

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}
5-Oct-10	11:30	Cloudy	68.7	71.4	64.2	70.2	68.7 Measured $\leq$ Baseline
11-Oct-10	11:25	Cloudy	70.3	72.7	67.2		53.9
21-Oct-10	9:05	Cloudy	67.2	68.8	62.7		67.2 Measured $\leq$ Baseline
27-Oct-10	13:00	Sunny	72.8	75.7	66.4		69.3

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}
5-Oct-10	10:55	Cloudy	68.8	72.8	65.4	64.8	66.6
11-Oct-10	10:45	Cloudy	70.4	73.2	64.6		69.0
21-Oct-10	9:55	Cloudy	64.2	65.1	61.7		64.2 Measured $\leq$ Baseline
27-Oct-10	11:25	Sunny	64.7	66.8	60.8		64.7 Measured $\leq$ Baseline

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}
5-Oct-10	8:20	Cloudy	54.7	57.0	50.3	57.7	54.7 Measured $\leq$ Baseline
11-Oct-10	11:30	Sunny	54.6	57.0	50.7		54.6 Measured $\leq$ Baseline
21-Oct-10	9:00	Sunny	60.3	62.4	54.9		56.8
27-Oct-10	8:20	Cloudy	55.6	57.8	50.9		55.6 Measured $\leq$ Baseline

Location NC4 - Man Yuen Garden							
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}
5-Oct-10	13:05	Sunny	71.3	74.0	67.0	64.5	70.3
11-Oct-10	16:50	Cloudy	69.7	72.5	64.8		68.1
21-Oct-10	9:00	Cloudy	68.0	69.5	66.5		65.4
27-Oct-10	13:00	Sunny	71.8	74.5	65.6		70.9

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}
5-Oct-10	10:10	Sunny	68.6	71.1	63.0	66.1	65.0
11-Oct-10	9:15	Sunny	70.2	72.6	63.4		68.1
21-Oct-10	10:20	Sunny	69.9	72.1	65.6		67.6
27-Oct-10	10:00	Sunny	68.7	71.2	63.2		65.2

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}
5-Oct-10	10:50	Sunny	64.6	67.1	60.4	64.1	55.0
11-Oct-10	9:55	Sunny	64.3	67.0	60.7		50.8
21-Oct-10	9:45	Sunny	65.8	68.4	61.3		60.9
27-Oct-10	10:45	Sunny	64.2	66.6	60.7		47.8

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}
5-Oct-10	10:00	Cloudy	70.4	73.8	65.7	65.1	68.9
11-Oct-10	9:55	Cloudy	68.9	72.4	64.6		66.6
21-Oct-10	11:10	Cloudy	73.0	77.2	66.3		72.2
27-Oct-10	10:15	Sunny	64.7	67.5	58.5		64.7 Measured $\leq$ Baseline

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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}
5-Oct-10	14:15	Cloudy	66.4	70.7	61.3	63.5	63.3
11-Oct-10	14:50	Cloudy	65.8	70.3	60.9		61.9
21-Oct-10	15:00	Cloudy	66.6	72.3	60.1		63.7
27-Oct-10	14:30	Cloudy	68.8	76.7	64.9		67.3

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}
5-Oct-10	14:50	Cloudy	68.5	71.7	63.6	63.3	66.9
11-Oct-10	14:15	Cloudy	67.9	70.3	63.5		66.1
21-Oct-10	14:25	Cloudy	68.9	73.4	61.1		67.5
27-Oct-10	15:05	Sunny	71.6	73.8	63.7		70.9

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}
5-Oct-10	11:30	Sunny	70.8	73.5	66.3	71.7	70.8 Measured ≤ Baseline
11-Oct-10	10:40	Sunny	71.0	73.8	66.9		71.0 Measured ≤ Baseline
21-Oct-10	11:00	Sunny	69.7	72.4	64.6		69.7 Measured ≤ Baseline
27-Oct-10	11:30	Sunny	71.3	73.9	66.7		71.3 Measured ≤ 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}
5-Oct-10	9:15	Cloudy	65.9	68.5	62.6	63.2	62.6
11-Oct-10	8:20	Cloudy	66.3	68.8	62.0		63.4
21-Oct-10	13:00	Sunny	66.9	70.2	63.3		64.5
27-Oct-10	9:05	Sunny	67.0	69.6	63.0		64.7

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}
5-Oct-10	13:55	Sunny	63.8	66.2	60.1	67.1	63.8 Measured ≤ Baseline
11-Oct-10	13:00	Sunny	63.9	66.3	59.8		63.9 Measured ≤ Baseline
21-Oct-10	17:00	Sunny	67.3	69.8	62.4		53.8
27-Oct-10	13:50	Sunny	64.0	66.4	60.1		64.0 Measured ≤ 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}
5-Oct-10	14:35	Sunny	69.7	72.3	64.7	65.2	67.8
11-Oct-10	13:45	Sunny	71.8	74.4	66.1		70.7
21-Oct-10	13:45	Sunny	68.3	71.1	65.7		65.4
27-Oct-10	14:30	Sunny	68.9	71.6	64.0		66.5

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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}
5-Oct-10	13:10	Cloudy	65.8	69.1	61.2	60.8	64.1
11-Oct-10	13:20	Cloudy	65.9	69.1	61.4		64.3
21-Oct-10	13:00	Cloudy	65.8	67.7	59.3		64.1
27-Oct-10	13:45	Sunny	63.1	66.2	58.6		59.2

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}
5-Oct-10	17:40	Cloudy	66.2	68.8	62.9	63.5	62.9
11-Oct-10	17:40	Cloudy	65.4	67.8	61.4		60.9
21-Oct-10	14:25	Sunny	64.7	67.8	60.5		58.5
27-Oct-10	17:50	Cloudy	65.8	68.3	62.1		61.9

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}
5-Oct-10	15:15	Sunny	63.0	65.4	59.8	70.4	63.0 Measured $\leq$ Baseline
11-Oct-10	14:30	Sunny	64.0	66.3	60.0		64.0 Measured $\leq$ Baseline
21-Oct-10	15:00	Sunny	66.3	69.4	61.6		66.3 Measured $\leq$ Baseline
27-Oct-10	15:15	Sunny	64.5	66.8	59.9		64.5 Measured $\leq$ 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}
5-Oct-10	16:10	Sunny	67.0	69.5	63.1	66.0	60.1
11-Oct-10	15:20	Sunny	67.2	69.9	63.4		61.0
21-Oct-10	15:40	Sunny	67.8	69.7	62.8		63.1
27-Oct-10	16:20	Sunny	66.8	69.5	63.7		59.1

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}
5-Oct-10	16:50	Sunny	70.3	72.9	65.9	64.8	68.9
11-Oct-10	16:00	Sunny	72.1	74.7	66.0		71.2
21-Oct-10	16:25	Sunny	70.1	73.1	66.2		68.6
27-Oct-10	17:00	Cloudy	69.9	72.7	65.8		68.3

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}
5-Oct-10	15:40	Cloudy	65.3	68.9	60.7	68.6	65.3 Measured $\leq$ Baseline
11-Oct-10	16:05	Cloudy	65.2	68.8	61.1		65.2 Measured $\leq$ Baseline
21-Oct-10	17:05	Cloudy	66.3	69.4	62.3		66.3 Measured $\leq$ Baseline
27-Oct-10	16:00	Sunny	65.7	68.4	61.8		65.7 Measured $\leq$ 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}	
3-Oct-10	9:10	Sunny	66.3	68.0	63.0	66.4	57.5
	9:15		66.2	68.0	63.0		
	9:20		66.6	68.5	63.5		
5-Oct-10	19:00	Cloudy	67.2	69.8	63.7	67.2	61.6
	19:05		67.3	69.9	63.8		
	19:10		67.1	69.7	63.7		
10-Oct-10	9:00	Cloudy	65.8	67.5	63.0	66.1	54.3
	9:05		66.3	67.5	63.5		
	9:10		66.3	67.5	63.5		
11-Oct-10	19:10	Cloudy	67.4	69.9	63.7	67.2	61.6
	19:15		67.2	69.8	63.5		
	19:20		67.0	69.5	63.4		
17-Oct-10	9:05	Sunny	65.3	67.6	63.2	65.6	65.6 Measured $\leq$ Baseline
	9:10		65.8	67.8	63.7		
	9:15		65.7	67.8	63.5		
21-Oct-10	20:05	Cloudy	64.2	68.3	60.0	66.2	55.6
	20:10		69.2	72.5	60.4		
	20:15		61.9	64.2	60.0		
24-Oct-10	10:30	Sunny	66.1	69.1	63.8	66.3	56.7
	10:35		66.1	69.0	63.8		
	10:40		66.7	69.4	64.3		
27-Oct-10	19:00	Cloudy	67.8	70.5	63.5	67.5	62.6
	19:05		67.5	70.3	63.2		
	19:10		67.3	70.1	63.0		
31-Oct-10	10:30	Sunny	65.3	68.7	63.5	65.7	65.7 Measured $\leq$ Baseline
	10:35		66.0	69.0	63.8		
	10:40		65.7	68.8	63.3		

