

## 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 <sub>eq</sub>	L <sub>10</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>eq</sub>
6-Aug-09	9:10	Cloudy	67.9	71.2	63.8	70.2	67.9 Measured ≤ Baseline
12-Aug-09	9:45	Cloudy	65.3	68.0	62.5		65.3 Measured ≤ Baseline
21-Aug-09	14:30	Sunny	67.9	69.2	65.4		67.9 Measured ≤ Baseline
27-Aug-09	9:40	Sunny	66.3	68.0	63.5		66.3 Measured ≤ Baseline

Location NC2 - The Legend							
Date	Time	Weather	Unit: dB (A) (30-min)				
			Measured Noise Level			Baseline Level	Construction Noise Level
			L <sub>eq</sub>	L <sub>10</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>eq</sub>
6-Aug-09	10:35	Cloudy	67.5	70.4	62.9	64.8	64.2
12-Aug-09	11:10	Cloudy	66.7	68.5	63.5		62.2
21-Aug-09	13:45	Sunny	68.4	69.8	65.6		65.9
27-Aug-09	11:15	Sunny	67.6	69.0	64.0		64.4

Location NC3 - Outside Aegean Terrace							
Date	Time	Weather	Unit: dB (A) (30-min)				
			Measured Noise Level			Baseline Level	Construction Noise Level
			L <sub>eq</sub>	L <sub>10</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>eq</sub>
6-Aug-09	14:45	Sunny	56.8	59.5	52.4	57.7	56.8 Measured ≤ Baseline
12-Aug-09	14:20	Cloudy	52.7	54.0	50.5		52.7 Measured ≤ Baseline
21-Aug-09	10:05	Sunny	52.8	54.7	50.6		52.8 Measured ≤ Baseline
27-Aug-09	15:00	Sunny	53.8	55.0	52.0		53.8 Measured ≤ Baseline

Location NC15 - Hong Kong Academy							
Date	Time	Weather	Unit: dB (A) (30-min)				
			Measured Noise Level			Baseline Level	Construction Noise Level
			L <sub>eq</sub>	L <sub>10</sub>	L <sub>90</sub>	L <sub>eq</sub>	L <sub>eq</sub>
6-Aug-09	16:15	Sunny	65.0	67.8	61.8	63.5	59.7
12-Aug-09	13:00	Cloudy	65.8	67.5	63.0		61.9
21-Aug-09	16:15	Sunny	66.5	68.8	62.5		63.5
27-Aug-09	13:00	Sunny	66.1	67.5	63.0		62.6

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Location GNC1 - True Light Middle School of Hong Kong					
Date	Time	Weather	Unit: dB (A) (30-min)		
			Measured Noise Level		
			L <sub>eq</sub>	L <sub>10</sub>	L <sub>90</sub>
6-Aug-09	9:50	Cloudy	57.3	59.8	53.1
12-Aug-09	9:05	Cloudy	54.1	55.5	51.5
21-Aug-09	15:10	Sunny	55.6	57.2	51.5
27-Aug-09	9:00	Sunny	57.2	58.5	54.0

Location GNC2 - The Legend					
Date	Time	Weather	Unit: dB (A) (30-min)		
			Measured Noise Level		
			L <sub>eq</sub>	L <sub>10</sub>	L <sub>90</sub>
6-Aug-09	11:20	Cloudy	55.3	57.8	52.7
12-Aug-09	10:30	Cloudy	51.6	52.5	49.5
21-Aug-09	13:05	Sunny	53.2	54.3	50.5
27-Aug-09	10:30	sunny	53.3	55.0	51.5

Location GNC4 - Crane Court					
Date	Time	Weather	Unit: dB (A) (30-min)		
			Measured Noise Level		
			L <sub>eq</sub>	L <sub>10</sub>	L <sub>90</sub>
6-Aug-09	14:00	Sunny	54.7	57.3	50.9
12-Aug-09	15:15	Cloudy	50.2	51.0	49.0
21-Aug-09	9:20	Sunny	50.3	51.8	49.4
27-Aug-09	14:10	Cloudy	49.8	50.5	49.0

**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 <sub>eq</sub>	(Reference) Baseline Level	(Reference) Construction Noise Level, L <sub>eq</sub>								
			L <sub>eq</sub>	L <sub>10</sub>	L <sub>90</sub>		L <sub>eq</sub>	L <sub>eq</sub>								
2-Aug-09	10:10	Sunny	63.9	66.5	56.0	64.3	65.8	64.3 Measured ≤ Baseline								
	10:15		64.2	67.0	56.0											
	10:20		64.8	67.5	57.0											
6-Aug-09	19:00	Cloudy	67.2	69.8	63.6	67.4		65.8	62.3							
	19:05		67.4	70.1	63.5											
	19:10		67.5	70.1	63.6											
9-Aug-09	10:55	Sunny	67.4	68.9	63.6	67.4			65.8	62.3						
	11:00		66.9	68.8	63.4											
	11:05		67.9	69.4	64.0											
12-Aug-09	19:00	Cloudy	67.1	68.5	63.5	67.1				65.8	61.2					
	19:05		66.8	68.5	63.5											
	19:10		67.3	68.5	63.5											
16-Aug-09	10:25	Sunny	67.3	69.5	64.3	67.4					65.8	62.3				
	10:30		67.3	69.6	64.5											
	10:35		67.5	69.8	64.5											
21-Aug-09	20:30	Cloudy	66.8	68.7	61.5	66.7						65.8	59.4			
	20:35		66.5	68.9	61.5											
	20:40		66.8	69.0	62.2											
23-Aug-09	09:20	Sunny	67.8	70.2	65.4	67.6							65.8	62.9		
	09:25		67.5	69.8	65.0											
	09:30		67.6	69.9	65.0											
27-Aug-09	19:00	Cloudy	67.8	68.5	63.5	67.4								65.8	62.3	
	19:05		67.2	68.5	63.0											
	19:10		67.3	68.5	63.5											
30-Aug-09	09:15	Cloudy	66.9	68.5	64.0	67.0									65.8	60.8
	09:20		67.4	69.0	64.5											
	09:25		66.7	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 <sub>eq</sub>	Baseline Level	Construction Noise Level								
			L <sub>eq</sub>	L <sub>10</sub>	L <sub>90</sub>		L <sub>eq</sub>	L <sub>eq</sub>								
2-Aug-09	10:50	Sunny	58.6	62.0	54.0	58.4	59.1	58.4 Measured ≤ Baseline								
	10:55		58.2	61.5	54.0											
	11:00		58.3	61.5	54.0											
6-Aug-09	19:30	Cloudy	63.7	66.6	60.2	63.7		59.1	61.9							
	19:35		63.8	66.5	60.3											
	19:40		63.5	66.3	60.0											
9-Aug-09	10:05	Sunny	64.3	66.2	62.5	64.3			59.1	62.7						
	10:10		64.4	66.3	62.0											
	10:15		64.3	66.5	62.4											
12-Aug-09	19:30	Cloudy	63.9	65.0	61.5	63.7				59.1	61.9					
	19:35		63.6	65.0	61.5											
	19:40		63.6	65.0	61.5											
16-Aug-09	9:30	Sunny	64.7	65.5	62.2	64.9					59.1	63.6				
	9:35		64.9	65.7	62.5											
	9:40		65.0	66.2	62.8											
21-Aug-09	20:55	Cloudy	59.7	62.3	55.5	60.3						59.1	54.1			
	21:00		60.8	63.7	56.2											
	21:05		60.2	63.3	56.5											
23-Aug-09	09:50	Sunny	63.7	65.6	60.8	63.8							59.1	62.0		
	09:55		64.1	66.2	61.2											
	10:00		63.5	65.8	60.8											
27-Aug-09	19:30	Cloudy	63.8	64.5	60.5	63.7								59.1	61.9	
	19:35		63.6	65.0	61.0											
	19:40		63.6	64.5	61.0											
30-Aug-09	10:00	Cloudy	64.4	66.0	60.5	64.2									59.1	62.6
	10:05		63.9	65.5	60.0											
	10:10		64.2	65.5	60.0											

