

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-May-10	14:25	Sunny	68.1	70.9	64.7	70.2	68.1 Measured ≤ Baseline
13-May-10	10:20	Sunny	68.9	71.7	65.0		68.9 Measured ≤ Baseline
19-May-10	14:20	Cloudy	67.8	70.3	63.7		67.8 Measured ≤ Baseline
25-May-10	14:00	Sunny	68.7	71.5	64.7		68.7 Measured ≤ Baseline
31-May-10	13:45	Cloudy	68.9	71.7	65.0		68.9 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}
3-May-10	15:10	Sunny	70.9	73.6	66.0	64.8	69.7
13-May-10	11:05	Sunny	72.1	74.8	67.9		71.2
19-May-10	15:05	Cloudy	72.7	75.5	68.0		71.9
25-May-10	14:50	Sunny	69.9	72.7	66.3		68.3
31-May-10	14:35	Cloudy	72.3	75.1	68.2		71.4

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}
3-May-10	13:00	Sunny	62.9	65.7	59.7	57.7	61.3
13-May-10	8:45	Sunny	61.9	64.3	57.3		59.8
19-May-10	8:00	Cloudy	56.9	59.2	53.8		56.9 Measured ≤ Baseline
25-May-10	8:00	Sunny	54.9	56.9	50.1		54.9 Measured ≤ Baseline
31-May-10	11:35	Cloudy	56.7	58.7	52.0		56.7 Measured ≤ Baseline

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}
3-May-10	13:45	Sunny	67.3	69.8	62.1	65.1	63.3
13-May-10	9:35	Sunny	73.8	76.9	69.4		73.2
19-May-10	11:30	Cloudy	68.9	71.6	64.1		66.6
25-May-10	13:00	Sunny	72.9	76.7	70.1		72.1
31-May-10	10:50	Cloudy	74.6	77.7	70.1		74.1

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}
3-May-10	10:45	Sunny	66.6	71.3	65.1	63.5	63.7
13-May-10	13:30	Sunny	70.7	73.3	64.0		69.8
19-May-10	13:35	Cloudy	69.7	72.6	66.3		68.5
25-May-10	11:30	Sunny	67.8	70.6	60.8		65.8
31-May-10	13:00	Cloudy	65.9	70.7	63.1		62.2

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}
3-May-10	11:25	Sunny	73.9	76.9	69.8	63.3	73.5
13-May-10	14:05	Sunny	77.3	79.2	70.7		77.1
19-May-10	13:00	Cloudy	74.7	77.8	70.3		74.4
25-May-10	10:55	Sunny	73.4	76.4	68.6		73.0
31-May-10	13:35	Cloudy	72.8	75.5	67.2		72.3

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}
3-May-10	8:00	Cloudy	67.8	70.6	63.9	63.2	66.0
13-May-10	8:00	Cloudy	68.1	70.7	64.2		66.4
19-May-10	8:45	Cloudy	67.8	71.5	63.0		66.0
25-May-10	13:50	Sunny	68.3	70.5	63.1		66.7
31-May-10	8:00	Cloudy	67.2	69.4	62.9		65.0

* Bolded value indicated limit level exceedance

Appendix G - Noise Monitoring Results

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}
3-May-10	16:05	Sunny	67.8	70.3	62.0	67.1	59.5
13-May-10	15:30	Sunny	67.5	70.1	63.2		56.9
19-May-10	13:50	Cloudy	67.8	70.4	62.7		59.5
25-May-10	14:50	Sunny	65.8	68.6	62.2		65.8 Measured $\leq$ Baseline
31-May-10	14:35	Cloudy	67.3	69.9	62.3		53.8

Location NC13 - Peakville 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}
3-May-10	16:45	Sunny	72.8	75.6	68.7	65.2	72.0
13-May-10	14:45	Sunny	73.7	76.5	68.0		73.0
19-May-10	17:00	Cloudy	72.4	75.1	67.8		71.5
25-May-10	15:30	Sunny	73.6	76.4	66.3		72.9
31-May-10	15:15	Cloudy	72.1	74.8	65.8		71.1

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}
3-May-10	9:25	Sunny	63.9	66.7	57.9	60.8	61.0
13-May-10	16:00	Sunny	65.9	68.2	60.8		64.3
19-May-10	10:10	Cloudy	64.7	67.2	60.3		62.4
25-May-10	9:30	Sunny	64.7	67.0	58.7		62.4
31-May-10	9:30	Cloudy	64.8	67.4	58.9		62.6

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-May-10	14:20	Sunny	66.8	72.2	65.1	63.5	64.1
13-May-10	17:40	Cloudy	65.9	71.4	65.0		62.2
19-May-10	15:55	Cloudy	66.6	71.1	63.9		63.7
25-May-10	17:15	Sunny	66.7	71.1	63.0		63.9
31-May-10	17:05	Cloudy	66.8	70.3	63.9		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}
3-May-10	17:25	Cloudy	65.2	67.8	60.7	70.4	65.2 Measured $\leq$ Baseline
13-May-10	14:00	Sunny	66.3	68.8	62.3		66.3 Measured $\leq$ Baseline
19-May-10	14:45	Cloudy	65.6	68.0	62.6		65.6 Measured $\leq$ Baseline
25-May-10	16:15	Sunny	64.7	67.2	59.7		64.7 Measured $\leq$ Baseline
31-May-10	16:00	Cloudy	64.3	66.5	59.9		64.3 Measured $\leq$ Baseline

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}
3-May-10	8:45	Sunny	64.2	66.7	60.2	68.6	64.2 Measured $\leq$ Baseline
13-May-10	15:20	Sunny	67.6	69.3	62.1		67.6 Measured $\leq$ Baseline
19-May-10	9:30	Cloudy	65.7	68.3	61.8		65.7 Measured $\leq$ Baseline
25-May-10	8:50	Sunny	65.2	67.7	60.9		65.2 Measured $\leq$ Baseline
31-May-10	8:45	Cloudy	65.9	68.6	60.3		65.9 Measured $\leq$ Baseline

Location GNC6 - French International School							
Date	Time	Weather	Unit: dB (A) (30-min)				
			Measured Noise Level			Baseline Level	Construction Noise Level
			L _{eq}	L ₁₀	L ₉₀		
3-May-10	10:00	Sunny	58.2	64.4	57.6	63.1	57.6
13-May-10	16:40	Cloudy	57.9	63.8	56.7		56.7
19-May-10	10:45	Cloudy	57.7	64.1	56.6		56.6
25-May-10	10:10	Sunny	58.7	63.1	56.8		56.8
31-May-10	10:10	Cloudy	57.2	63.4	56.8		56.8