(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}
3-Oct-10	9:45	Sunny	62.5	65.0	61.0	62.4	59.7
	9:50		62.4	65.0	61.0		
	9:55		62.4	65.0	61.0		
5-Oct-10	19:35	Cloudy	65.9	68.6	61.8	65.7	64.6
	19:40		66.0	68.7	62.0		
	19:45		66.1	68.6	62.1		
10-Oct-10	9:40	Cloudy	63.3	65.5	60.5	63.2	61.1
	9:45		63.0	65.0	66.0		
	9:50		63.3	65.5	66.0		
11-Oct-10	19:40	Cloudy	65.8	68.4	60.9	65.6	64.5
	19:45		65.7	68.2	60.7		
	19:50		65.4	68.0	60.4		
17-Oct-10	9:45	Sunny	62.6	65.4	61.2	62.4	59.7
	9:50		62.7	65.4	61.3		
	9:55		62.0	65.0	60.7		
21-Oct-10	19:40	Cloudy	61.9	64.8	60.0	62.6	60.0
	19:45		61.8	65.3	60.7		
	19:50		63.7	65.3	60.8		
24-Oct-10	11:15	Sunny	62.7	65.0	61.5	63.2	61.1
	11:20		63.6	65.3	61.9		
	11:25		63.3	65.3	61.8		
27-Oct-10	19:35	Cloudy	62.6	68.6	60.7	62.2	59.3
	19:40		62.0	68.5	60.4		
	19:45		62.1	68.6	60.6		
31-Oct-10	11:20	Sunny	61.6	65.3	59.0	61.5	57.8
	11:25		61.7	65.3	59.0		
	11:30		61.2	65.0	58.7		

(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}
3-Oct-10	11:00	Sunny	52.0	55.0	50.0	52.2	52.2 Measured $\leq$ Baseline
	11:05		52.2	55.0	50.0		
	11:10		52.3	55.0	50.0		
5-Oct-10	20:20	Cloudy	50.1	52.2	47.7	50.2	50.2 Measured $\leq$ Baseline
	20:05		50.2	52.2	47.8		
	20:10		50.2	52.3	47.6		
10-Oct-10	11:00	Cloudy	51.7	53.5	49.0	51.4	51.4 Measured $\leq$ Baseline
	11:05		51.6	53.5	49.0		
	11:10		51.0	53.0	48.5		
11-Oct-10	20:30	Cloudy	49.7	51.9	47.0	49.6	49.6 Measured $\leq$ Baseline
	20:35		49.6	51.7	46.9		
	20:40		49.4	51.4	46.7		
17-Oct-10	11:05	Sunny	52.1	55.2	50.0	52.4	52.4 Measured $\leq$ Baseline
	11:10		52.6	55.5	50.4		
	11:15		52.4	55.5	50.1		
21-Oct-10	20:45	Cloudy	54.1	56.2	52.2	54.2	43.6
	20:50		53.9	56.0	51.7		
	20:55		54.6	56.5	52.4		
24-Oct-10	13:00	Sunny	51.5	52.9	50.0	51.5	51.5 Measured $\leq$ Baseline
	13:05		51.6	52.6	50.1		
	13:10		51.3	52.3	49.9		
27-Oct-10	20:20	Cloudy	50.0	52.1	47.8	50.0	50.0 Measured $\leq$ Baseline
	20:25		50.1	52.3	47.9		
	20:30		49.8	50.0	47.7		
31-Oct-10	13:00	Sunny	51.7	53.5	48.6	52.0	52.0 Measured $\leq$ Baseline
	13:05		51.9	53.7	48.8		
	13:10		52.4	54.2	49.0		

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}
5-Oct-10	23:25	Cloudy	54.7	58.0	51.0	55.1	60.7
	23:30		55.0	58.5	51.5		
	23:34		55.5	58.5	52.0		
11-Oct-10	23:25	Cloudy	53.6	55.3	51.1	53.6	60.7
	23:30		53.7	56.0	51.3		
	23:35		53.6	55.8	51.2		
27-Oct-10	23:25	Cloudy	55.9	57.3	54.2	56.0	60.7
	23:30		56.1	57.8	54.4		
	23:35		56.0	57.8	54.5		

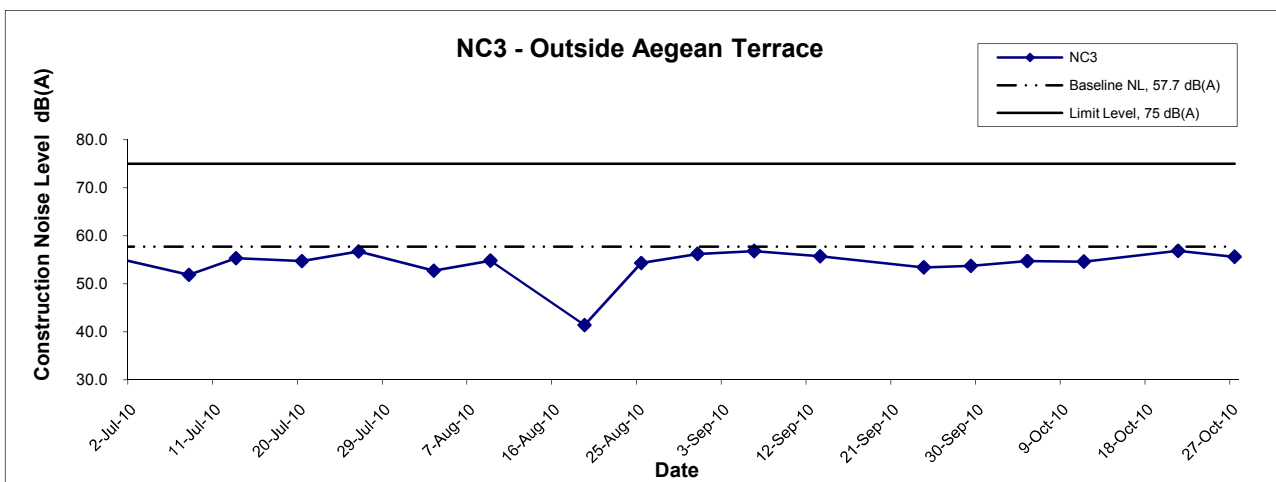
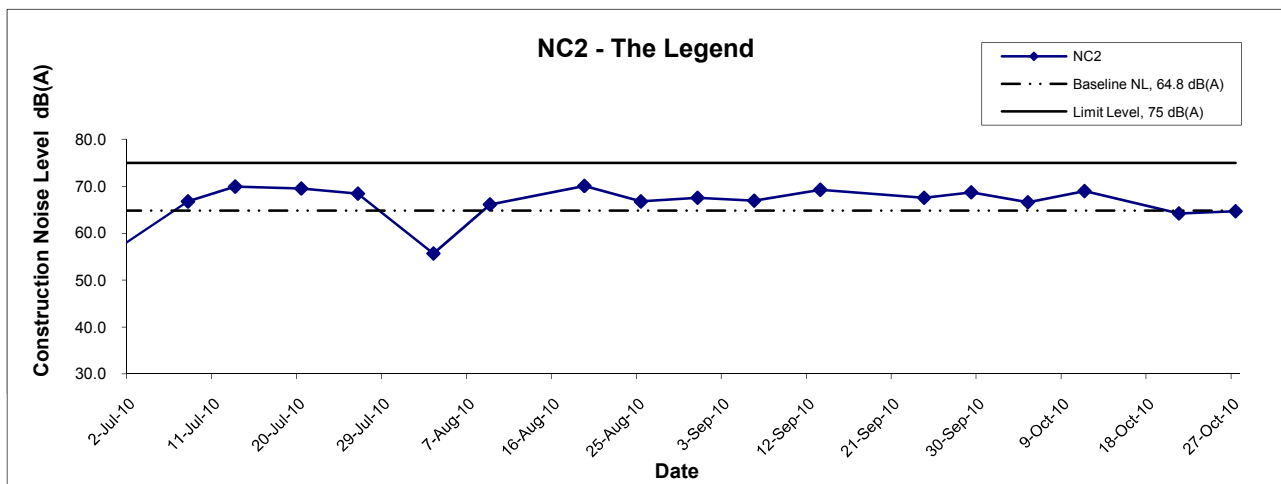
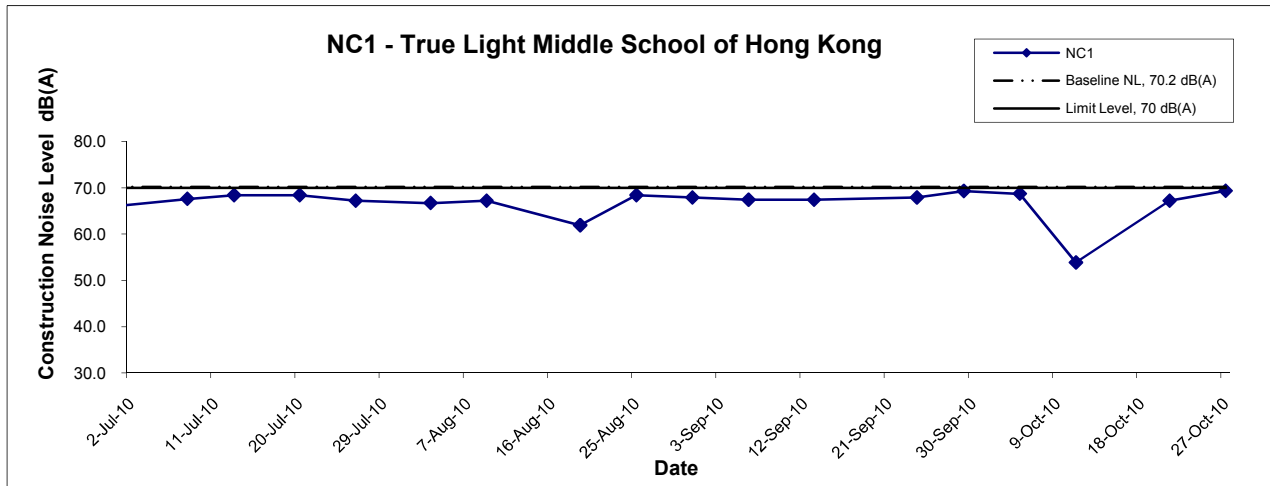
(Restricted Hours - 23:00 to 07:00 on all days)