(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 <sub>eq</sub>	Baseline Level	Construction Noise Level								
			L <sub>eq</sub>	L <sub>10</sub>	L <sub>90</sub>		L <sub>eq</sub>	L <sub>eq</sub>								
2-Aug-09	13:00	Sunny	51.4	55.0	47.0	51.9	53.8	51.9 Measured ≤ Baseline								
	13:05		51.8	55.5	47.5											
	13:10		52.4	56.0	47.5											
6-Aug-09	21:15	Cloudy	51.4	54.5	48.3	51.8		53.8	51.8 Measured ≤ Baseline							
	21:20		51.8	54.6	48.4											
	21:25		52.1	54.9	48.7											
9-Aug-09	13:05	Sunny	52.3	53.2	48.7	51.2			53.8	51.2 Measured ≤ Baseline						
	13:10		50.4	52.5	48.5											
	13:15		50.8	52.7	48.5											
12-Aug-09	21:15	Cloudy	49.8	50.5	49.0	49.8				53.8	49.8 Measured ≤ Baseline					
	21:20		49.8	50.5	49.0											
	21:25		49.7	50.5	49.0											
16-Aug-09	13:30	Sunny	50.4	51.8	49.0	50.5					53.8	50.5 Measured ≤ Baseline				
	13:35		50.6	52.0	49.2											
	13:40		50.5	52.0	49.0											
21-Aug-09	19:00	Cloudy	51.7	53.2	49.0	51.5						53.8	51.5 Measured ≤ Baseline			
	19:05		51.5	53.0	49.0											
	19:10		51.2	52.7	48.7											
23-Aug-09	13:50	Sunny	51.8	53.3	49.0	51.2							53.8	51.2 Measured ≤ Baseline		
	13:55		51.2	52.7	48.7											
	14:00		50.5	52.3	48.5											
27-Aug-09	21:15	Cloudy	49.7	50.5	49.0	49.9								53.8	49.9 Measured ≤ Baseline	
	21:20		50.1	57.0	49.0											
	21:25		49.8	50.5	49.0											
30-Aug-09	13:50	Cloudy	51.2	53.5	49.0	51.3									53.8	51.3 Measured ≤ Baseline
	13:55		51.8	53.5	49.5											
	14:00		50.8	53.0	48.5											

**Appendix G - Noise Monitoring Results**

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

Location GNC2 - The Legend						
Date	Time	Weather	dB (A) (5-min)			Average L <sub>eq</sub>
			L <sub>eq</sub>	L <sub>10</sub>	L <sub>90</sub>	
2-Aug-09	11:15	Sunny	54.1	55.5	52.0	53.4
	11:20		52.7	54.0	51.0	
	11:25		53.2	54.5	51.5	
6-Aug-09	19:55	Cloudy	51.7	53.0	49.0	51.6
	20:00		51.6	53.0	49.0	
	20:05		51.6	53.0	49.0	
9-Aug-09	10:30	Sunny	52.3	53.1	49.5	51.9
	10:35		51.6	52.7	49.2	
	10:40		51.7	52.8	49.0	
12-Aug-09	19:55	Cloudy	51.1	52.0	50.0	50.9
	20:00		50.8	52.0	50.0	
	20:05		50.8	52.0	50.0	
16-Aug-09	9:55	Sunny	51.4	52.5	50.2	51.6
	10:00		51.5	52.6	50.4	
	10:05		51.8	52.7	50.5	
21-Aug-09	21:20	Cloudy	49.3	50.5	48.0	49.9
	21:25		49.6	50.8	48.3	
	21:30		50.6	51.4	49.2	
23-Aug-09	10:10	Sunny	51.0	53.0	50.2	51.8
	10:15		52.6	53.8	50.5	
	10:20		51.8	53.4	50.5	
27-Aug-09	19:55	Cloudy	50.8	52.0	49.5	50.8
	20:00		50.7	51.5	49.5	
	20:05		50.8	52.0	49.5	
30-Aug-09	9:40	Cloudy	52.4	54.0	50.5	52.6
	9:45		52.8	54.5	50.5	
	9:50		52.6	54.0	50.0	

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

Location GNC4 - Crane Court						
Date	Time	Weather	dB (A) (5-min)			Average L <sub>eq</sub>
			L <sub>eq</sub>	L <sub>10</sub>	L <sub>90</sub>	
2-Aug-09	13:40	Sunny	49.2	50.5	47.0	49.0
	13:45		48.9	50.0	47.0	
	13:50		48.8	50.0	47.0	
6-Aug-09	20:45	Cloudy	50.3	52.6	47.5	50.5
	20:50		50.5	52.8	47.7	
	20:55		50.6	52.8	47.9	
9-Aug-09	13:30	Sunny	48.9	49.7	47.8	49.1
	13:35		48.9	50.0	48.3	
	13:40		49.5	50.2	48.5	
12-Aug-09	20:45	Cloudy	49.3	50.0	48.5	49.2
	20:50		49.1	50.0	48.5	
	20:55		49.1	50.0	48.5	
16-Aug-09	13:00	Sunny	49.7	50.8	48.8	49.6
	13:05		49.5	50.4	49.0	
	13:10		49.6	50.8	49.3	
21-Aug-09	19:30	Cloudy	49.4	50.6	48.2	49.8
	19:35		50.2	51.9	48.5	
	19:40		49.8	50.8	48.4	
23-Aug-09	23:15	Sunny	48.6	49.8	46.9	48.8
	23:20		48.5	49.8	47.3	
	23:25		49.2	50.4	47.8	
27-Aug-09	20:45	Cloudy	48.4	49.0	47.5	48.3
	20:50		48.3	49.0	47.5	
	20:55		48.3	49.0	47.5	
30-Aug-09	13:10	Cloudy	48.8	50.5	47.0	48.9
	13:15		48.4	50.0	46.5	
	13:20		49.4	50.5	47.5	