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)
			L _{eq}	L ₁₀	L ₉₀		L _{eq}	Construction Noise Level, L _{eq}
2-May-10	9:20	Sunny	67.4	68.5	62.5	67.7	65.8	63.2
	9:25		67.6	68.5	62.5			
	9:30		68.2	69.0	63.0			
3-May-10	19:00	Cloudy	67.3	69.7	63.2	67.5		62.6
	19:05		67.6	69.9	63.4			
	19:10		67.7	69.9	63.5			
9-May-10	9:30	Sunny	67.4	69.0	62.5	67.3		62.0
	9:35		66.9	69.0	62.0			
	9:40		67.5	69.0	62.5			
13-May-10	19:00	Cloudy	67.8	70.4	63.4	67.7		63.2
	19:05		67.5	70.0	63.1			
	19:10		67.7	70.3	63.3			
16-May-10	9:25	Cloudy	67.3	68.5	64.5	67.5		62.6
	9:30		67.6	69.0	64.0			
	9:35		67.7	68.5	64.0			
19-May-10	19:00	Cloudy	67.6	69.8	62.8	67.6		62.9
	19:05		67.5	69.7	62.7			
	19:10		67.7	69.9	62.8			
23-May-10	10:35	Cloudy	67.3	69.5	64.0	67.4		62.3
	10:40		67.7	69.0	63.5			
	10:45		67.2	69.0	64.0			
25-May-10	19:00	Cloudy	67.2	69.7	63.4	67.1		61.2
	19:05		67.3	69.8	63.5			
	19:10		67.1	69.6	63.5			
30-May-10	09:20	Cloudy	67.1	69.5	63.5	67.3		62.0
	09:25		67.6	69.5	63.5			
	09:30		67.2	69.0	63.5			
31-May-10	19:00	Cloudy	67.6	69.8	62.0	67.5		62.6
	19:05		67.4	69.7	61.9			
	19:10		67.5	69.8	62.0			

(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}
2-May-10	10:00	Sunny	64.2	66.0	60.5	63.9	59.1	62.2
	10:05		63.6	65.5	60.0			
	10:10		63.9	65.5	60.5			
3-May-10	19:30	Cloudy	63.6	67.1	60.8	63.6		61.7
	19:35		63.5	67.0	60.9			
	19:40		63.7	67.2	60.9			
9-May-10	9:55	Sunny	63.8	65.5	61.0	64.3		62.7
	10:00		64.3	66.0	61.5			
	10:05		64.8	66.5	61.5			
13-May-10	19:30	Cloudy	64.7	67.3	60.4	64.7		63.3
	19:35		64.6	67.2	60.2			
	19:40		64.7	67.3	60.4			
16-May-10	9:00	Cloudy	64.6	65.5	63.0	64.2		62.6
	9:05		63.9	65.0	62.5			
	9:10		64.2	65.5	63.0			
19-May-10	19:30	Cloudy	64.0	66.7	60.8	64.2		62.6
	19:35		64.2	66.8	60.9			
	19:40		64.3	66.9	61.0			
23-May-10	10:05	Cloudy	64.8	66.0	52.5	64.5		63.0
	10:10		64.2	65.5	63.0			
	10:15		64.5	65.5	63.0			
25-May-10	19:30	Cloudy	64.8	67.2	60.7	64.7		63.3
	19:35		64.7	67.2	60.6			
	19:40		64.6	67.1	60.5			
30-May-10	09:45	Cloudy	64.3	66.5	62.5	64.6		63.2
	09:50		64.8	66.5	63.0			
	09:55		64.8	66.5	62.5			
31-May-10	19:30	Cloudy	65.1	67.6	61.3	64.9		63.6
	19:35		64.8	67.3	61.1			
	19:40		64.7	67.3	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}
2-May-10	11:30	Sunny	55.6	58.0	52.5	55.9	53.8	51.7
	11:35		56.2	57.5	53.0			
	11:40		55.8	58.0	52.5			
3-May-10	20:30	Cloudy	50.9	52.1	47.7	50.6		50.6 Measured ≤ Baseline
	20:35		50.7	52.0	47.6			
	20:40		50.3	51.8	47.3			
9-May-10	10:50	Sunny	58.4	60.5	53.0	57.3		54.7
	10:55		56.6	60.0	53.5			
	11:00		56.8	60.0	53.5			
13-May-10	20:30	Cloudy	50.3	52.5	47.8	50.5		50.5 Measured ≤ Baseline
	20:35		50.5	52.8	47.9			
	20:40		50.6	52.9	48.0			
16-May-10	10:30	Cloudy	50.8	52.5	50.0	51.2		51.2 Measured ≤ Baseline
	10:35		51.5	53.0	50.0			
	10:40		51.2	53.0	50.0			
19-May-10	20:30	Cloudy	50.9	53.2	46.7	51.1		51.1 Measured ≤ Baseline
	20:35		51.1	53.4	46.8			
	20:40		51.3	53.5	47.0			
23-May-10	11:30	Cloudy	52.0	53.5	50.5	51.6		51.6 Measured ≤ Baseline
	11:35		51.3	52.5	50.5			
	11:40		51.6	52.5	50.5			
25-May-10	20:30	Cloudy	50.1	52.1	47.0	50.1		50.1 Measured ≤ Baseline
	20:35		50.1	52.0	47.0			
	20:40		50.2	52.2	47.2			
30-May-10	10:55	Cloudy	52.8	54.0	50.5	52.8		52.8 Measured ≤ Baseline
	11:00		52.6	54.0	50.5			
	11:05		53.1	54.5	50.5			
31-May-10	20:30	Cloduy	49.7	51.8	46.7	49.7		49.7 Measured ≤ Baseline
	20:35		49.8	51.8	46.8			
	20:40		49.6	51.7	46.5			

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}
3-May-10	23:25	Cloudy	58.4	59.5	53.0	58.7	58.7 Measured $\leq$ Baseline
	23:30		58.7	60.0	53.0		
	23:35		59.0	60.5	53.5		
13-May-10	23:25	Cloudy	60.3	62.0	53.5	59.9	59.9 Measured $\leq$ Baseline
	23:30		59.8	62.0	52.0		
	23:35		59.5	62.0	51.5		
19-May-10	23:25	Cloudy	58.8	61.5	54.5	59.0	59.0 Measured $\leq$ Baseline
	23:30		59.2	62.0	55.0		
	23:35		58.9	62.0	54.5		
25-May-10	23:25	Cloudy	59.8	61.0	54.5	59.4	59.4 Measured $\leq$ Baseline
	23:30		58.8	60.5	54.5		
	23:35		59.6	60.5	54.5		
31-May-10	23:25	Cloudy	59.2	62.5	53.5	59.4	59.4 Measured $\leq$ Baseline
	23:30		59.6	62.0	53.0		
	23:35		59.3	62.5	53.0		