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}
5-Oct-10	23:00	Cloudy	52.3	55.0	50.0	52.3	53.9
	23:05		52.5	55.5	50.0		
	23:10		52.0	55.0	50.0		
11-Oct-10	23:00	Cloudy	52.6	55.3	51.0	52.7	53.9
	23:05		52.6	55.1	51.0		
	23:10		52.9	55.5	51.4		
27-Oct-10	23:00	Cloudy	51.7	54.7	50.0	52.2	53.9
	23:05		52.3	55.0	50.6		
	23:10		52.5	55.3	50.7		

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

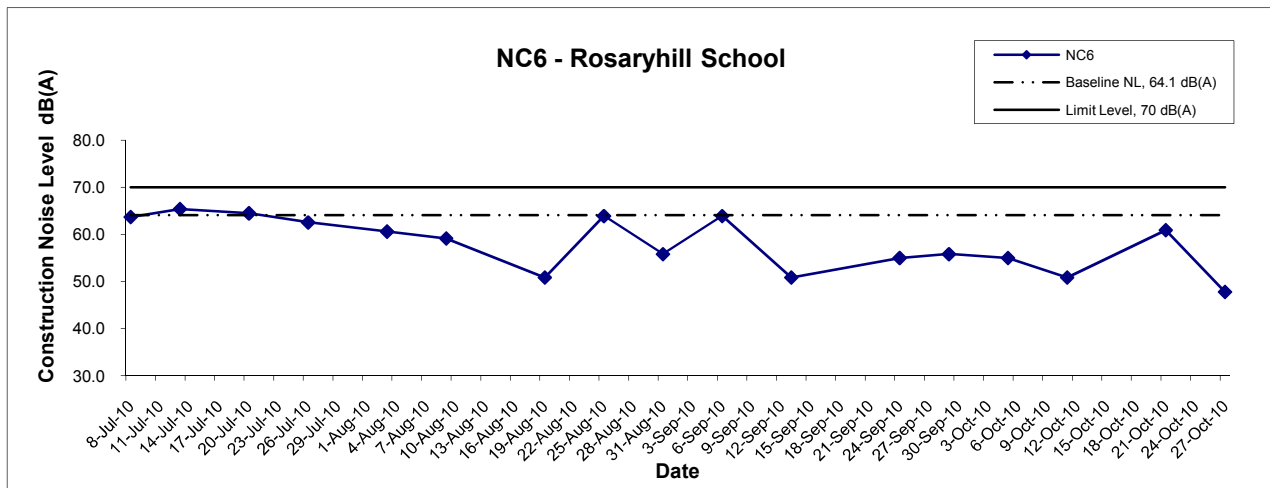
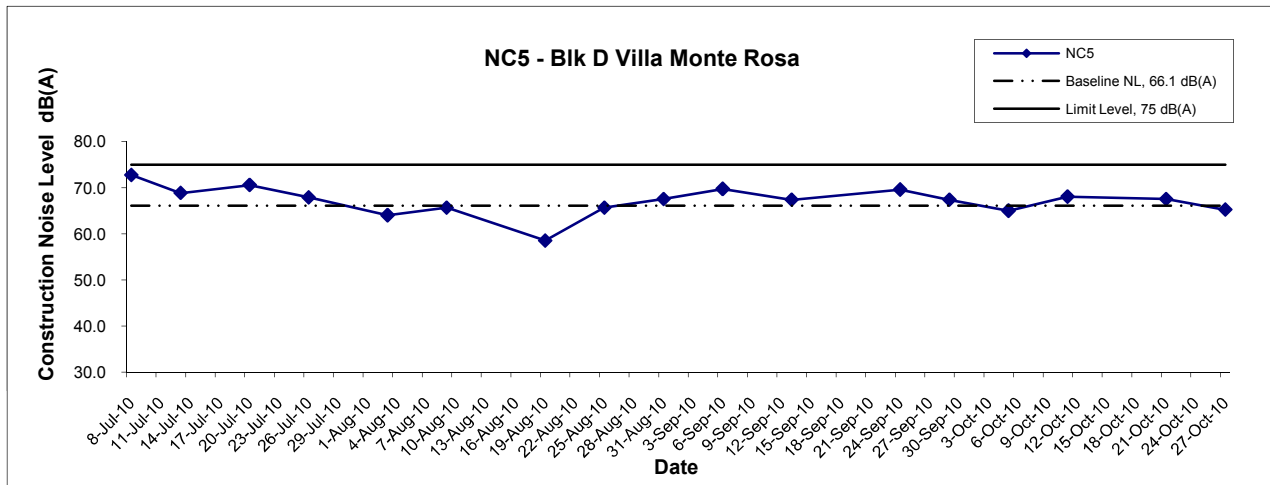
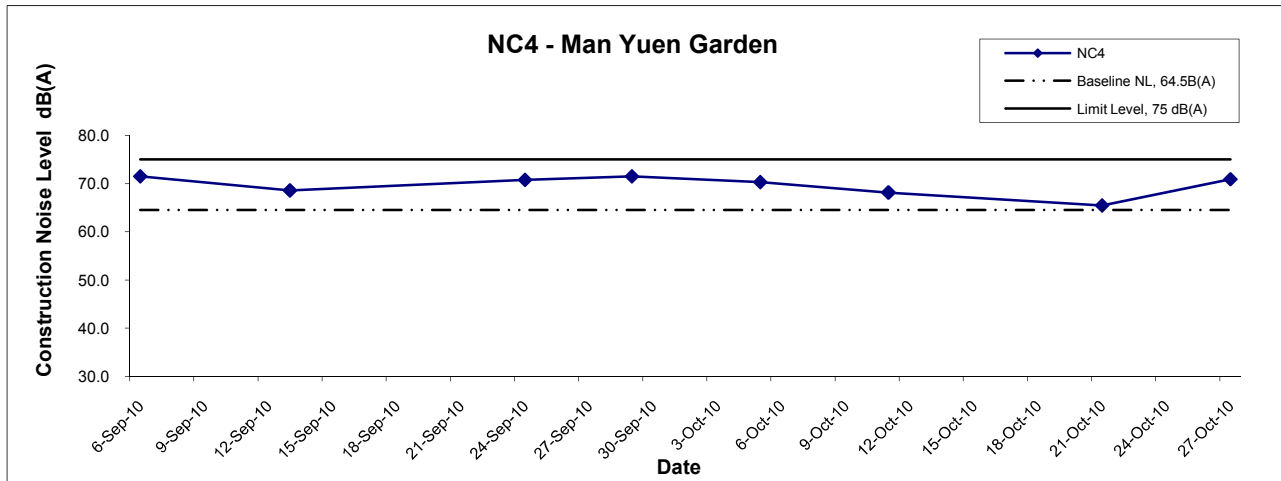
Location NC3 - Outside Aegean Terrace							
Date	Time	Weather	dB (A) (5-min)			Baseline Level	Construction Noise Level
			L_{eq}	L_{10}	L_{90}	Average L_{eq}	L_{eq}
6-Oct-10	00:25	Cloudy	49.8	53.0	47.0	50.0	52.0
	00:30		50.1	53.0	47.0		
	00:35		50.1	53.0	47.0		
12-Oct-10	00:25	Cloudy	49.3	51.6	47.2	49.5	52.0
	00:30		49.7	52.1	47.9		
	00:35		49.5	52.0	47.7		
28-Oct-10	00:25	Cloudy	48.7	53.0	47.0	49.3	52.0
	00:30		49.3	53.6	47.7		
	00:35		49.9	53.7	47.9		