**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 <sub>eq</sub>			
			L <sub>eq</sub>	L <sub>10</sub>	L <sub>90</sub>	Average L <sub>eq</sub>	L <sub>eq</sub>				
6-Aug-09	23:25	Cloudy	60.3	63.2	58.4	60.1	60.7	60.1 Measured ≤ Baseline			
	23:30		59.8	62.6	58.0						
	23:35		60.2	62.9	58.6						
13-Aug-09	00:15	Fine	59.2	62.5	53.5	59.4		60.7	59.4 Measured ≤ Baseline		
	00:20		59.4	63.0	54.0						
	00:25		59.5	63.0	54.5						
21-Aug-09	23:25	Cloudy	60.4	63.6	58.7	60.2			60.7	60.2 Measured ≤ Baseline	
	23:30		59.9	63.4	58.0						
	23:35		60.3	63.8	59.0						
27-Aug-09	23:25	Cloudy	59.4	62.5	58.0	59.1				60.7	59.1 Measured ≤ Baseline
	23:30		59.2	62.0	57.5						
	23:35		58.8	61.5	57.5						

(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 <sub>eq</sub>	L <sub>10</sub>	L <sub>90</sub>	Average L <sub>eq</sub>	L <sub>eq</sub>	L <sub>eq</sub>			
6-Aug-09	23:00	Cloudy	53.8	55.4	50.5	53.4	53.9	53.4 Measured ≤ Baseline			
	23:05		53.6	56.2	51.0						
	23:10		52.8	55.2	50.5						
12-Aug-09	23:45	Fine	52.9	56.0	49.5	53.2		53.9	53.2 Measured ≤ Baseline		
	23:50		53.2	56.0	50.0						
	23:55		53.6	56.5	50.0						
21-Aug-09	23:00	Cloudy	53.4	55.5	50.5	53.4			53.9	53.4 Measured ≤ Baseline	
	23:05		53.1	54.8	50.3						
	23:10		53.6	55.5	50.8						
27-Aug-09	23:00	Cloudy	53.2	55.5	50.0	53.2				53.9	53.2 Measured ≤ Baseline
	23:05		53.6	55.5	50.0						
	23:10		52.8	55.0	49.5						

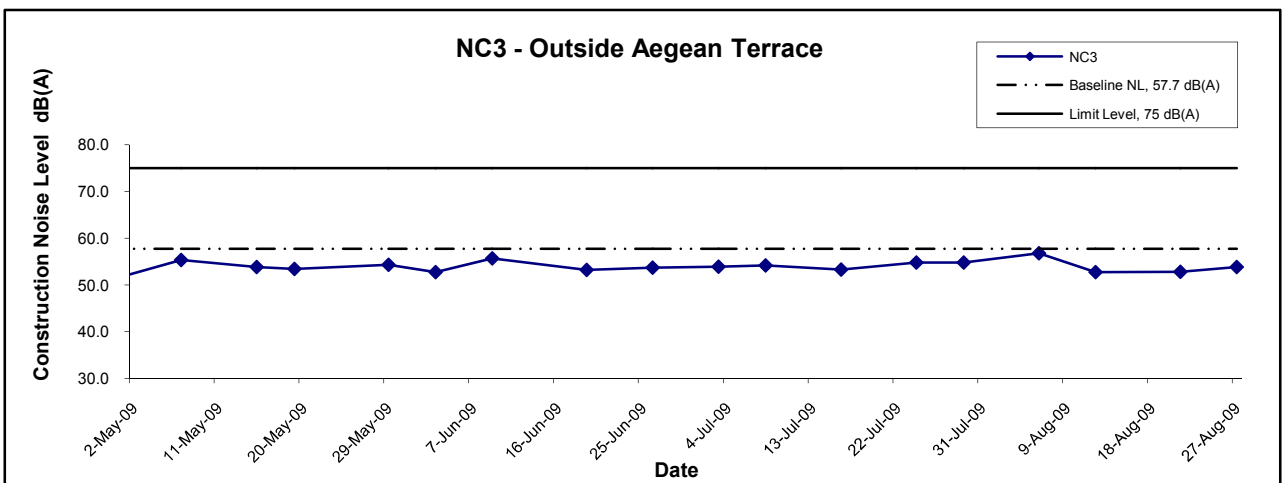
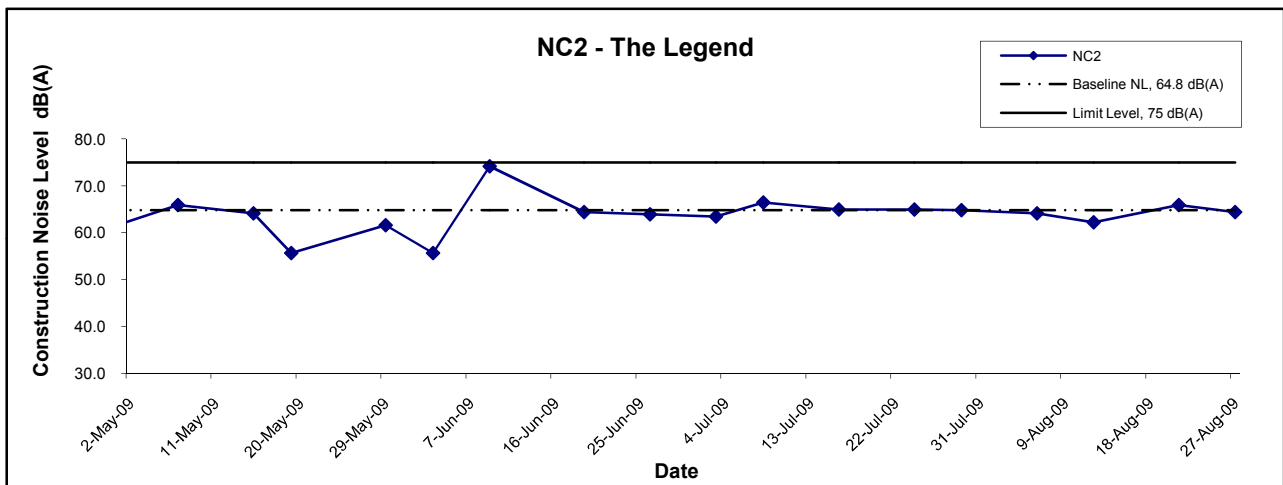
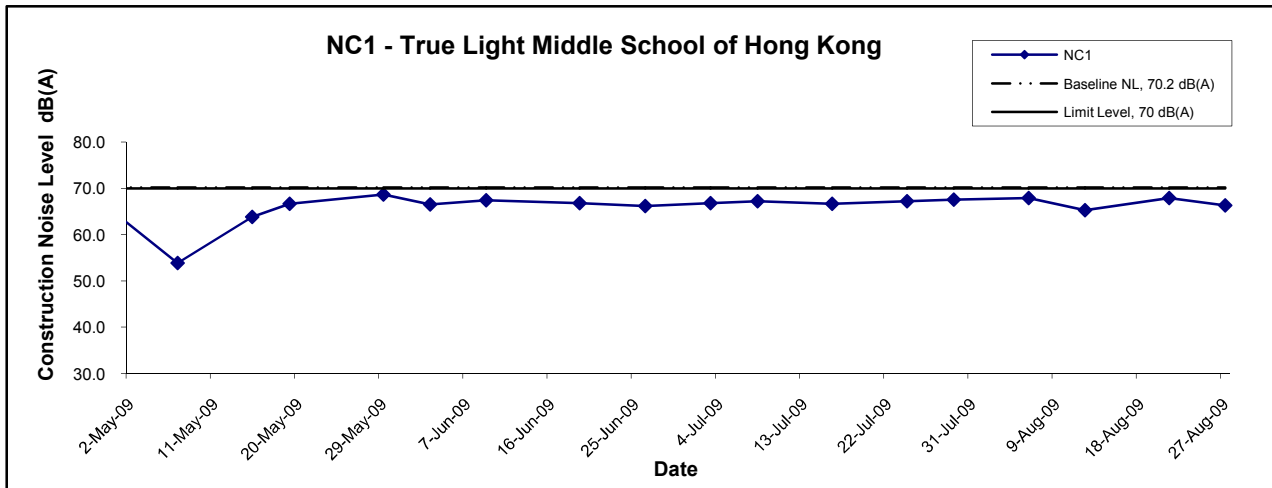
(Restricted Hours - 23:00 to 07:00 on all days )