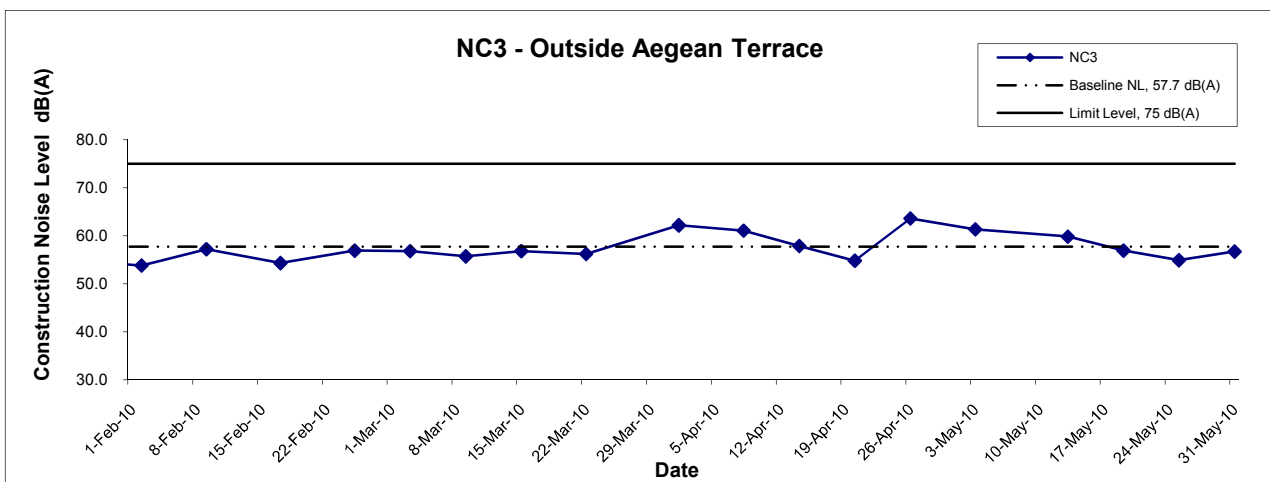
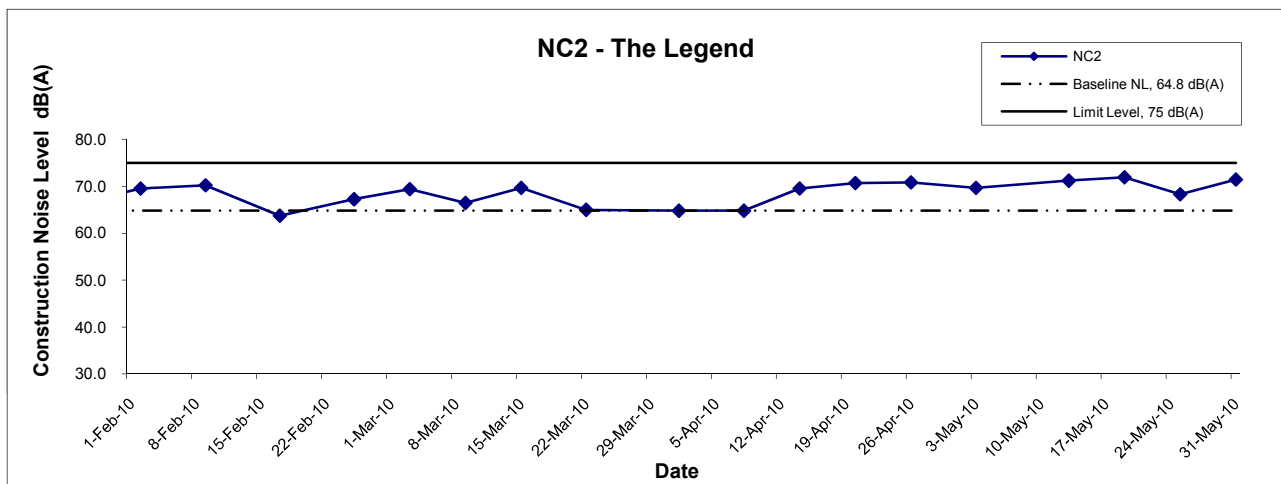
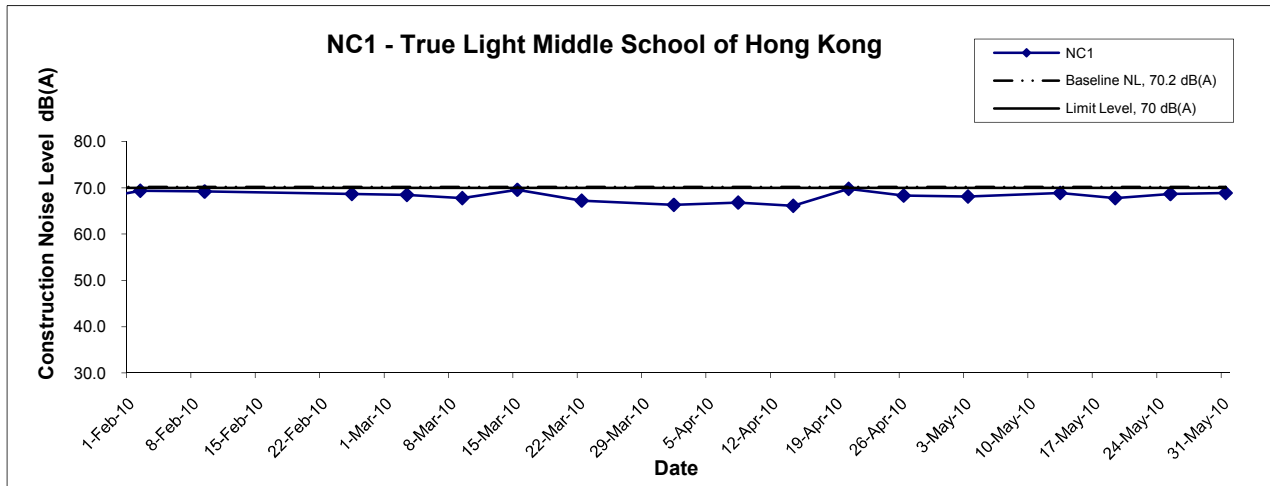
(Restricted Hours - 23:00 to 07:00 on all days)

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}
3-May-10	23:00	Cloudy	53.2	55.5	49.5	53.2	53.9 Measured $\leq$ Baseline
	23:05		53.5	55.5	49.5		
	23:10		53.0	55.0	49.5		
13-May-10	23:00	Cloudy	53.8	55.0	50.0	53.3	53.3 Measured $\leq$ Baseline
	23:05		52.7	54.5	50.5		
	23:10		53.4	54.5	50.0		
19-May-10	23:00	Cloudy	52.8	54.0	50.0	52.6	52.6 Measured $\leq$ Baseline
	23:05		52.6	54.0	50.5		
	23:10		52.4	54.0	50.0		
25-May-10	23:00	Cloudy	53.1	55.0	50.5	52.8	52.8 Measured $\leq$ Baseline
	23:05		52.8	54.0	50.0		
	23:10		52.5	54.0	50.0		
31-May-10	23:00	Cloudy	52.8	54.5	50.5	52.7	52.7 Measured $\leq$ Baseline
	23:05		52.6	54.5	50.5		
	23:10		52.8	54.5	50.5		