Noise Levels



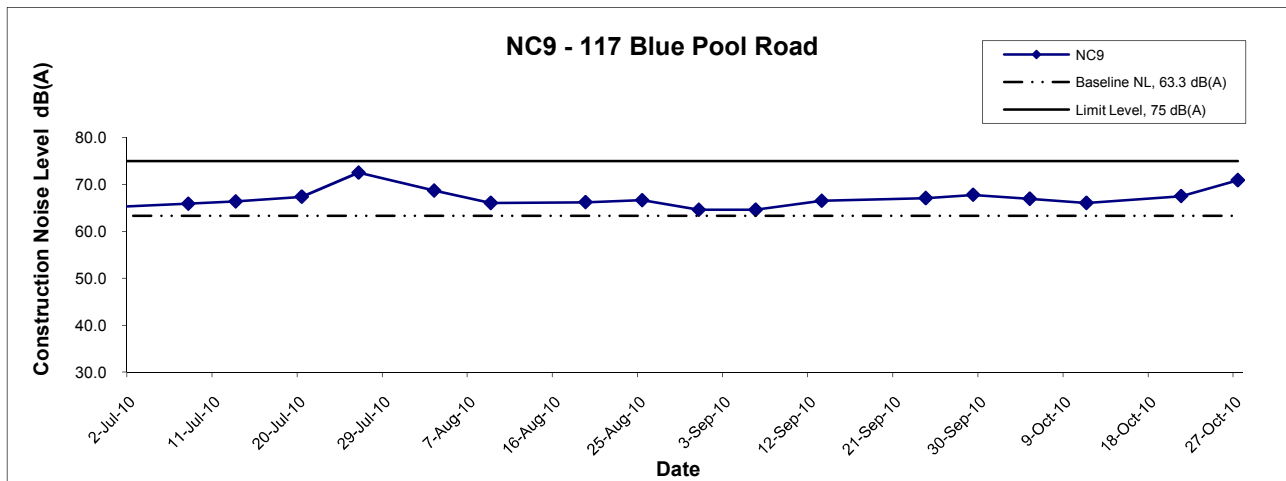
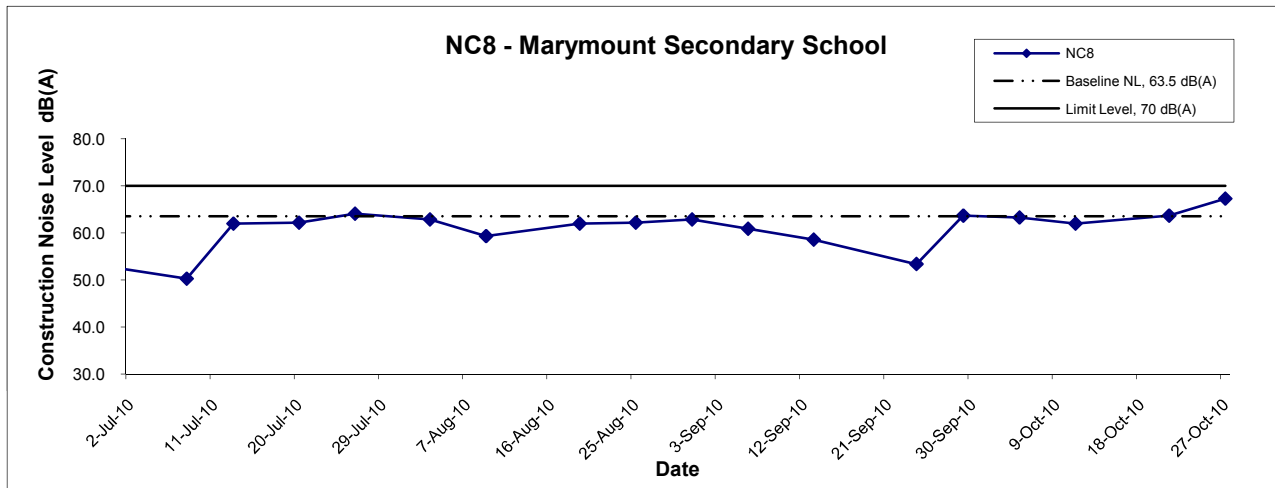
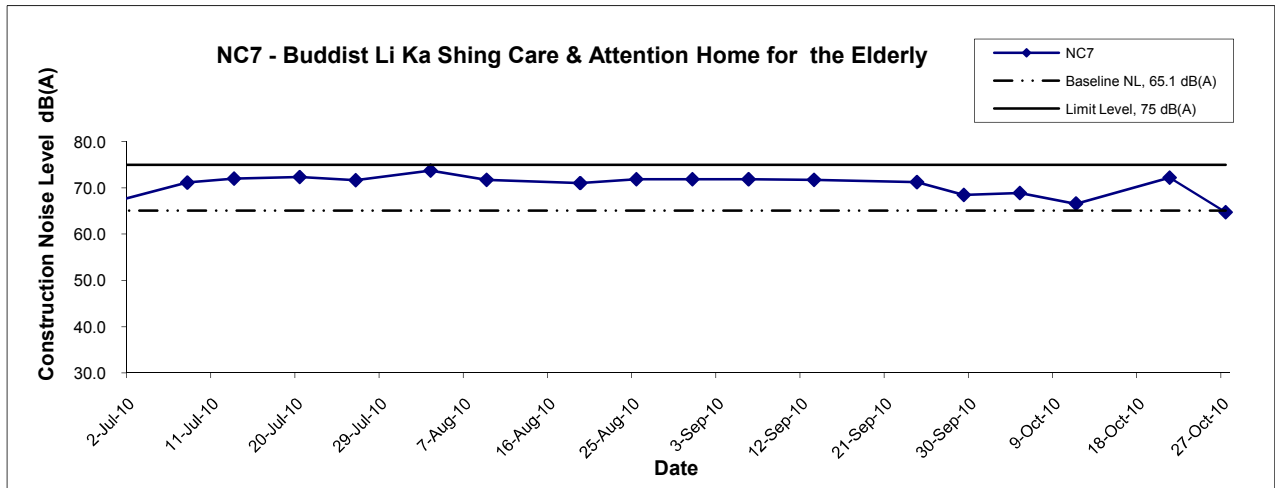
Title Contract No. DC/2007/10 Design and Construction of Hong Kong West Drainage Tunnel Graphical Presentation of Construction Noise Monitoring Results	Scale N.T.S	Project No. MA8001	
	Date Oct 10	Appendix G	

