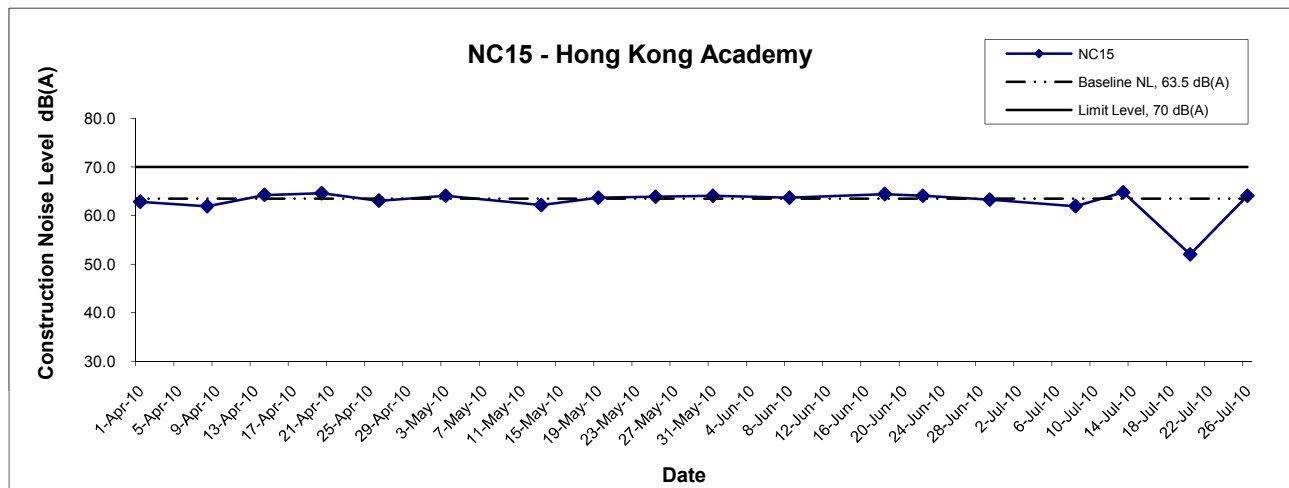
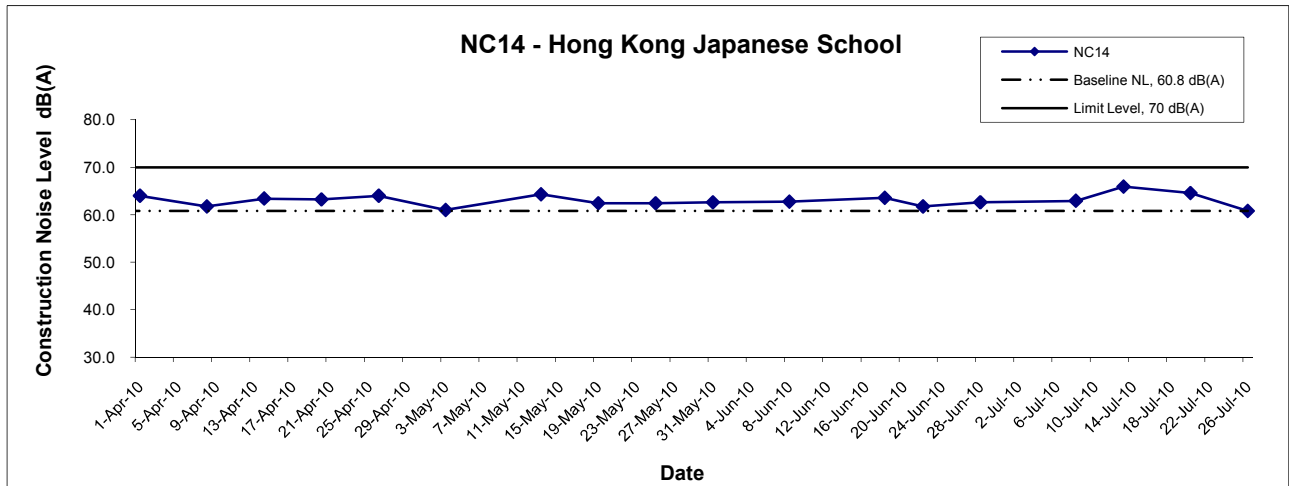
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	Date Jul 10	Appendix G	

Noise Levels



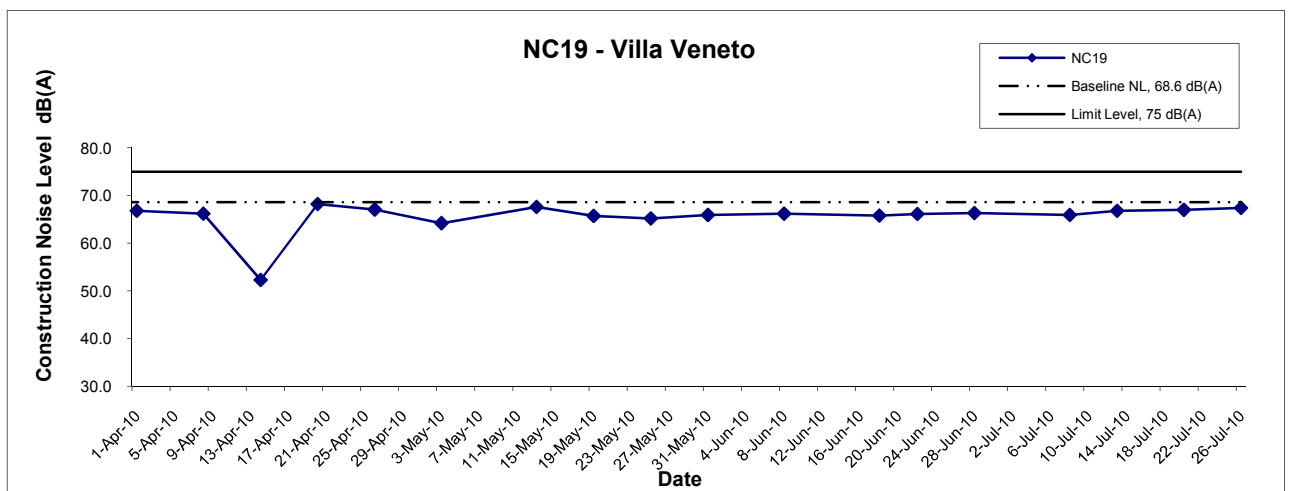