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

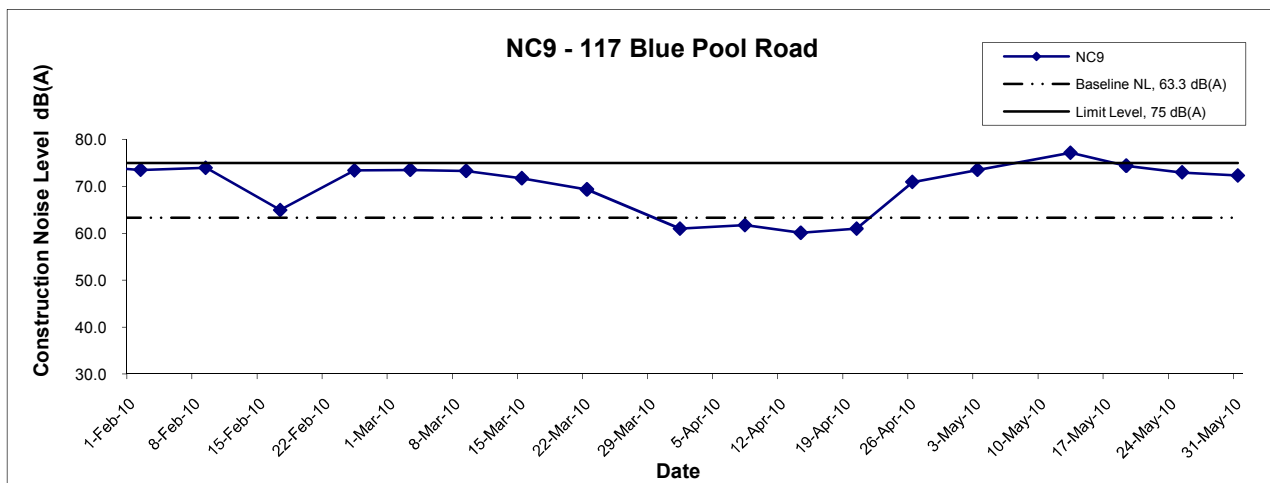
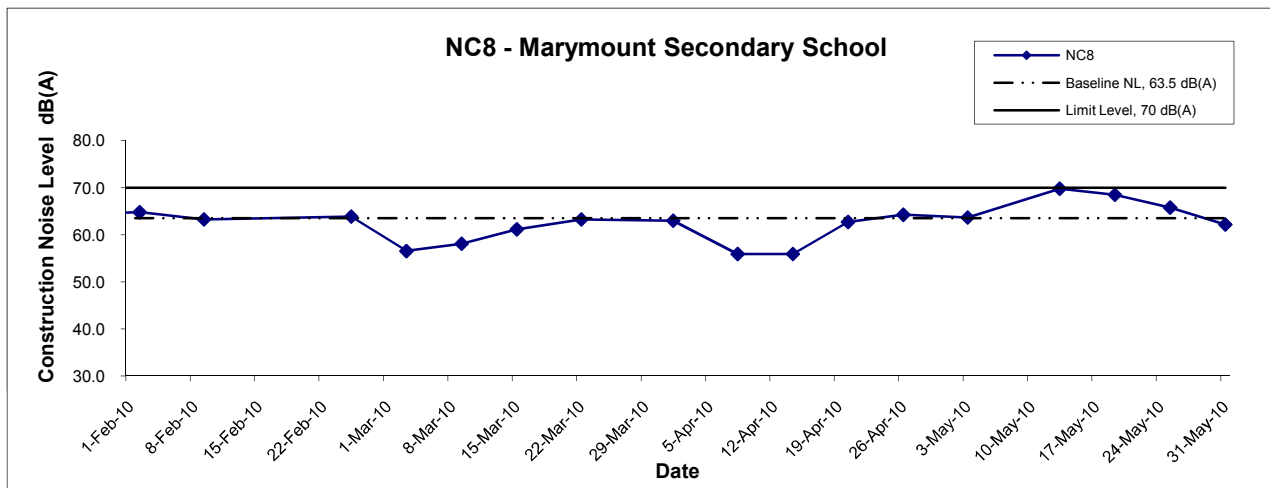
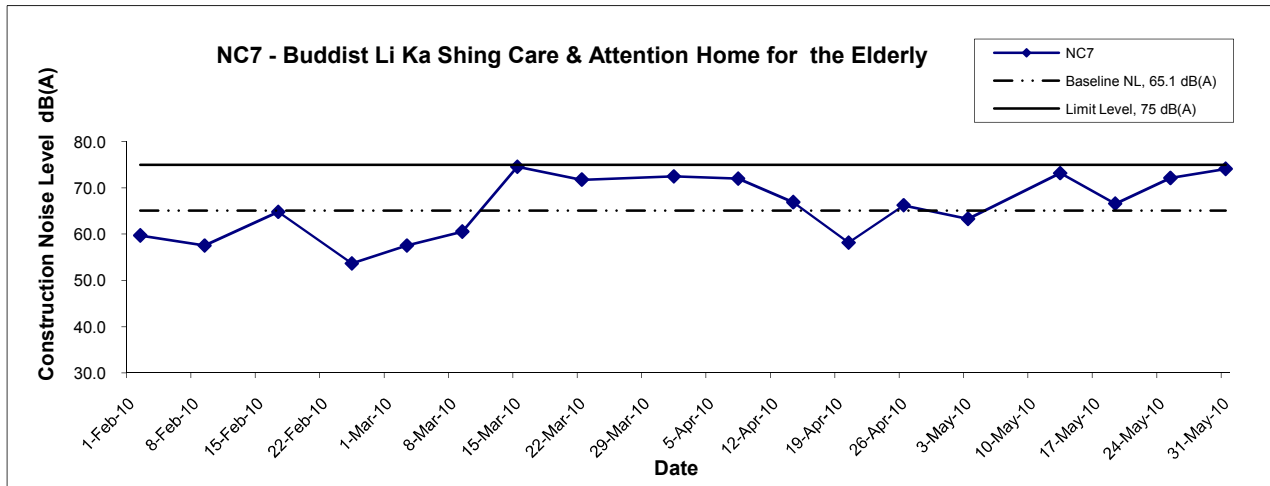
Location NC3 - Outside Aegean Terrace							
Date	Time	Weather	dB (A) (5-min)			Baseline Level	Construction Noise Level
			L_{eq}	L_{10}	L_{90}	Average L_{eq}	L_{eq}
4-May-10	00:20	Cloudy	54.2	56.0	51.0	53.8	49.1
	00:25		53.4	55.0	50.5		
	00:30		53.8	55.5	51.0		
14-May-10	00:15	Cloudy	52.4	54.5	51.0	53.6	48.5
	00:20		53.8	55.5	52.5		
	00:25		54.2	56.0	52.0		
20-May-10	00:20	Cloudy	48.9	51.0	47.0	48.5	48.5 Measured $\leq$ Baseline
	00:25		48.3	50.5	47.0		
	00:30		48.3	50.5	47.5		
26-May-10	00:30	Cloudy	49.3	51.0	49.0	49.4	49.4 Measured $\leq$ Baseline
	00:35		49.2	51.0	49.0		
	00:40		49.6	50.5	49.0		
1-Jun-10	00:30	Cloudy	49.3	50.0	48.5	49.3	49.3 Measured $\leq$ Baseline
	00:35		49.1	50.0	48.5		
	00:40		49.5	50.0	48.5		