Noise Levels



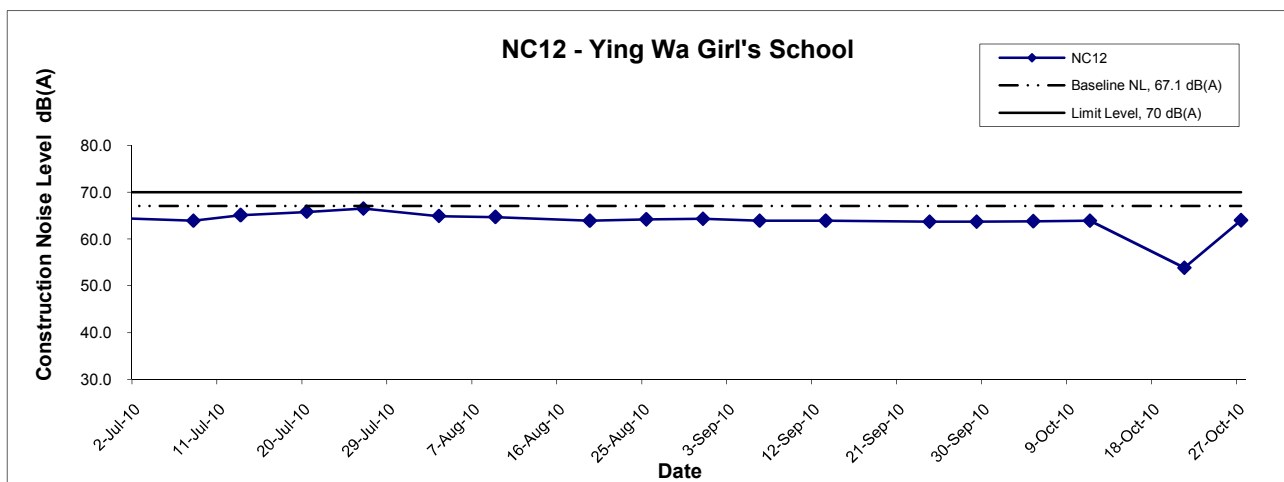
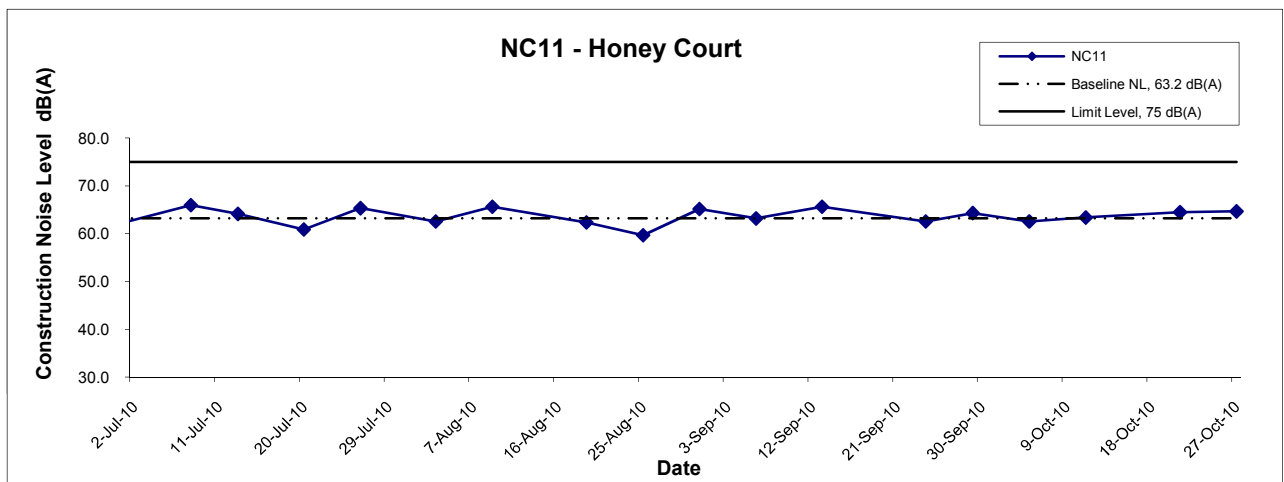
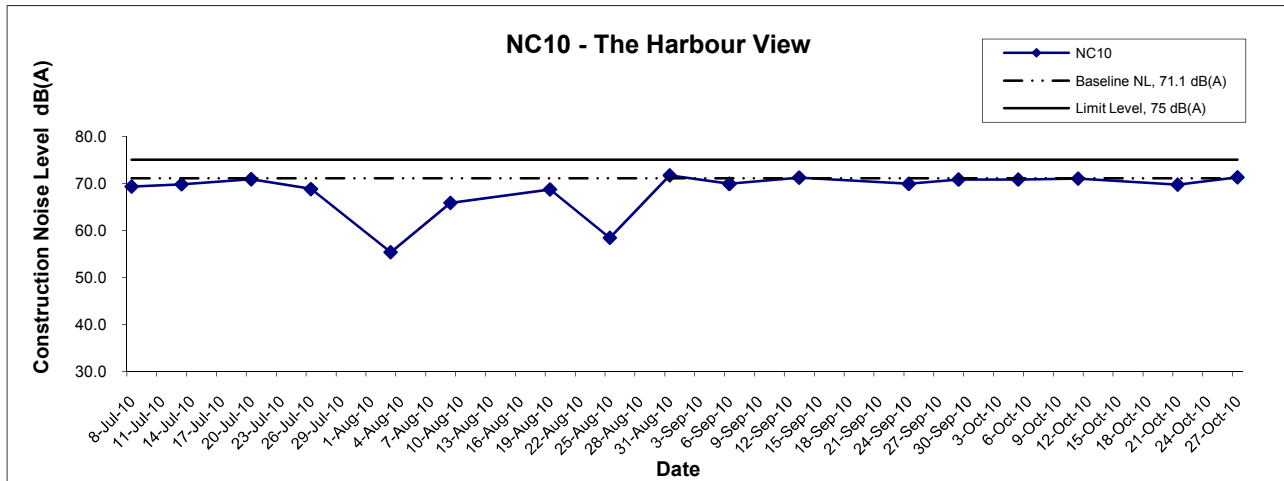
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	Date Oct 10	Appendix G	