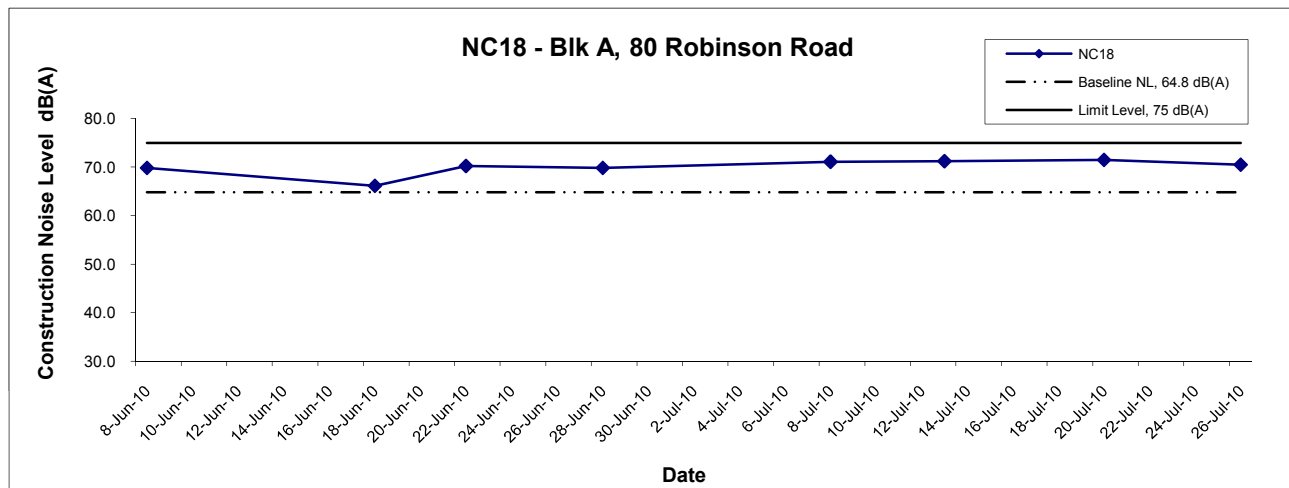
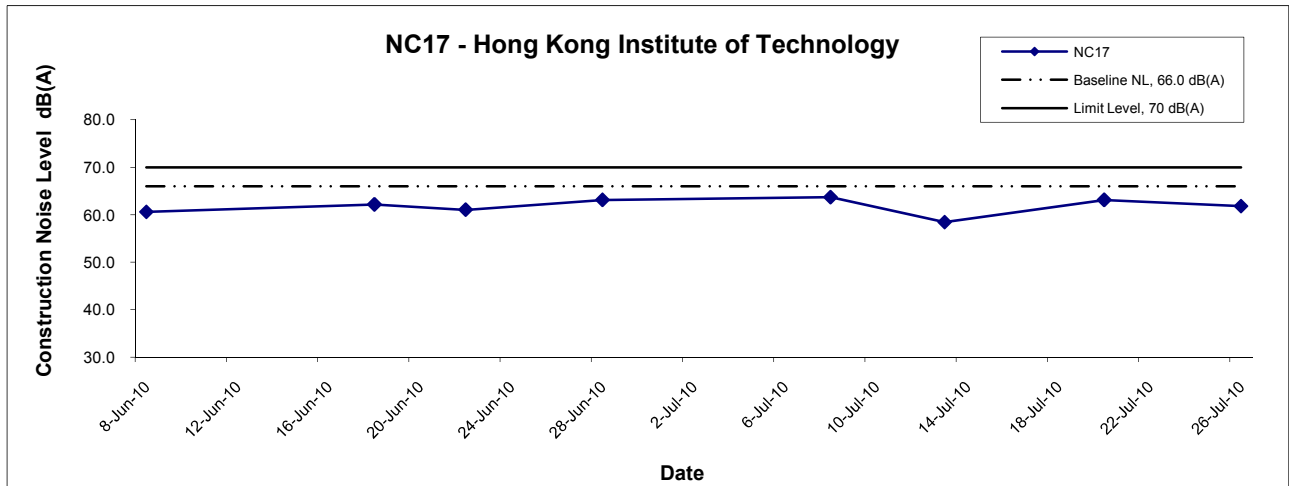
Title Contract No. DC/2007/10 Design and Construction of Hong Kong West Drainage Tunnel Graphical Presentation of Construction Noise Monitoring Results	Scale N.T.S	Project No. MA8001	