Noise Levels



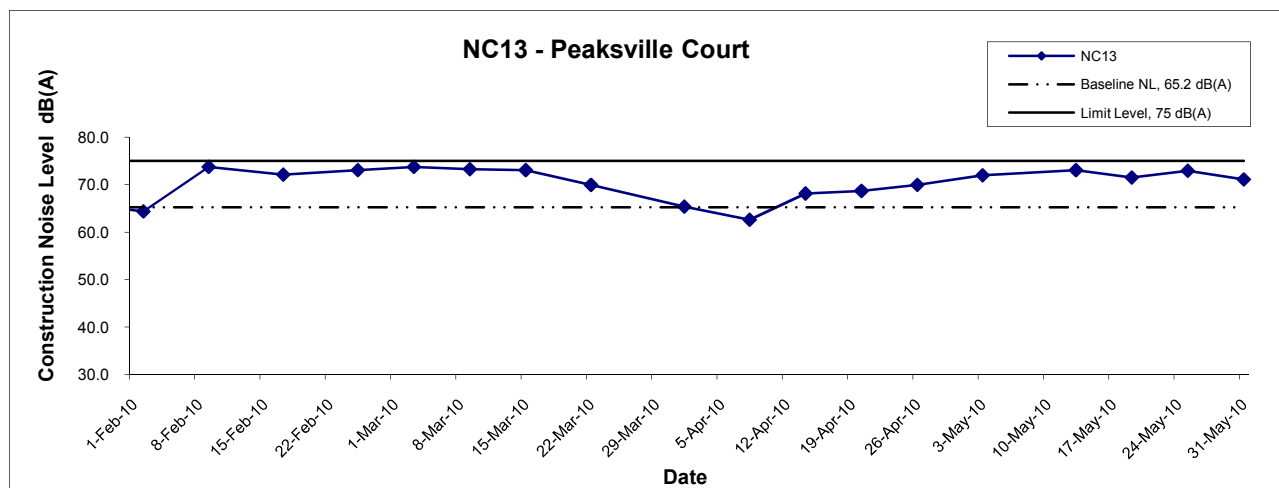
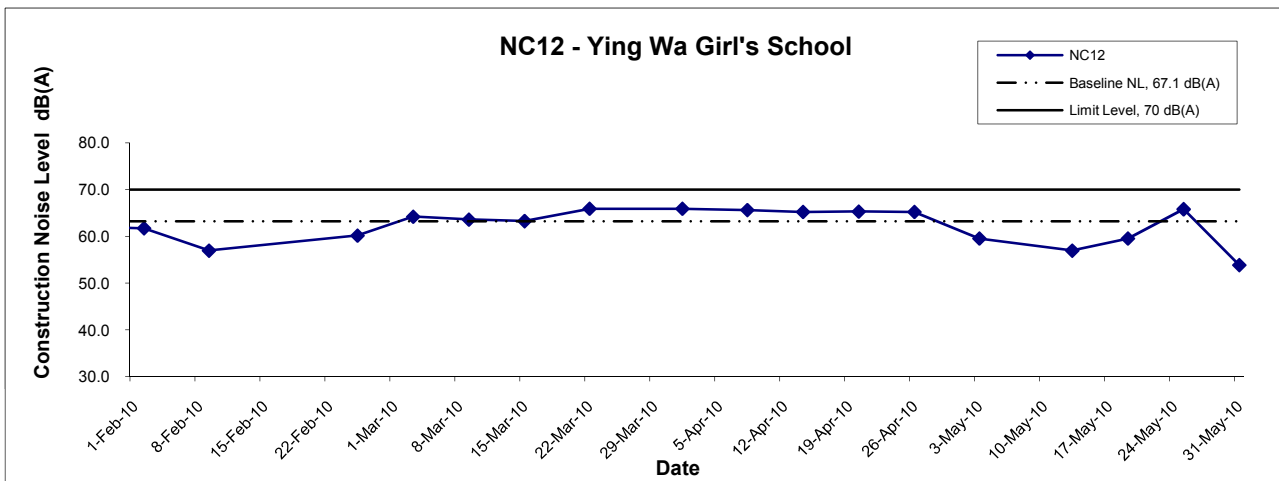
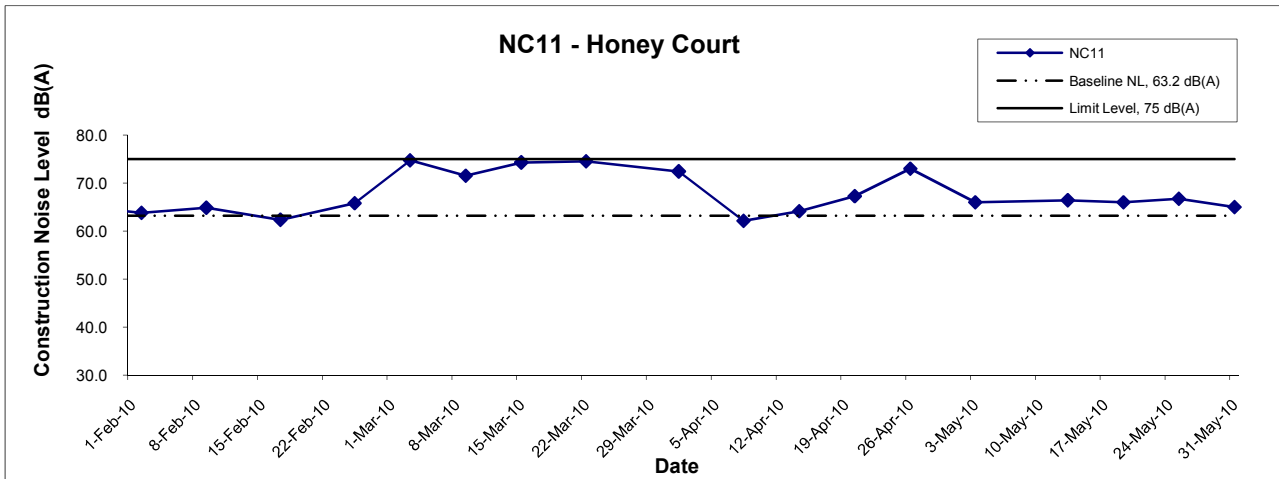
Title Contract No. DC/2007/10 Design and Construction of Hong Kong West Drainage Tunnel Graphical Presentation of Construction Noise Monitoring Results	Scale N.T.S	Project No. MA8001	
	Date May 10	Appendix G	