Noise Levels



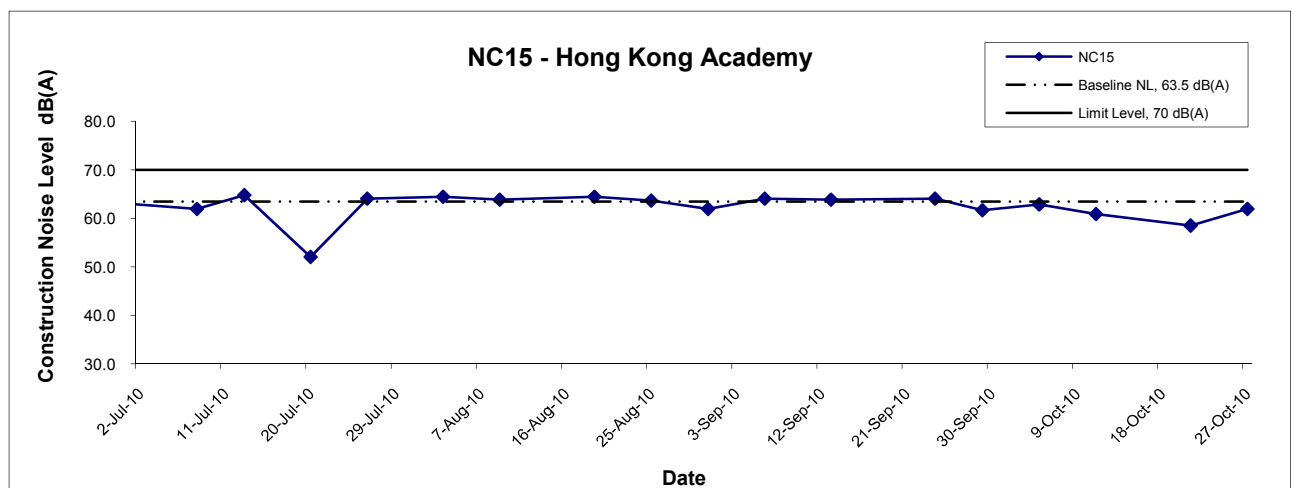
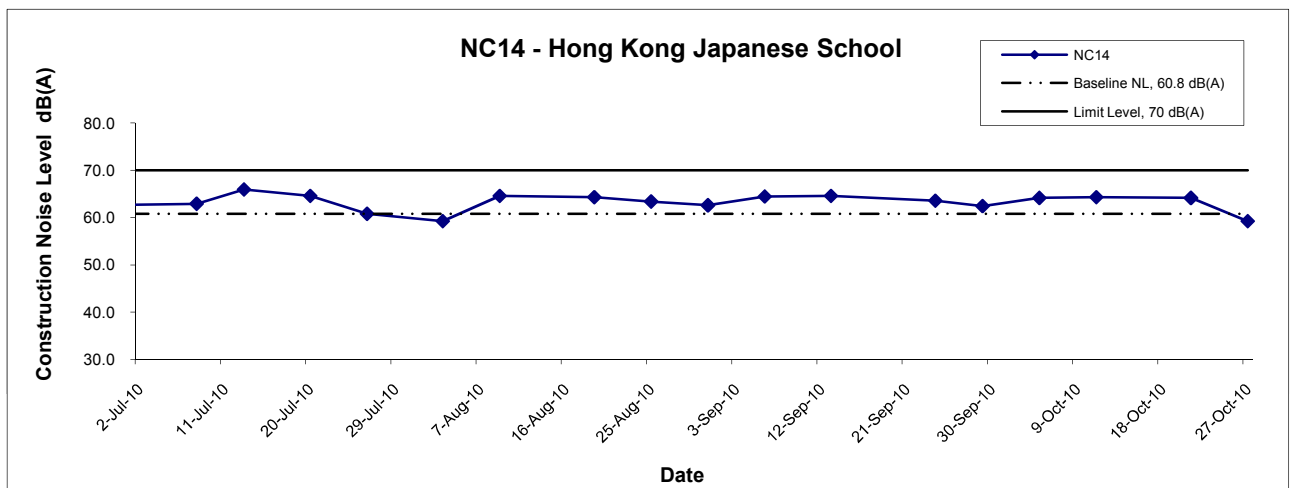
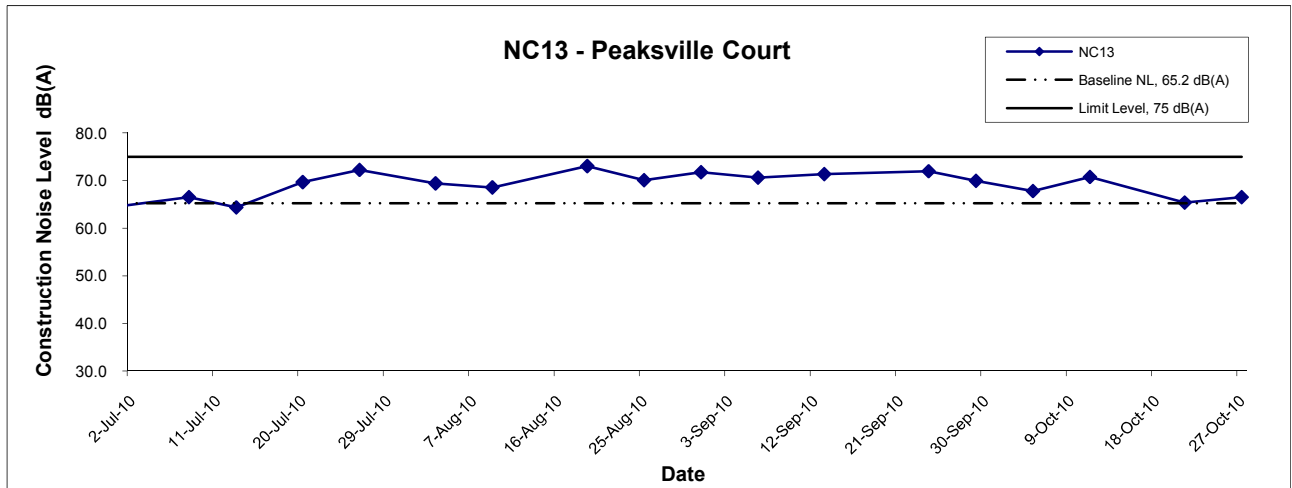
Title Contract No. DC/2007/10 Design and Construction of Hong Kong West Drainage Tunnel Graphical Presentation of Construction Noise Monitoring Results	Scale N.T.S	Project No. MA8001	
	Date Oct 10	Appendix G	

Noise Levels



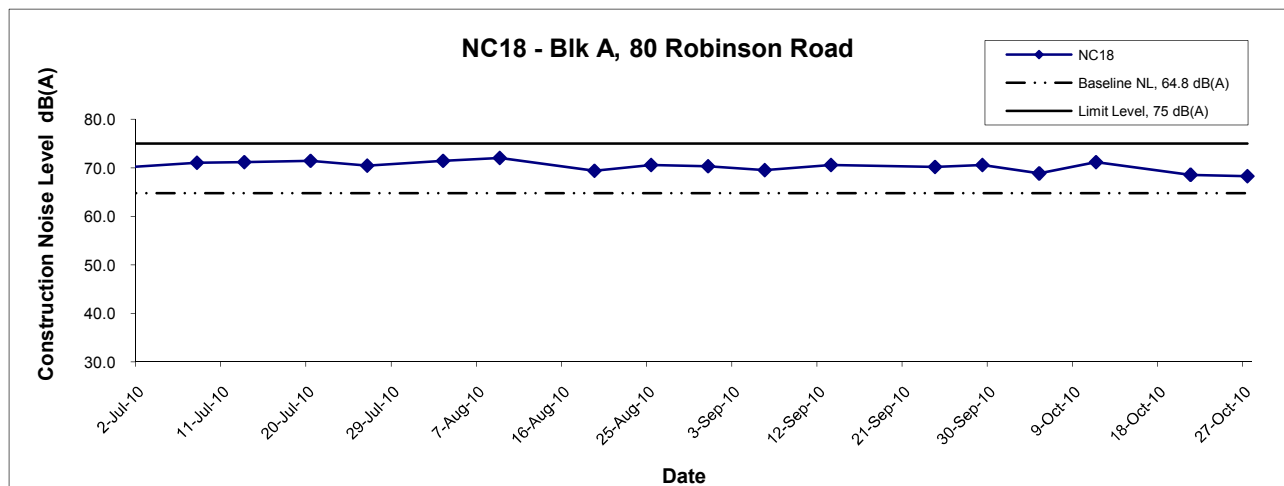
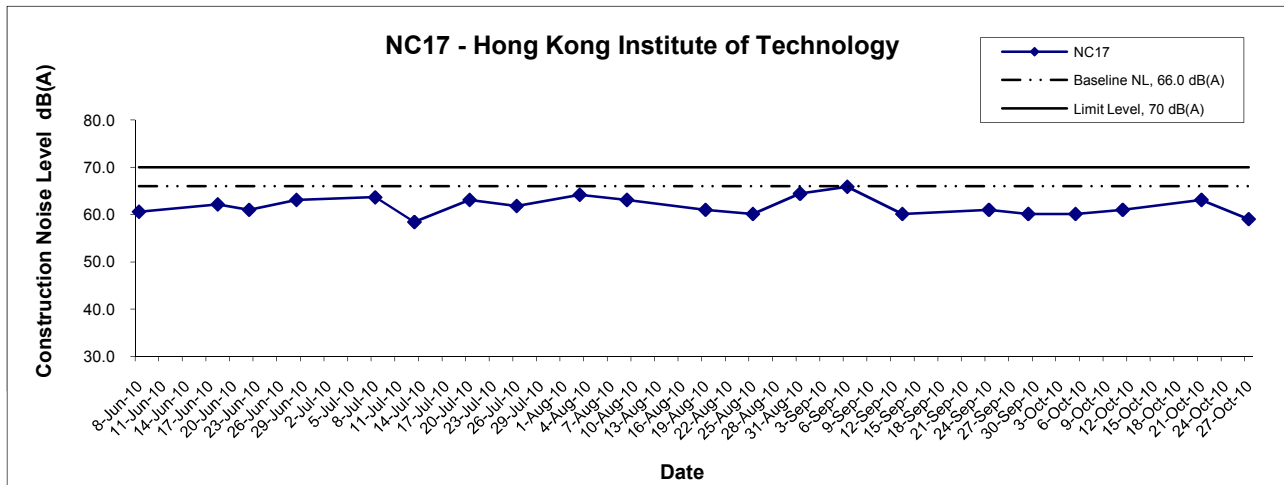
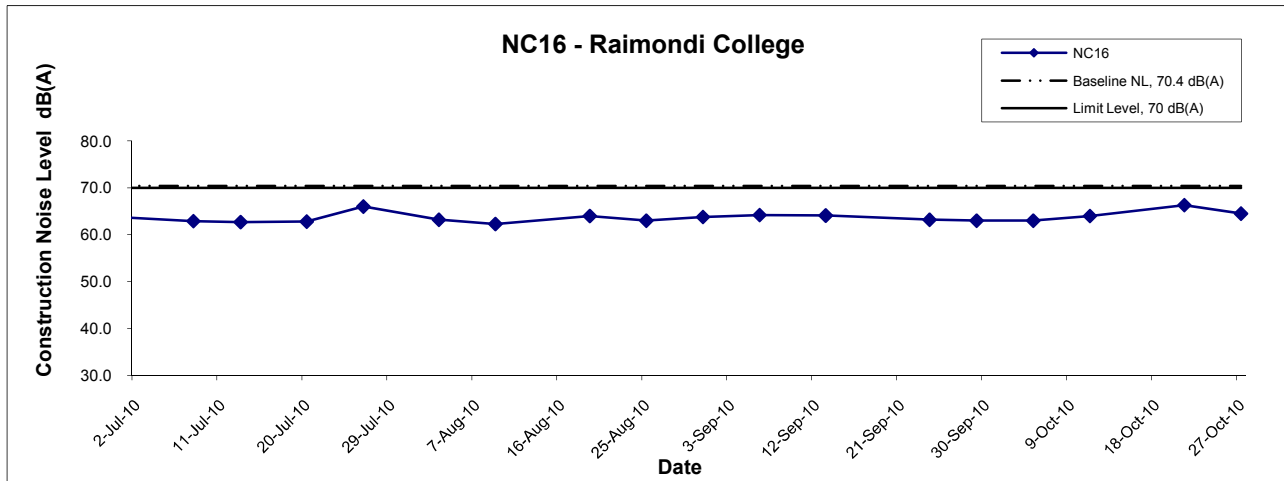
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	Design and Construction of Hong Kong West Drainage Tunnel	N.T.S	MA8001	
Graphical Presentation of Construction Noise Monitoring Results		Date	Appendix	
		Oct 10	G	