	Date Jul 10	Appendix G	

Noise Levels



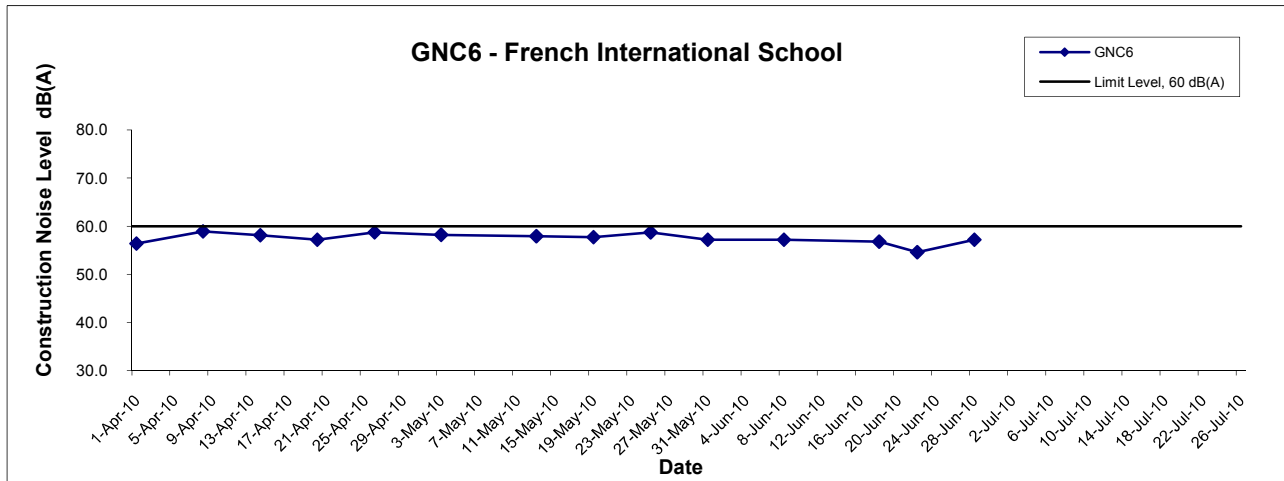
Title Contract No. DC/2007/10 Design and Construction of Hong Kong West Drainage Tunnel Graphical Presentation of