Noise Levels



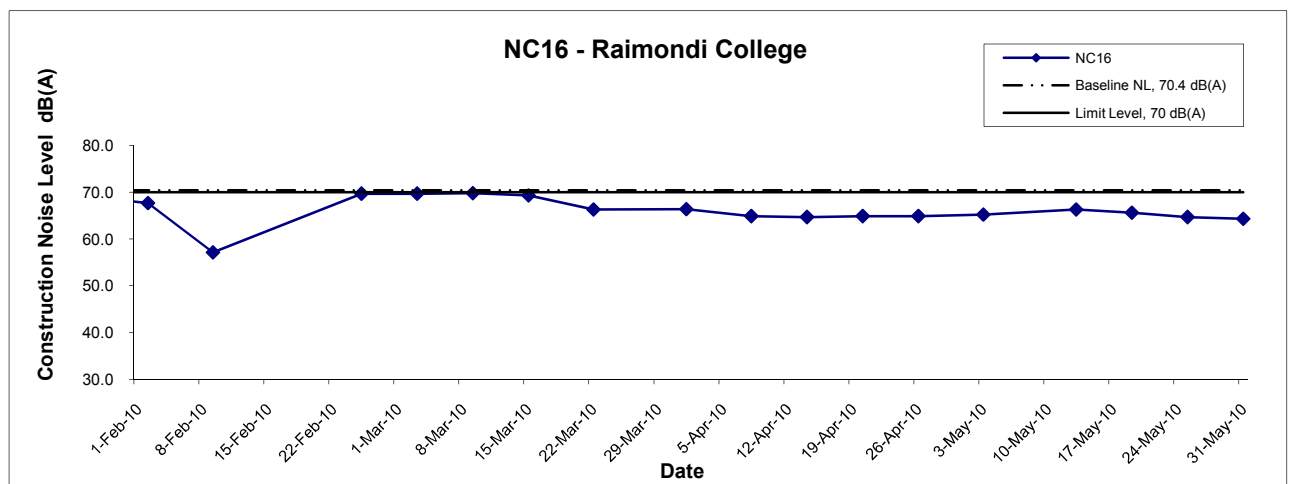
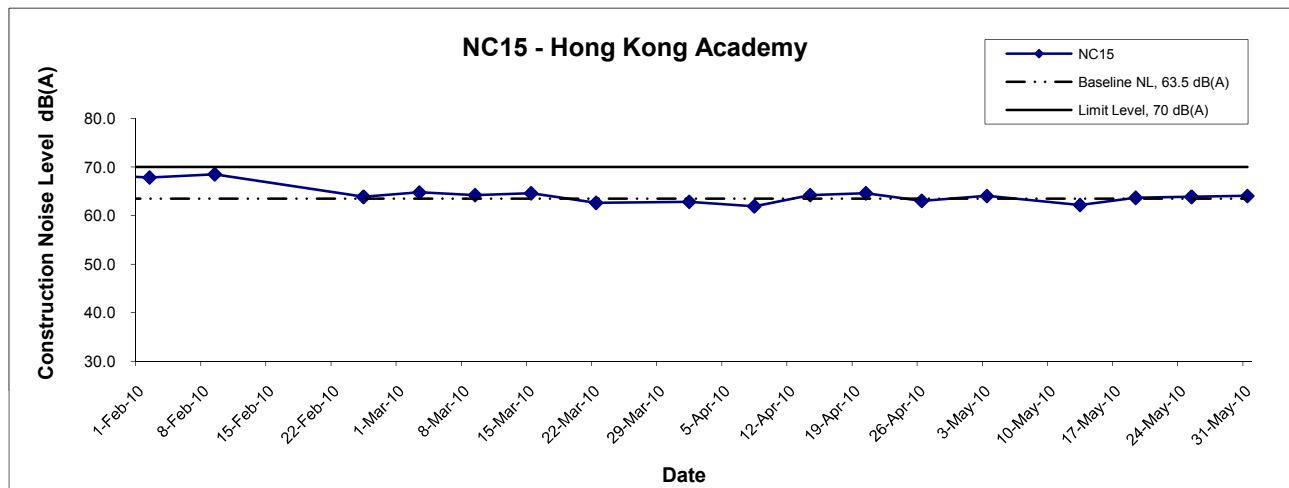
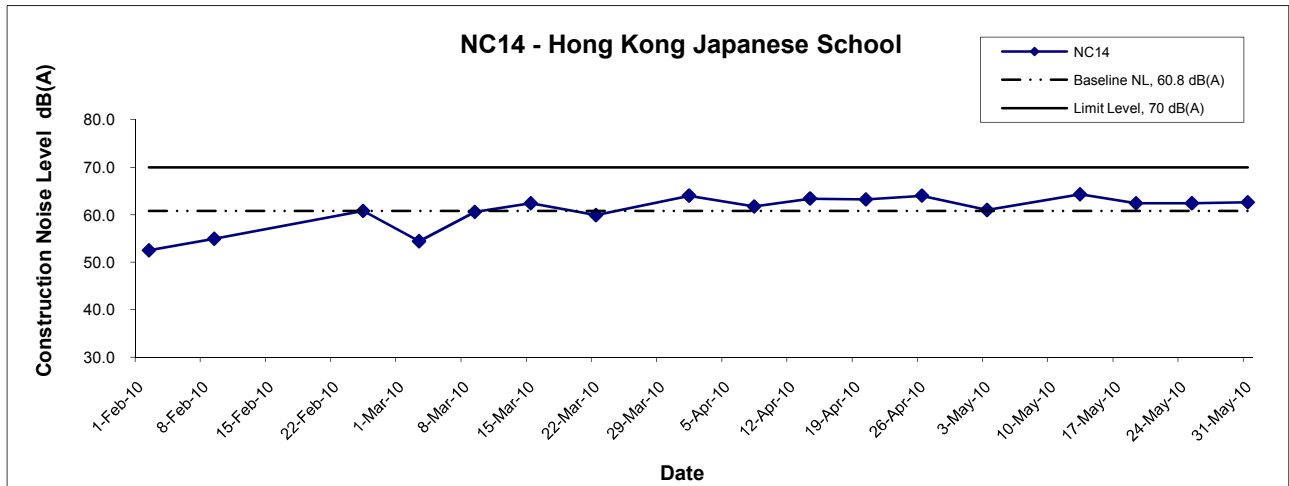
Title Contract No. DC/2007/10 Design and Construction of Hong Kong West Drainage Tunnel Graphical Presentation of Construction Noise Monitoring Results	Scale N.T.S	Project No. MA8001	
	Date May 10	Appendix G	

Noise Levels



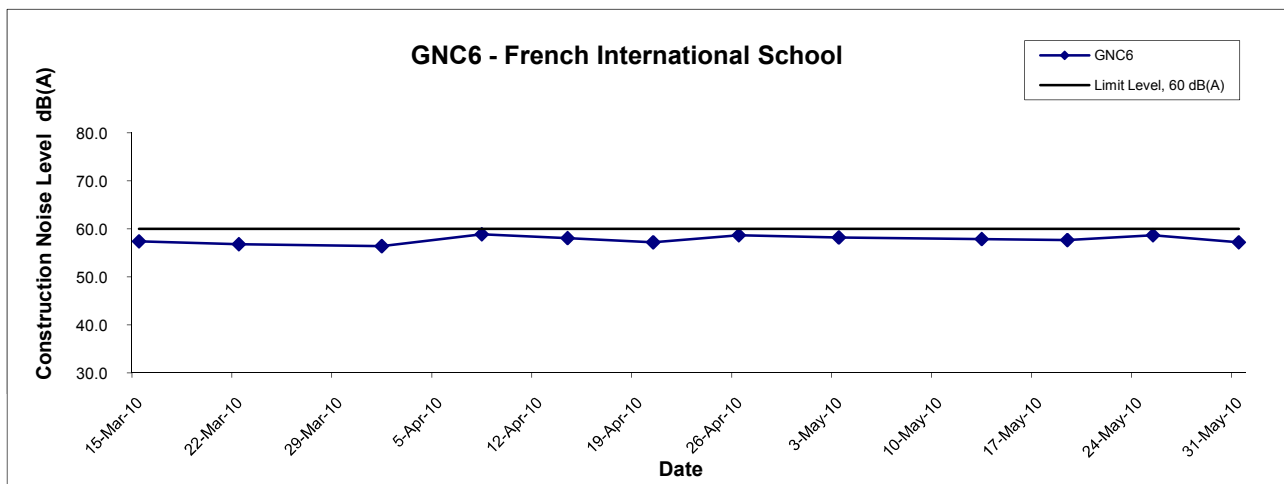
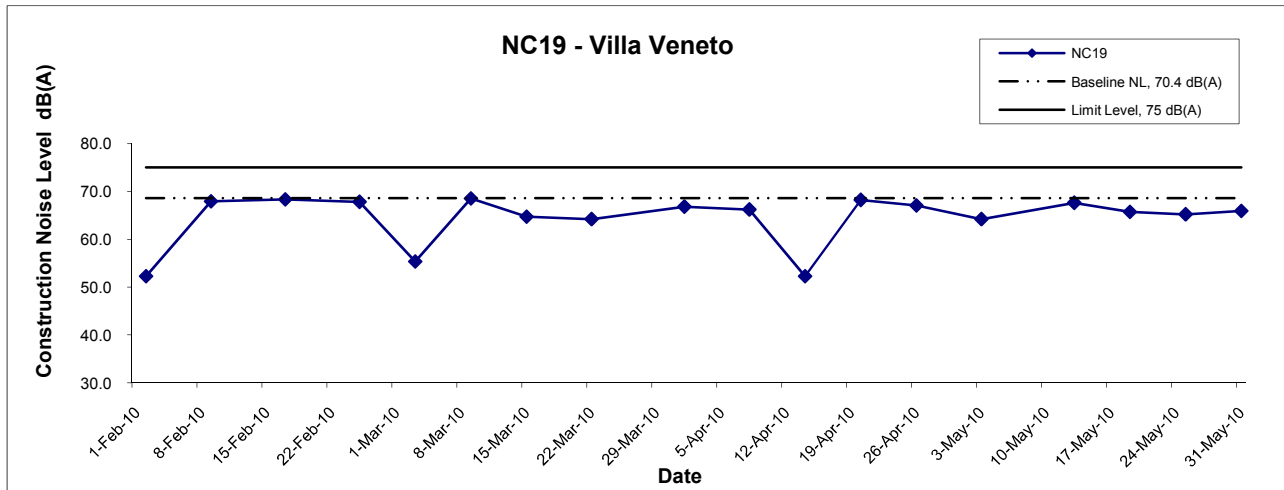
Title Contract No. DC/2007/10 Design and Construction of Hong Kong West Drainage Tunnel Graphical Presentation of Construction Noise Monitoring Results	Scale N.T.S	Project No. MA8001	
	Date May 10	Appendix G	

