

Improvements to San Tin Interchange Environmental Monitoring and Audit - Noise Monitoring Results

Normal Daytime Hours

(0700 to 1900 hours on any day not being a Sunday or general holiday)

Monitoring Location	Date of Monitoring	Monitoring Period		Weather	Wind Speed, m/s	L _{eq(30min)} dB(A)	L ₁₀ dB(A)	L ₉₀ dB(A)	Major Noise Source(s)
		From	To						
CM1	3-Oct-06	9:52	10:22	Sunny	0	65	67	62	Excavation on Slip Road A works area; traffic noise from San Tin Highway.
	11-Oct-06	9:39	10:09	Cloudy	0	67	68	63	Excavation in the N2 works area; traffic noise from San Tin Highway.
	19-Oct-06	9:37	10:07	Sunny	0	66	68	62	Crane operation in the N2 works area; traffic noise from San Tin Highway.
	27-Oct-06	9:30	10:00	Sunny	0	66	68	63	Excavation on Slip Road A works area; traffic noise from San Tin Highway.
	31-Oct-06	9:24	9:54	Sunny	0	67	68	64	Excavation on Slip Road A works area; traffic noise from San Tin Highway.
CM2	3-Oct-06	11:11	11:41	Sunny	0	75	78	70	Excavation on Slip Road A works area; non-percussive piling works on San Tin Highway; traffic noise from San Tin Highway.
	11-Oct-06	10:21	10:51	Cloudy	0	71	74	66	Excavation in the N2 works area; traffic noise from San Tin Highway.
	19-Oct-06	10:25	10:55	Sunny	0	71	73	66	Crane operation in the N2 works area; traffic noise from San Tin Highway.
	27-Oct-06	10:14	10:44	Sunny	0	71	74	67	Excavation on Slip Road A works area; traffic noise from San Tin Highway.
	31-Oct-06	10:14	10:44	Sunny	0	72	74	67	Excavation on Slip Road A works area; traffic noise from San Tin Highway.
CM3	3-Oct-06	13:55	14:25	Sunny	0	66	67	50	Dogs barking; vehicle pass-by noise from the access road to Ki Lun Tsuen; vehicle idling noise during giving-way in front of the monitoring location and machinery noise from the car maintenance workshop in the vicinity.
	11-Oct-06	11:08	11:38	Cloudy	0	67	70	51	Dogs barking; vehicle pass-by noise from the access road to Ki Lun Tsuen; vehicle idling noise during giving-way in front of the monitoring location and machinery noise from the car maintenance workshop in the vicinity.
	19-Oct-06	11:07	11:37	Sunny	0	64	65	50	Site clearing in the road between the open storage and Ki Lun Tsuen from the CLP Power's construction; dogs barking; vehicle pass-by noise from the access road to Ki Lun Tsuen; vehicle idling noise during giving-way in front of the monitoring location and machinery noise from the car maintenance workshop in the vicinity.

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	27-Oct-06	11:03	11:33	Sunny	0	63	59	52	Vehicle pass-by noise from the access road to Ki Lun Tsuen; vehicle idling noise during giving-way in front of the monitoring location and machinery noise from the car maintenance workshop in the vicinity.
	31-Oct-06	11:06	11:36	Sunny	0	64	66	51	Vehicle pass-by noise from the access road to Ki Lun Tsuen; vehicle idling noise during giving-way in front of the monitoring location and machinery noise from the car maintenance workshop in the vicinity.

Remarks: (i) CM2 is a non-façade measurement location. A positive correction of 3dB(A) has been applied to the measured noise level according to EPD's guideline.