Construction Noise Monitoring Results	Scale N.T.S	Project No. MA8001	
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Noise Levels



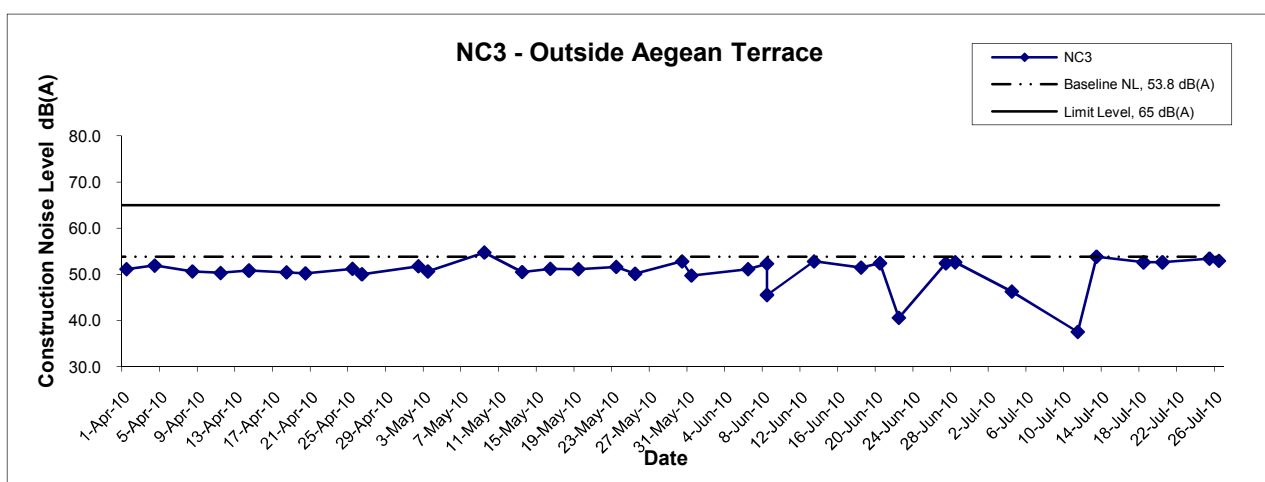
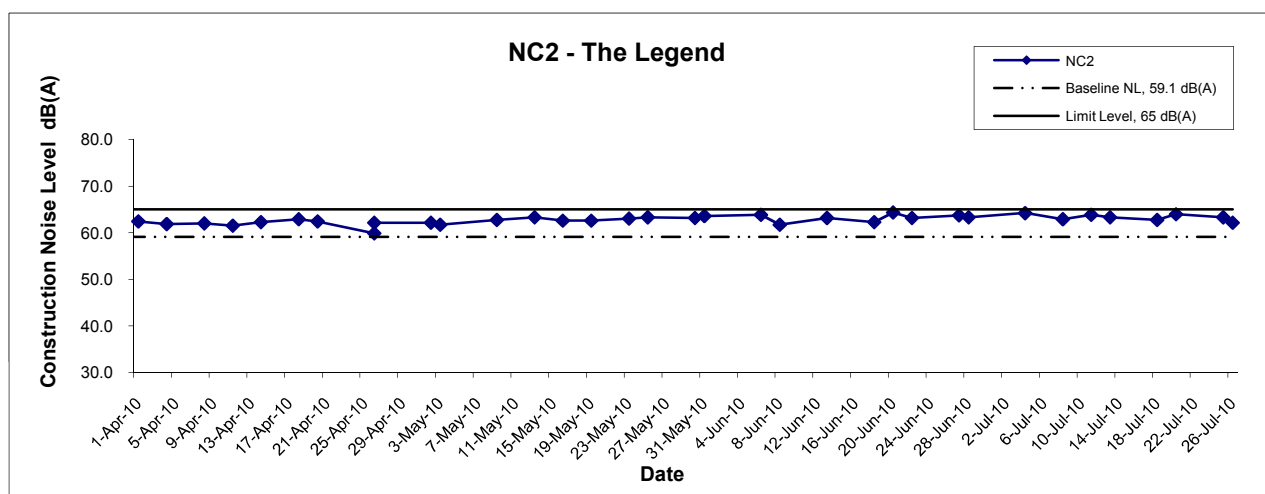