Noise Levels



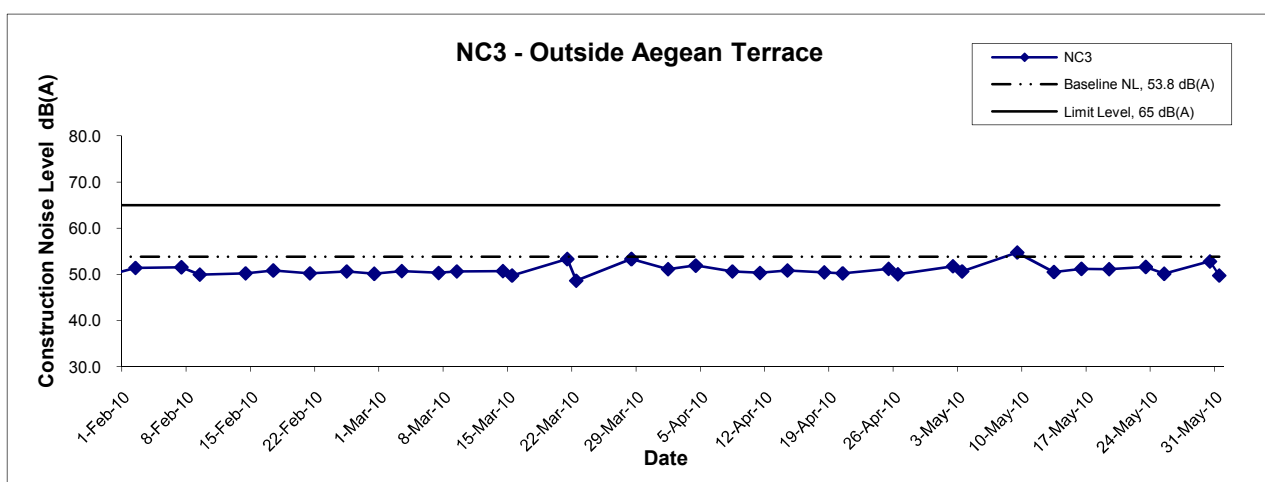
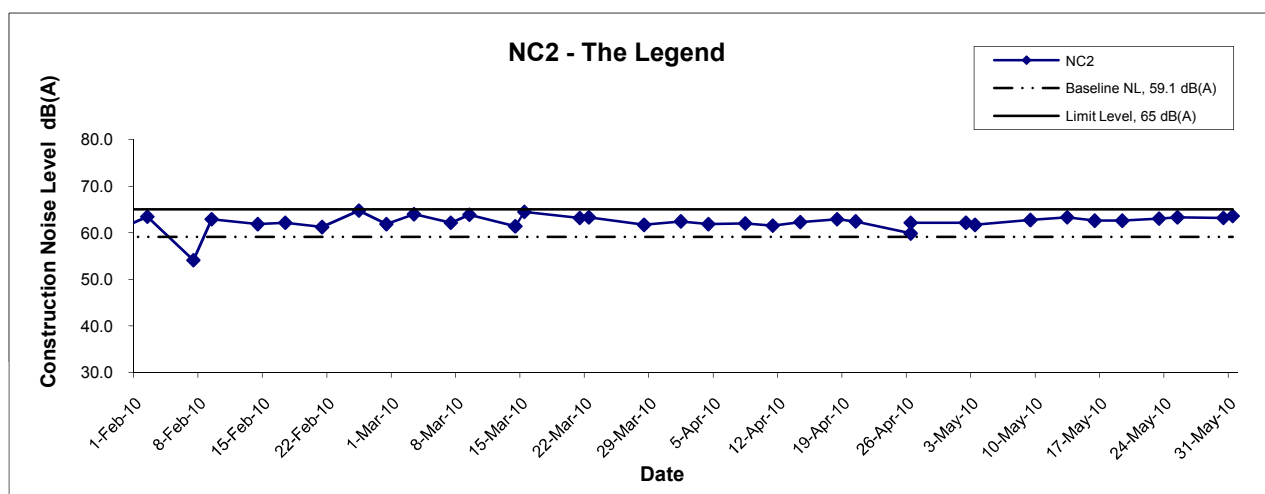
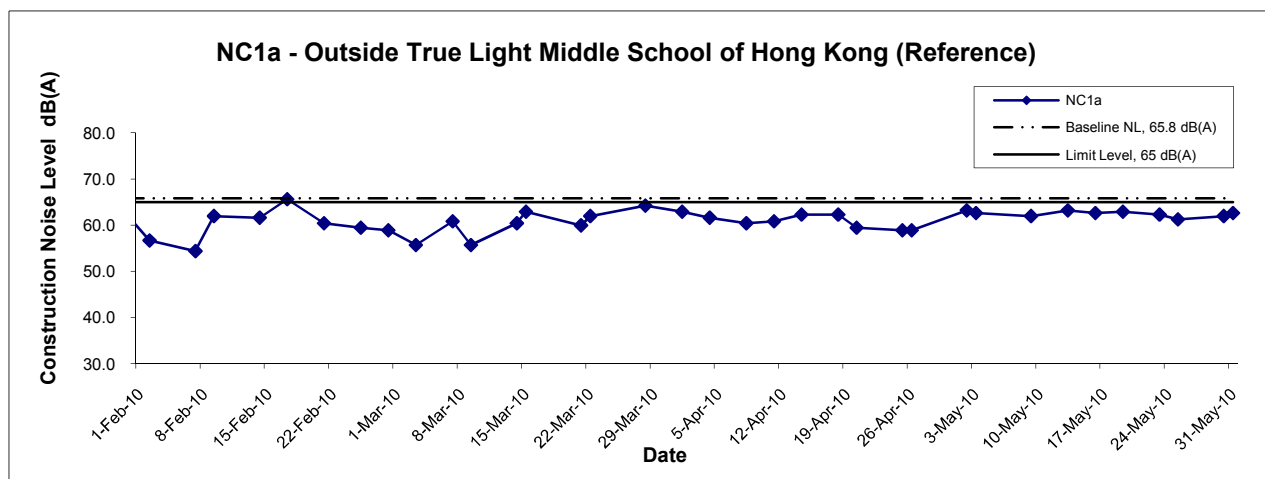
Title Contract No. DC/2007/10 Design and Construction of Hong Kong West Drainage Tunnel Graphical Presentation of Construction Noise Monitoring Results	Scale N.T.S	Project No. MA8001	
	Date May 10	Appendix G	