Location NC3 - Outside Aegean Terrace											
Date	Time	Weather	dB (A) (5-min)				Baseline Level	Construction Noise Level			
			L <sub>eq</sub>	L <sub>10</sub>	L <sub>90</sub>	Average L <sub>eq</sub>	L <sub>eq</sub>	L <sub>eq</sub>			
7-Aug-09	00:20	Cloudy	49.8	51.4	46.2	50.0	52.0	50.0 Measured ≤ Baseline			
	00:25		50.2	52.0	46.8						
	00:30		49.9	51.8	46.2						
12-Aug-09	23:05	Fine	49.9	54.5	47.5	50.0		52.0	50.0 Measured ≤ Baseline		
	23:10		49.7	54.5	47.5						
	23:15		50.3	54.5	48.0						
22-Aug-09	01:10	Cloudy	49.2	50.8	45.9	49.7			52.0	49.7 Measured ≤ Baseline	
	01:15		49.7	51.0	46.4						
	01:20		50.2	51.4	46.8						
28-Aug-09	00:15	Cloudy	49.8	51.5	46.5	49.9				52.0	49.9 Measured ≤ Baseline
	00:20		49.5	51.0	46.5						
	00:25		50.4	52.0	47.0						

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

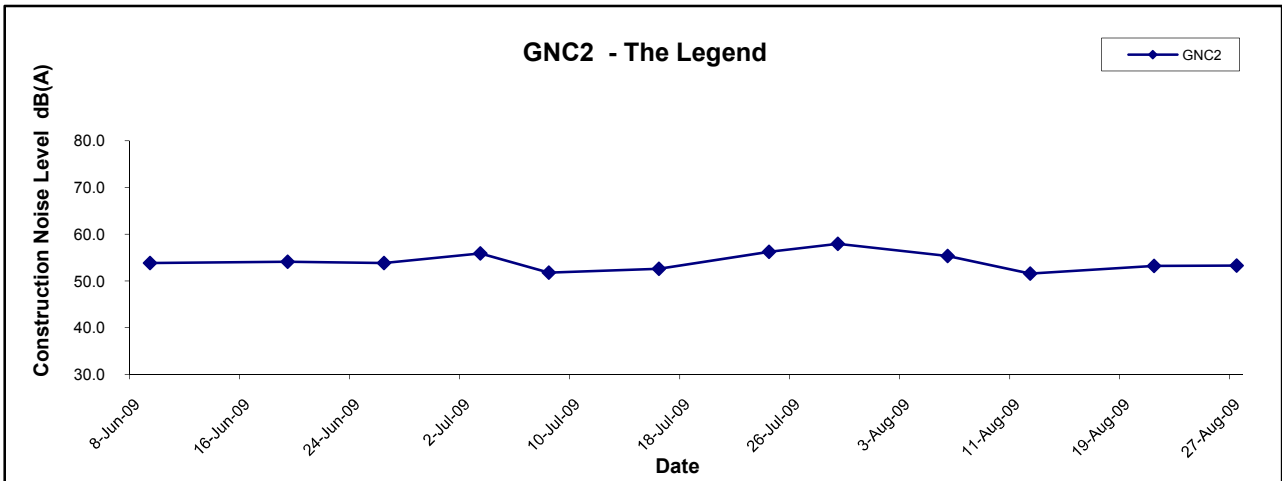
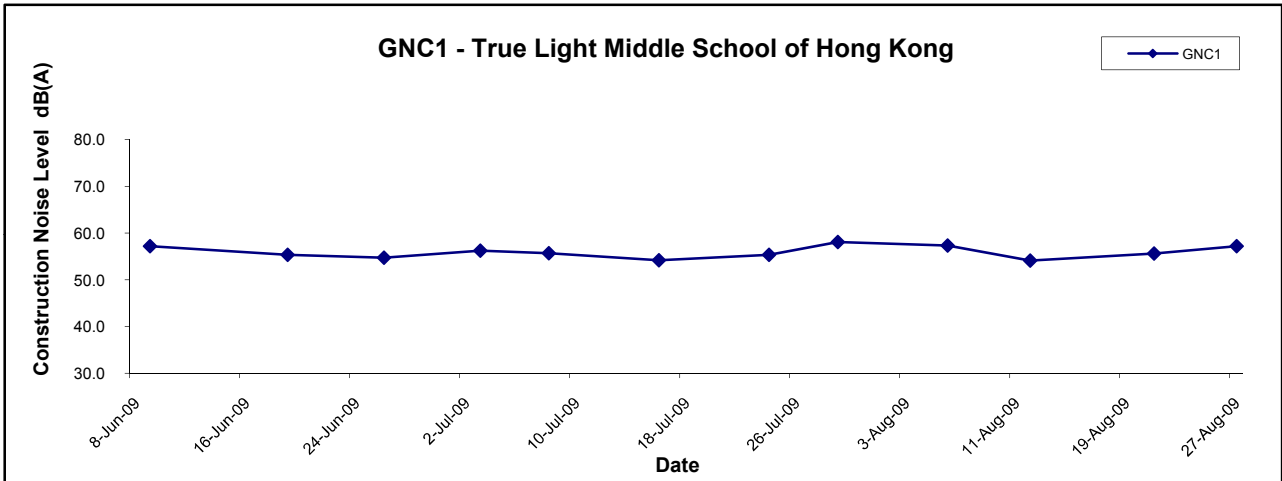
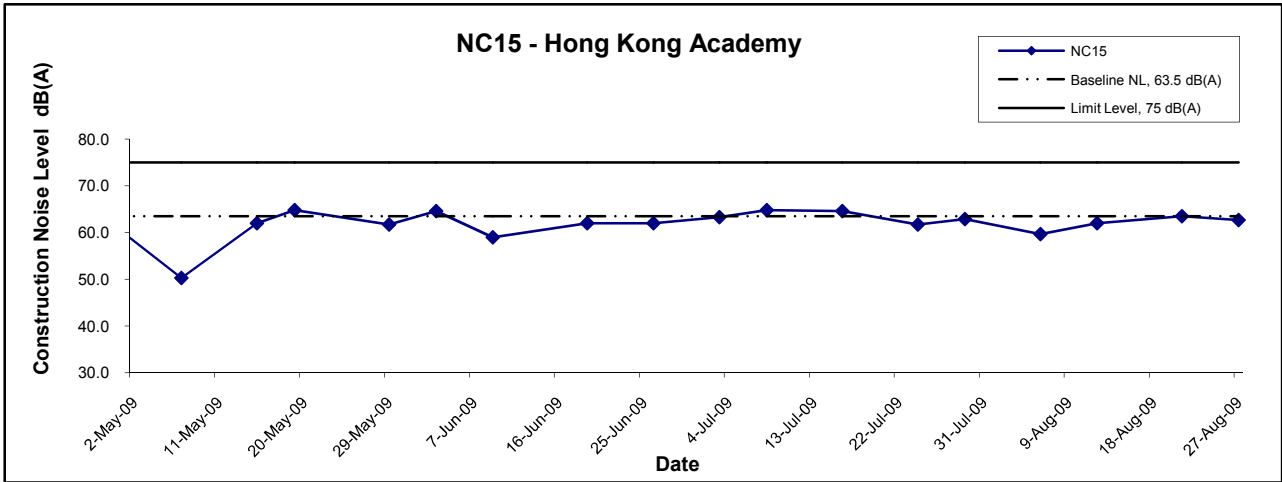
Location GNC4 - Crane Court							
Date	Time	Weather	dB (A) (5-min)				
			L <sub>eq</sub>	L <sub>10</sub>	L <sub>90</sub>	Average L <sub>eq</sub>	
13-Aug-09	02:35	Cloudy	38.5	40.0	36.0	39.0	
	02:40		39.5	40.5	36.5		
	02:45		38.8	40.0	36.0		
22-Aug-09	00:35	Cloudy	39.4	40.6	36.4	38.7	
	00:40		38.5	39.8	36.2		
	00:45		38.2	39.5	36.0		
28-Aug-09	00:30	Cloudy	38.8	40.0	37.0	38.7	
	00:35		38.5	39.5	37.0		
	00:40		38.8	40.0	37.0		

## Noise Levels



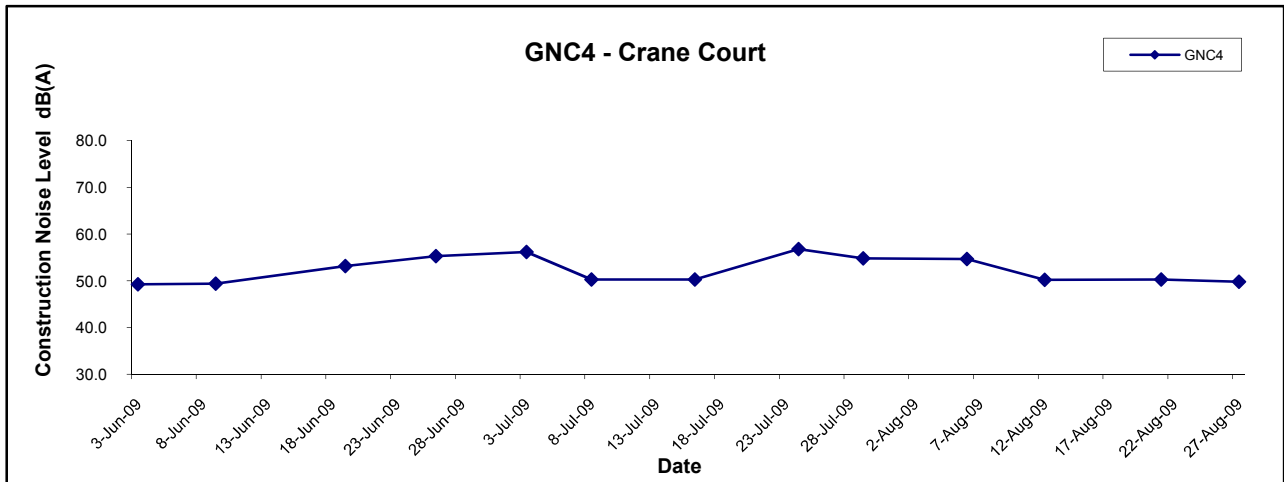
Title Contract No. DC/2007/10 Design and Construction of Hong Kong West Drainage Tunnel Graphical Presentation of Construction Noise Monitoring Results	Scale	N.T.S	Project No.	MA8001	CINOTECH
	Date	Aug 09	Appendix	G	