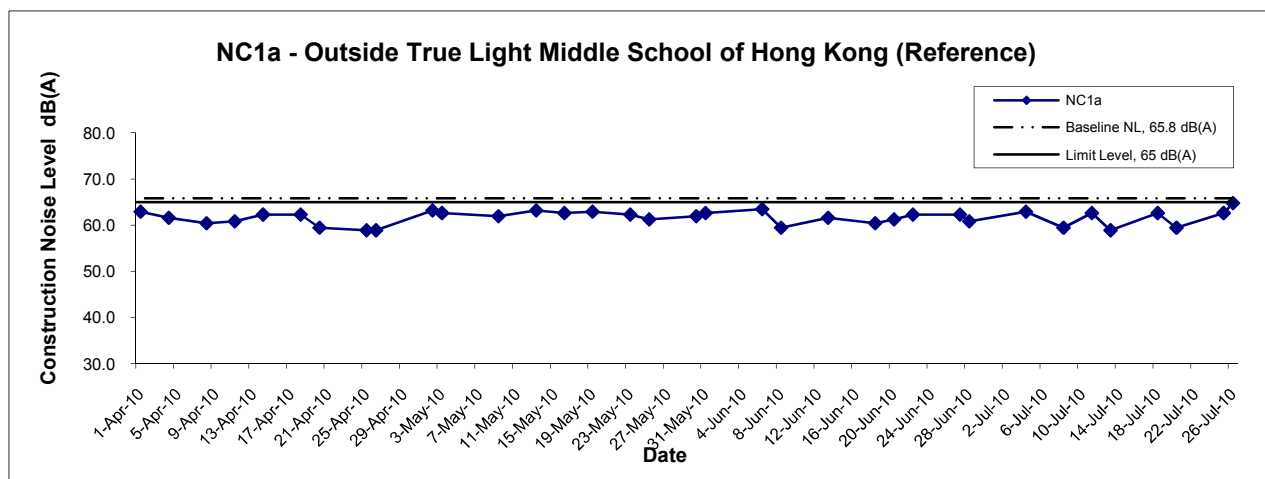
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	Date Jul 10	Appendix G	

Noise Levels



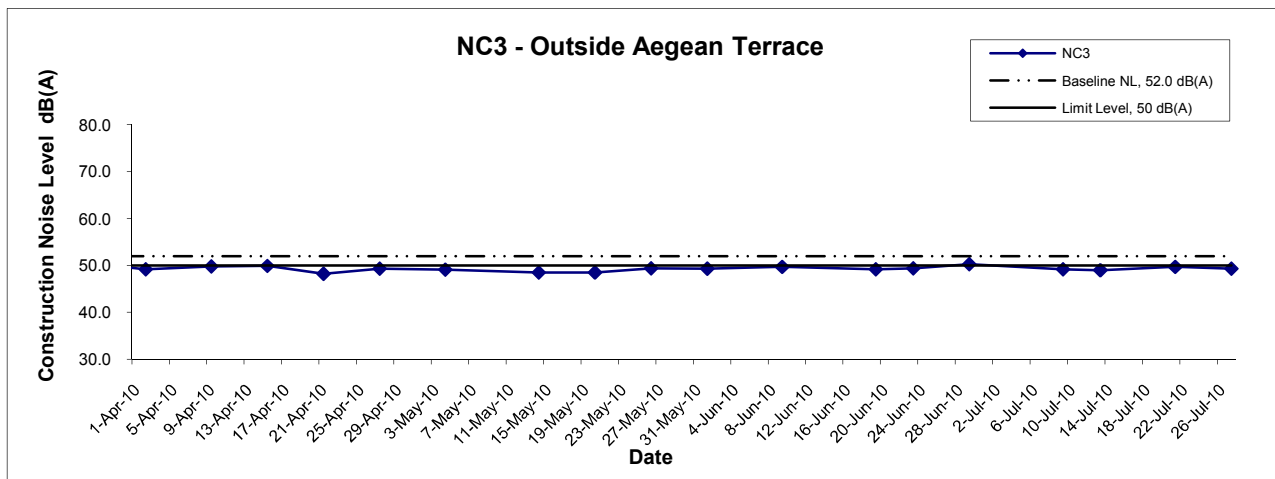
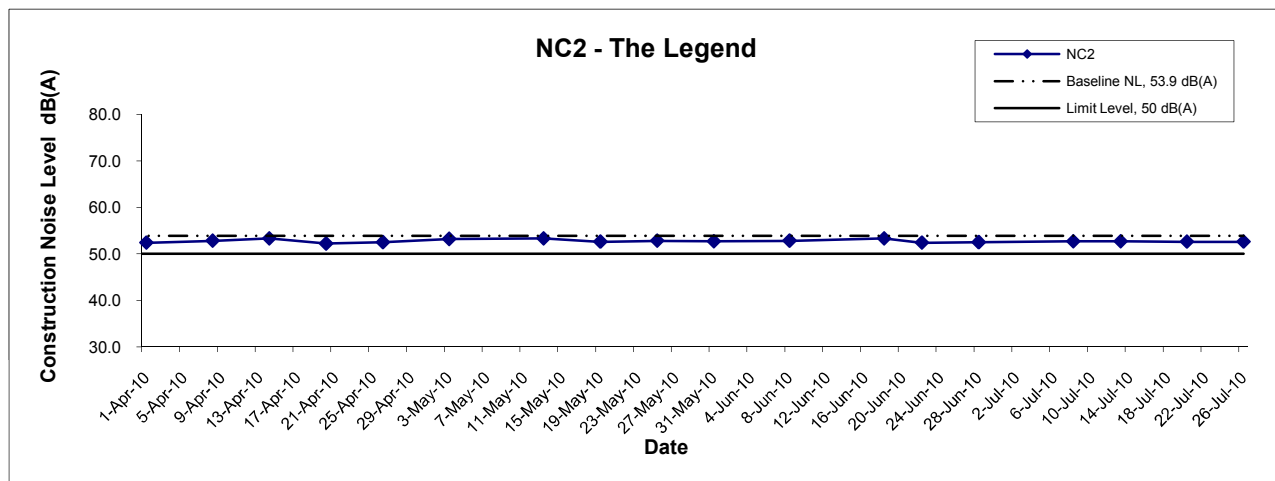