Noise Levels



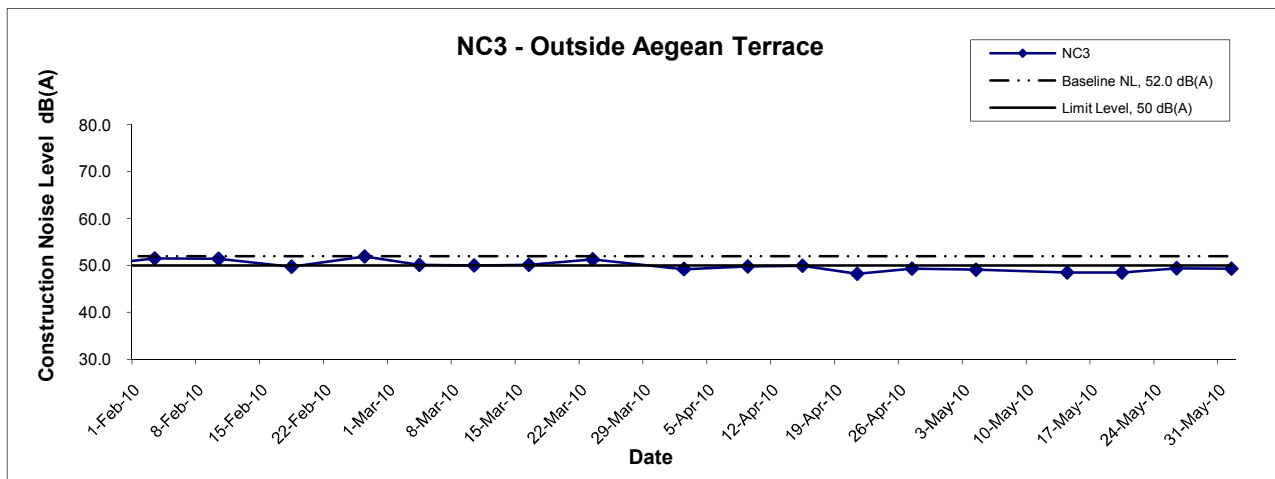
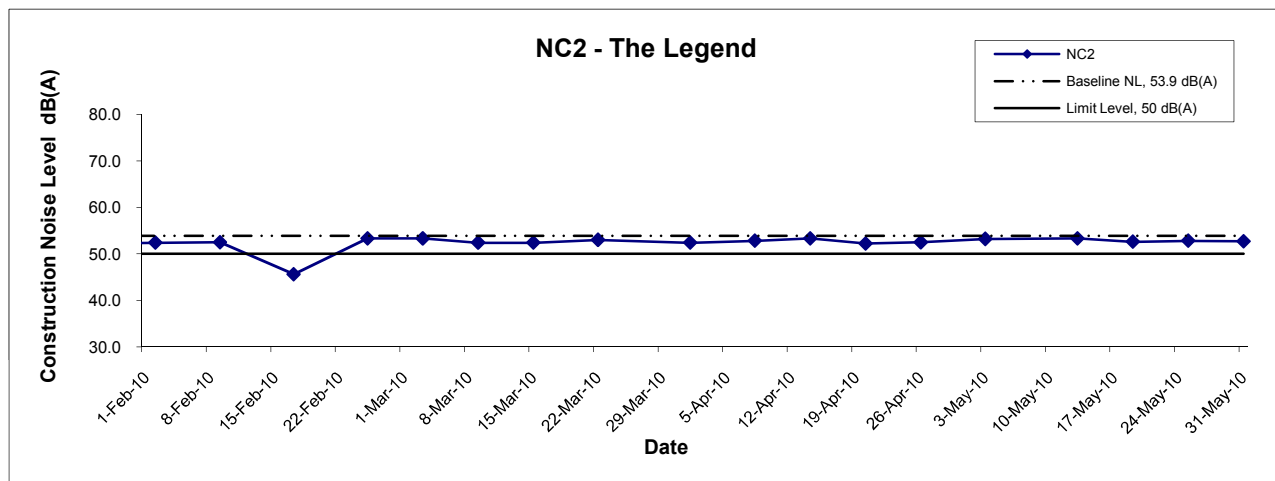
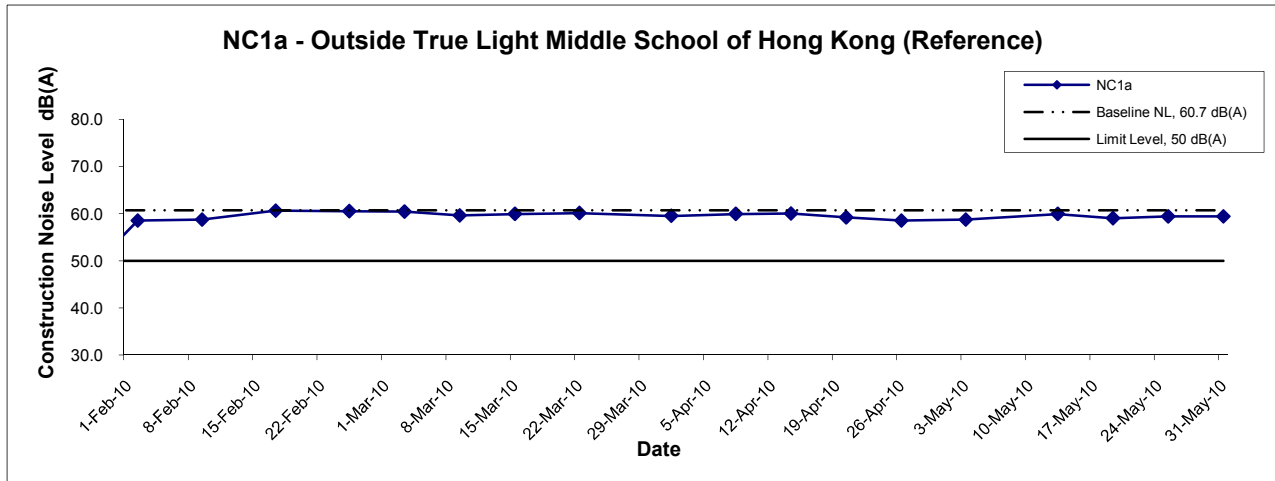
Title	Contract No. DC/2007/10 Design and Construction of Hong Kong West Drainage Tunnel Graphical Presentation of Construction Noise Monitoring Results	Scale	Project No.	CINOTECH
		N.T.S Date May 10	MA8001 Appendix G	

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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