## 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	CINOTECH
	Date	Aug 09	Appendix	G	

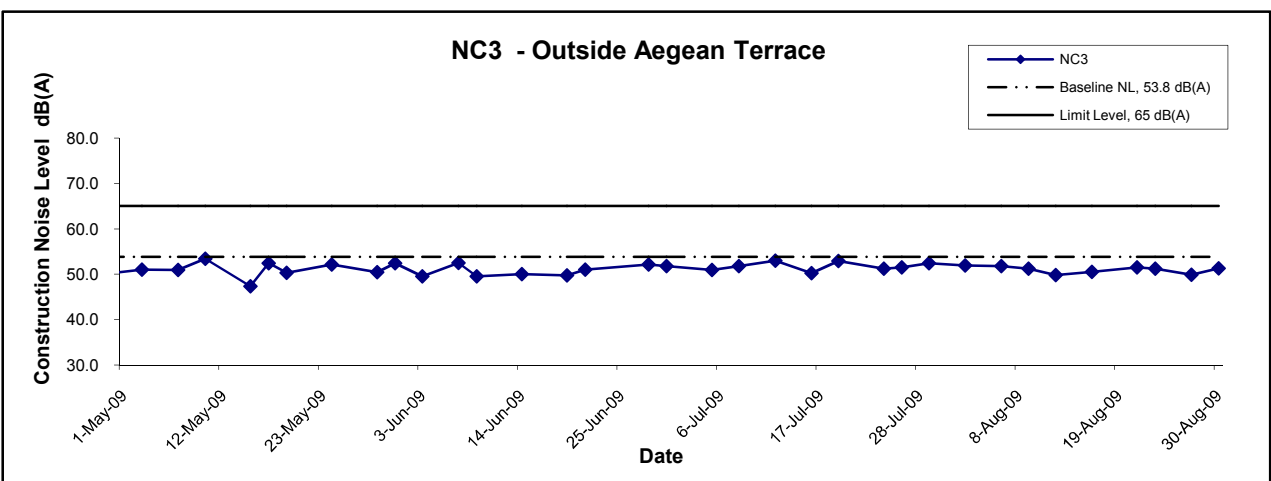
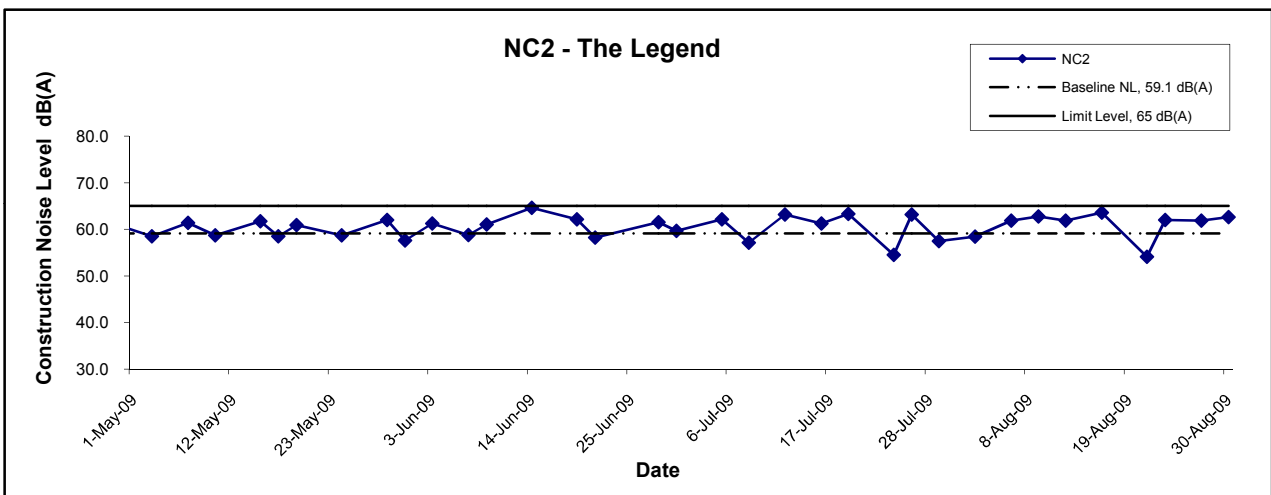
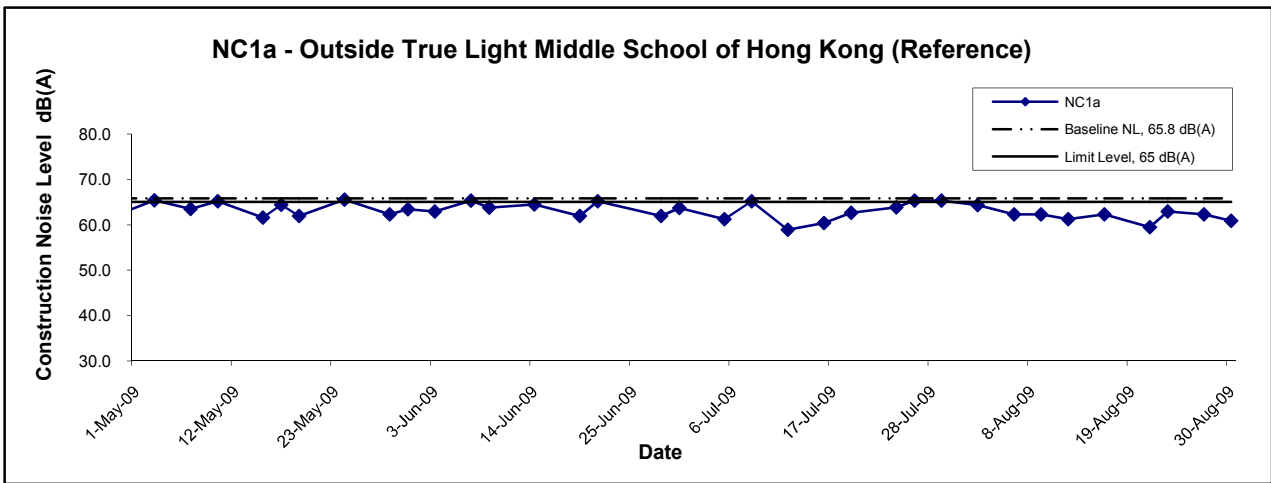
## Noise Levels