Noise Levels



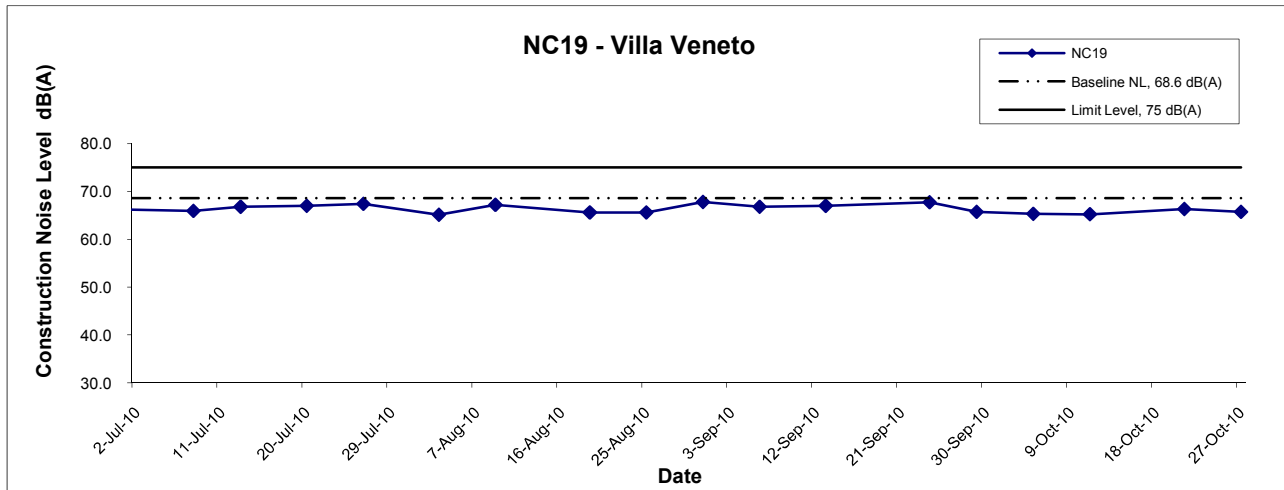
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Graphical Presentation of Construction Noise Monitoring Results		Date	Appendix	
		Oct 10	G	

Noise Levels



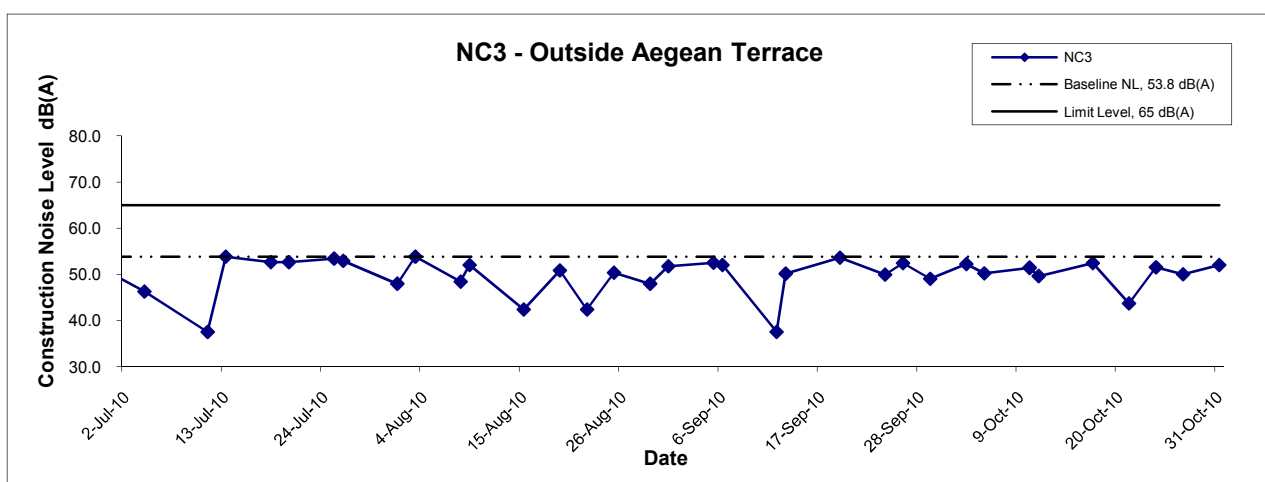
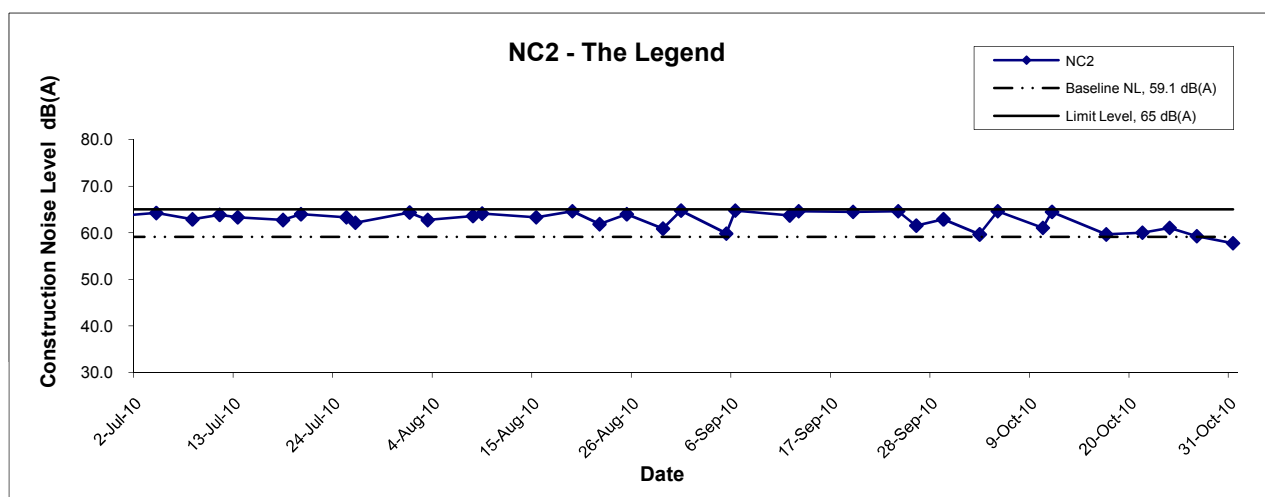
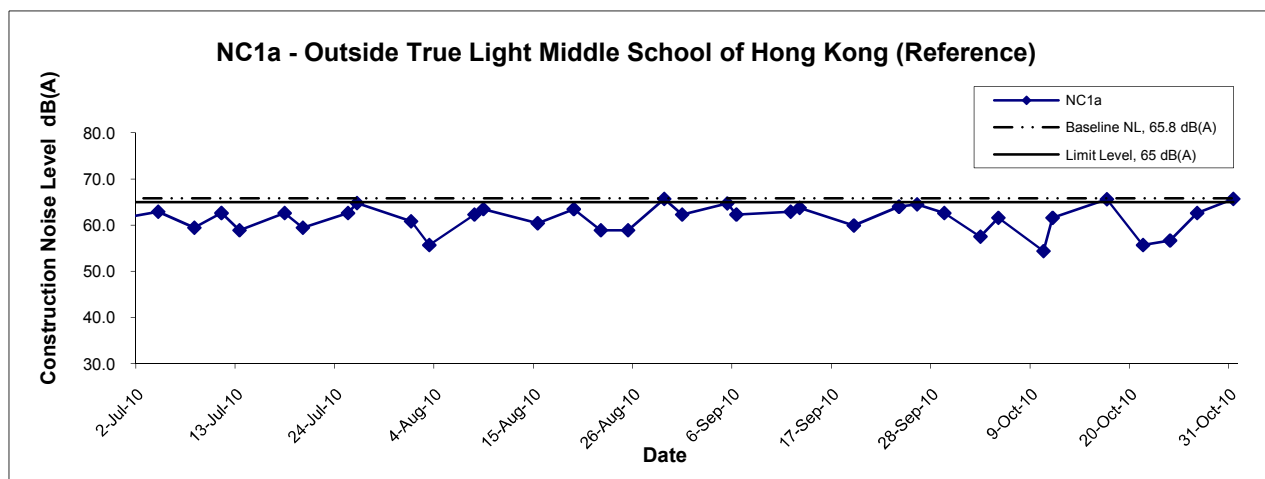
Title Contract No. DC/2007/10 Design and Construction of Hong Kong West Drainage Tunnel Graphical Presentation of Construction Noise Monitoring Results	Scale N.T.S	Project No. MA8001	
	Date Oct 10	Appendix G	