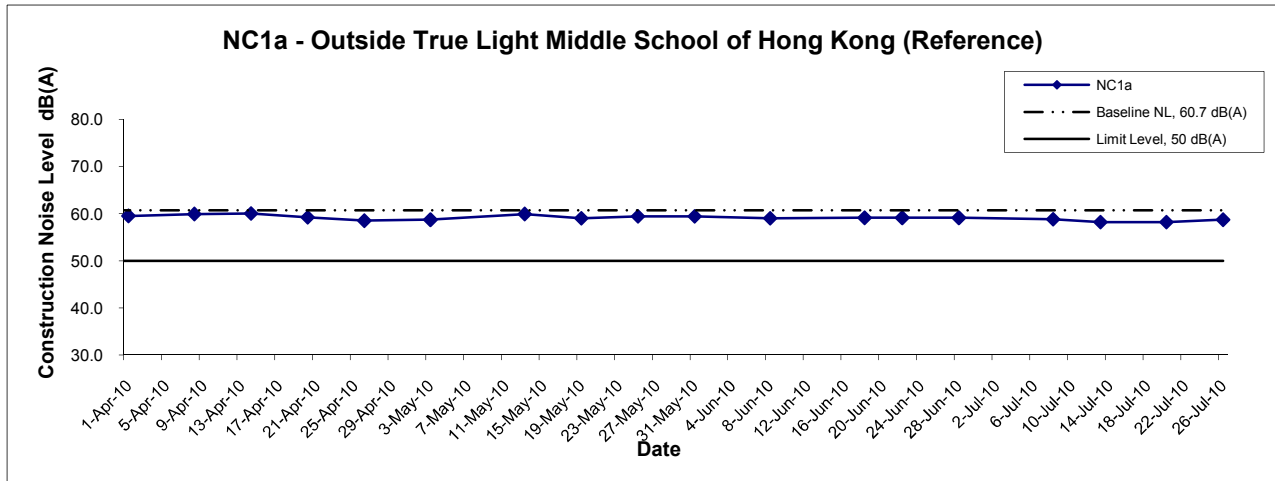
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		N.T.S Date Jul 10	MA8001 Appendix G	

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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