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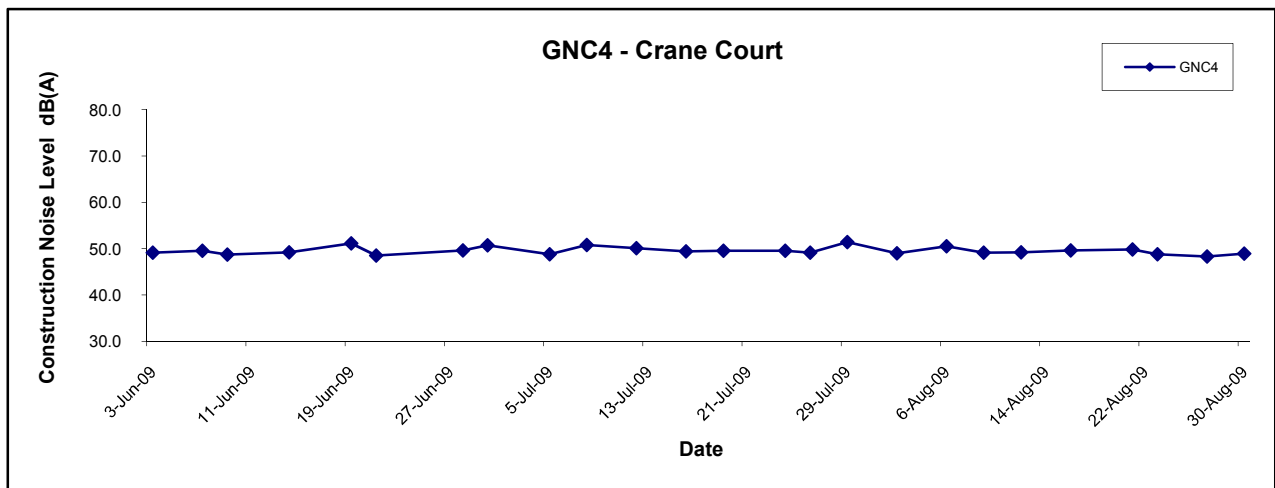
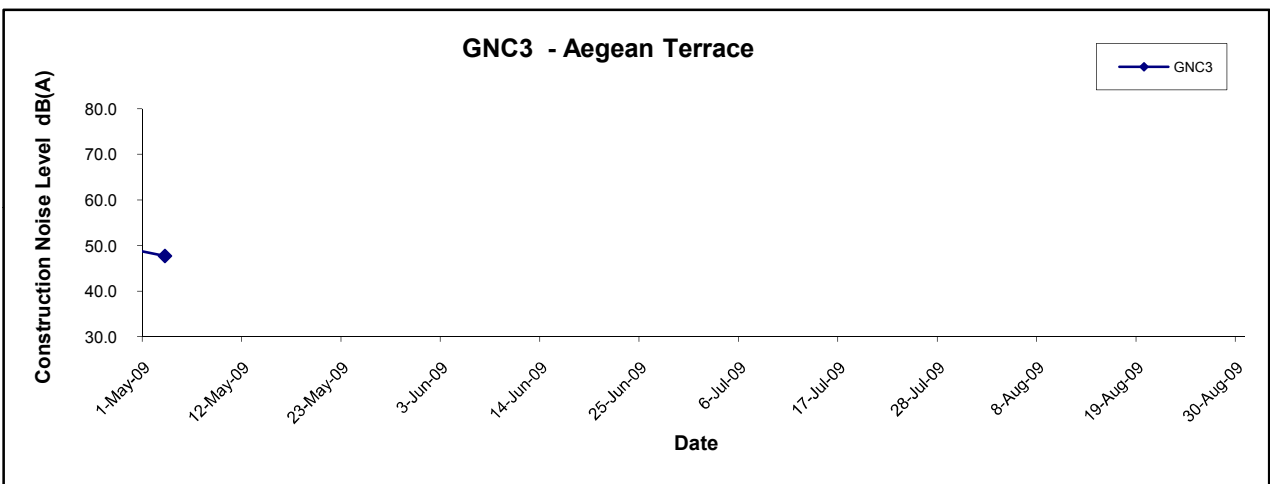
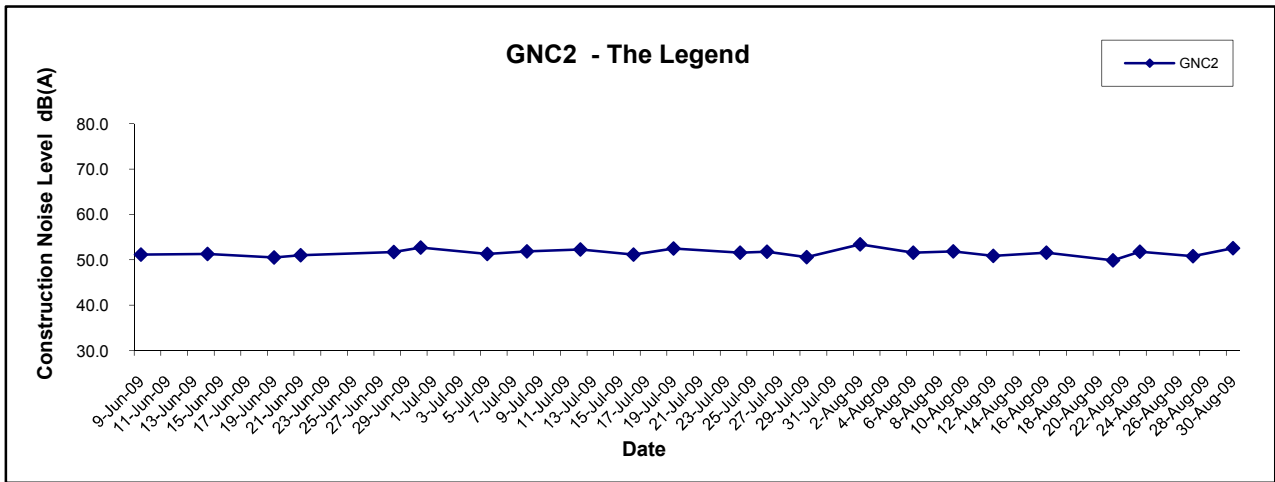