Noise Levels



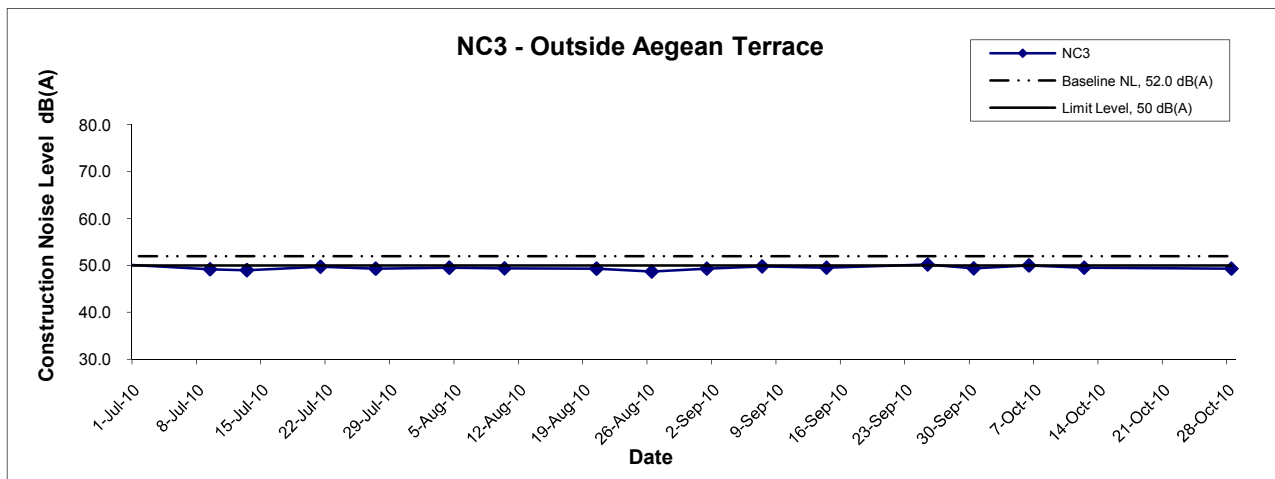
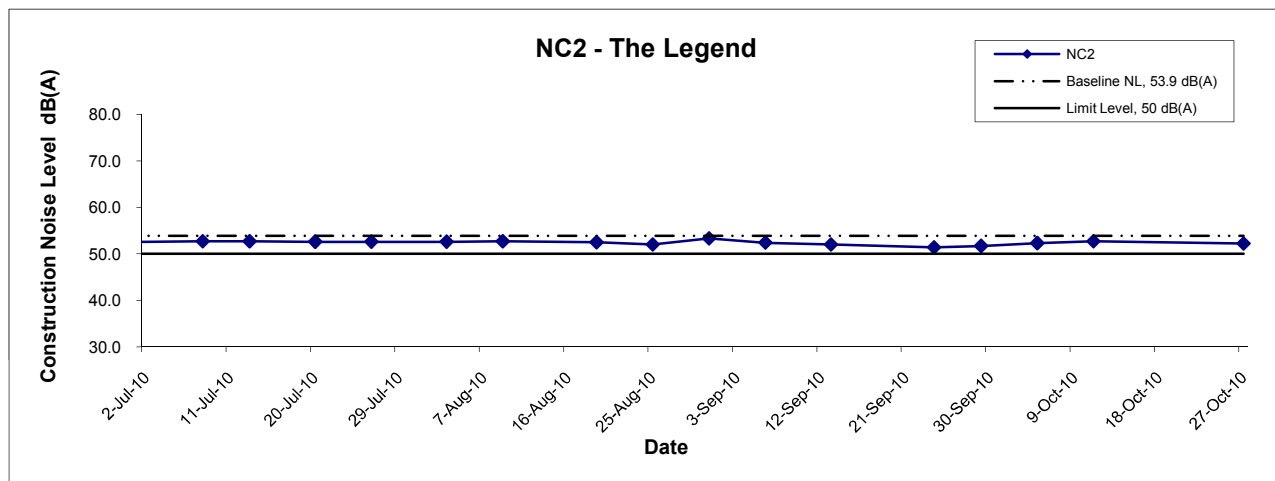
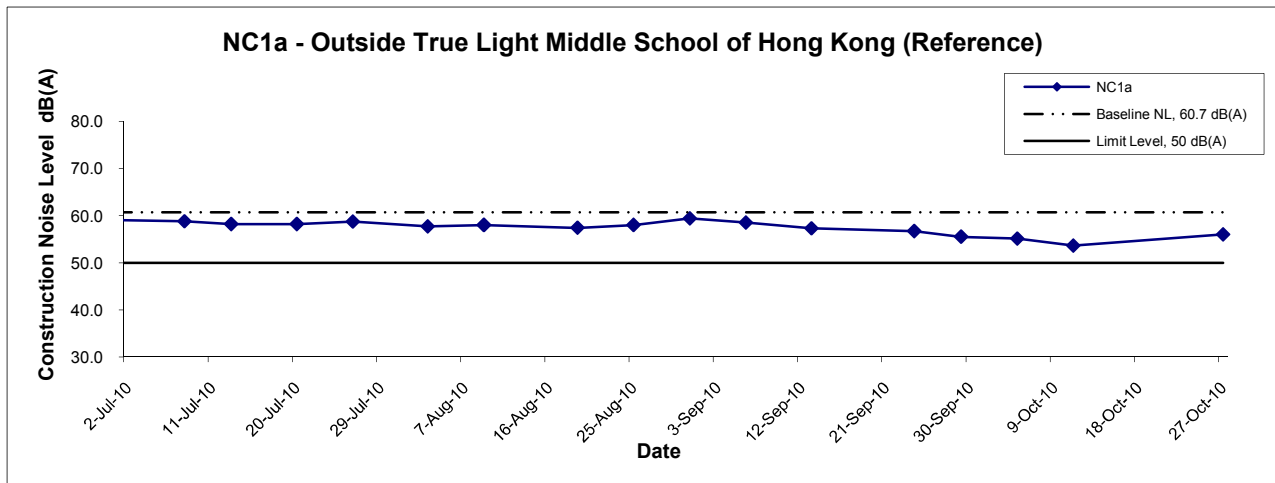
Title	Contract No. DC/2007/10 Design and Construction of Hong Kong West Drainage Tunnel Graphical Presentation of Construction Noise Monitoring Results	Scale	Project No.	CINOTECH
		N.T.S Date Oct 10	MA8001 Appendix G	

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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