**Noise Levels**  
**(Restricted Hours - 07:00 - 23:00 holidays & 19:00 - 23:00 on all other days )**



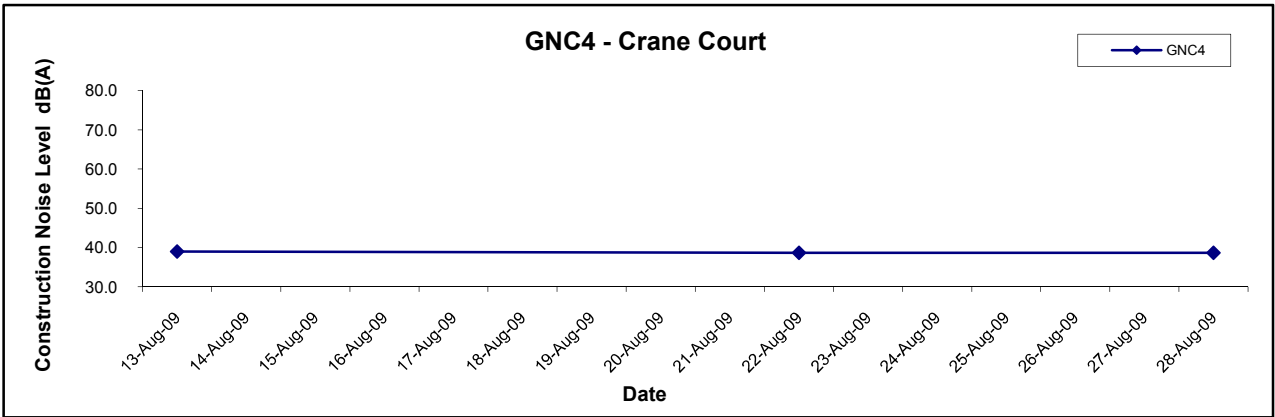
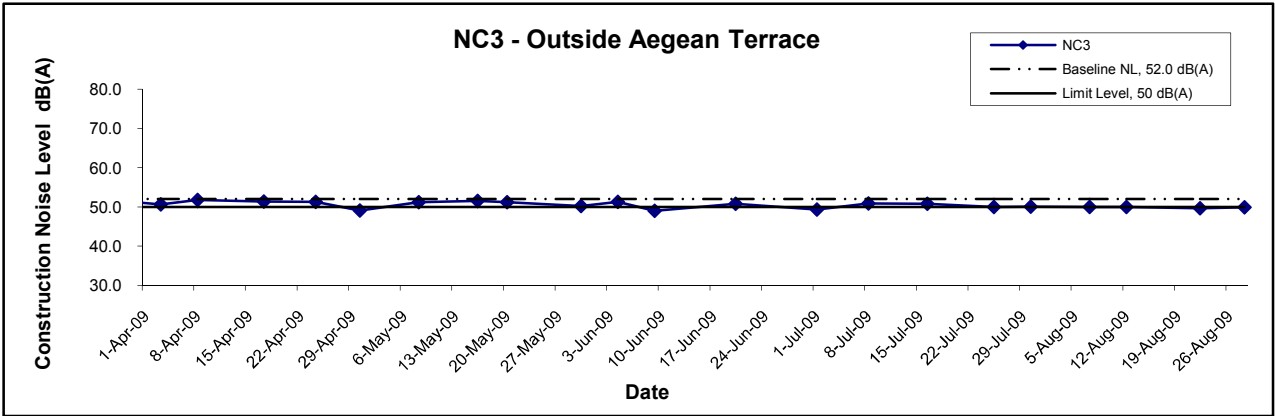
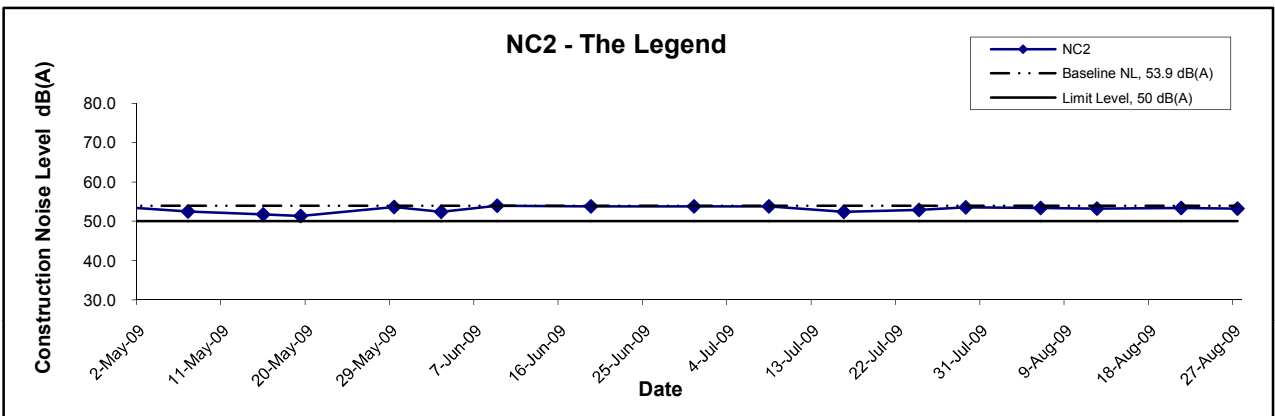
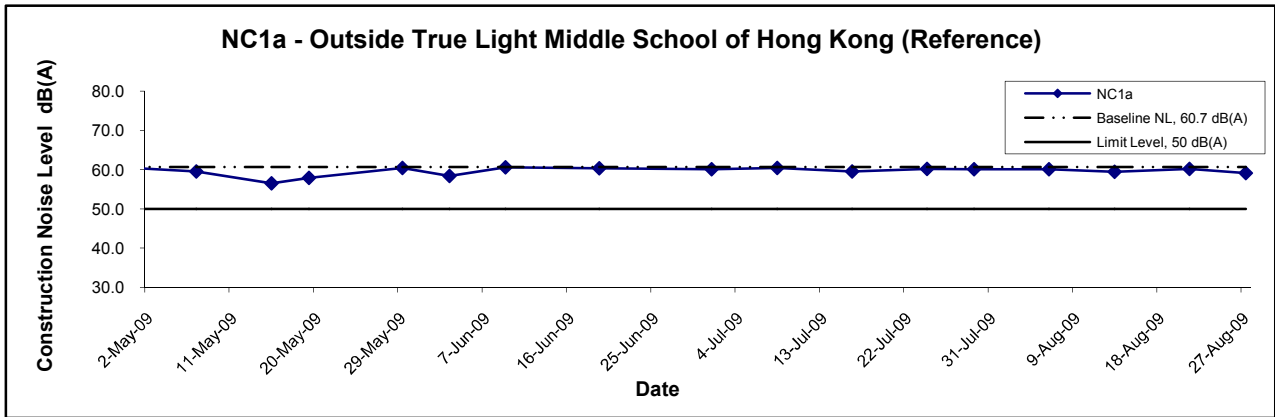
Title	Contract No. DC/2007/10 Design and Construction of Hong Kong West Drainage Tunnel	Scale	N.T.S	Project No.	MA8001	<b>CINOTECH</b>
	Graphical Presentation of Construction Noise Monitoring Results	Date	Aug 09	Appendix	G	

**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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