Improvements to San Tin Interchange Environmental Monitoring and Audit - Noise Monitoring Results

Restricted Hours

All days during the evening (1900 to 2300 hours), and general holidays (including Sundays) during the day-time and evening (0700 to 2300 hours)

Monitoring Location	Date of Monitoring	Monitoring Period		Weather	Wind Speed, m/s	L _{eq(15min)} dB(A)	L ₁₀ dB(A)	L ₉₀ dB(A)	Major Noise Source(s)
		From	To						
CM1	1-Oct-06	11:33	11:48	Fine	0	64	66	61	Grinding machine operation in the N2 works area; concrete breaking and mobile crane operation on San Tin Highway due to a non-project related road works undertaken by China Harbour Engineering; traffic noise from San Tin Highway.
	8-Oct-06	13:02	13:17	Fine	0	63	66	60	Woods cutting in the N2 works area; traffic noise from San Tin Highway.
	15-Oct-06	13:25	13:40	Fine	0	63	65	59	Woods cutting and crane operation in the N2 works area; traffic noise from San Tin Highway.
	22-Oct-06	10:16	10:31	Sunny	0	65	67	61	Woods cutting in the N2 works area; traffic noise from San Tin Highway.
	24-Oct-06	22:24	22:39	Fine	0	63	65	58	Erection of precast viaduct segments in N2 Division; traffic noise from San Tin Highway.
	29-Oct-06	13:20	13:35	Sunny	0	63	66	60	Woods cutting in the N2 works area; traffic noise from San Tin Highway.
CM2	1-Oct-06	11:08	11:23	Fine	0	<u>75</u>	78	67	Grinding machine operation in the N2 works area; concrete breaking and mobile crane operation on San Tin Highway due to a non-project related road works undertaken by China Harbour Engineering; traffic noise from San Tin Highway.
	8-Oct-06	13:29	13:44	Fine	0	<u>69</u>	72	61	Woodcutting in the N2 works area; traffic noise from San Tin Highway.
	15-Oct-06	14:05	14:20	Fine	0	<u>68</u>	71	63	Woodcutting and crane operation in the N2 works area; traffic noise from San Tin Highway.
	22-Oct-06	10:48	11:03	Sunny	0	<u>71</u>	73	66	Woodcutting in the N2 works area; traffic noise from San Tin Highway.
	24-Oct-06	21:57	22:12	Fine	0	<u>69</u>	72	62	Erection of precast viaduct segments in N2 Division; traffic noise from San Tin Highway.
	29-Oct-06	13:55	14:10	Sunny	0	<u>69</u>	71	67	Woodcutting in the N2 works area; traffic noise from San Tin Highway.
CM3	1-Oct-06	10:32	10:47	Fine	0	63	65	55	Grinding machine operation in the N2 works area; vehicle pass-by noise from the access road to Ki Lun Tsuen; vehicle idling noise during giving-way in front of the monitoring location.
	8-Oct-06	14:03	14:18	Fine	0	61	62	55	Woods cutting in the N2 works area; vehicle pass-by noise from the access road to Ki Lun Tsuen; vehicle idling noise during giving-way in front of the monitoring location.

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Restricted Hours

All days during the evening (1900 to 2300 hours), and general holidays (including Sundays) during the day-time and evening (0700 to 2300 hours)

Monitoring Location	Date of Monitoring	Monitoring Period		Weather	Wind Speed, m/s	L _{eq(15min)} dB(A)	L ₁₀ dB(A)	L ₉₀ dB(A)	Major Noise Source(s)
		From	To						
	15-Oct-06	14:30	14:45	Fine	0	60	62	64	Woods cutting and crane operation in the N2 works area; vehicle pass-by noise from the access road to Ki Lun Tsuen; vehicle idling noise during giving-way in front of the monitoring location.
	22-Oct-06	11:20	11:35	Sunny	0	58	60	54	Woods cutting and crane operation in the N2 works area; vehicle pass-by noise from the access road to Ki Lun Tsuen; vehicle idling noise during giving-way in front of the monitoring location.
	24-Oct-06	21:26	21:41	Fine	0	57	58	51	Erection of precast viaduct segments in N2 Division; vehicle pass-by noise from the access road to Ki Lun Tsuen; vehicles idling noise during giving-way in front of the monitoring location.
	29-Oct-06	14:35	14:50	Sunny	0	60	60	55	Woods cutting and crane operation in the N2 works area; vehicle pass-by noise from the access road to Ki Lun Tsuen; vehicle idling noise during giving-way in front of the monitoring location.

Remarks: (i) CM2 is a non-façade measurement location. A positive correction of 3dB(A) has been applied to the measured noise level according to EPD's guideline.
(ii) Underlined figure indicates an exceedance of the Limit Level of 65dB(A).

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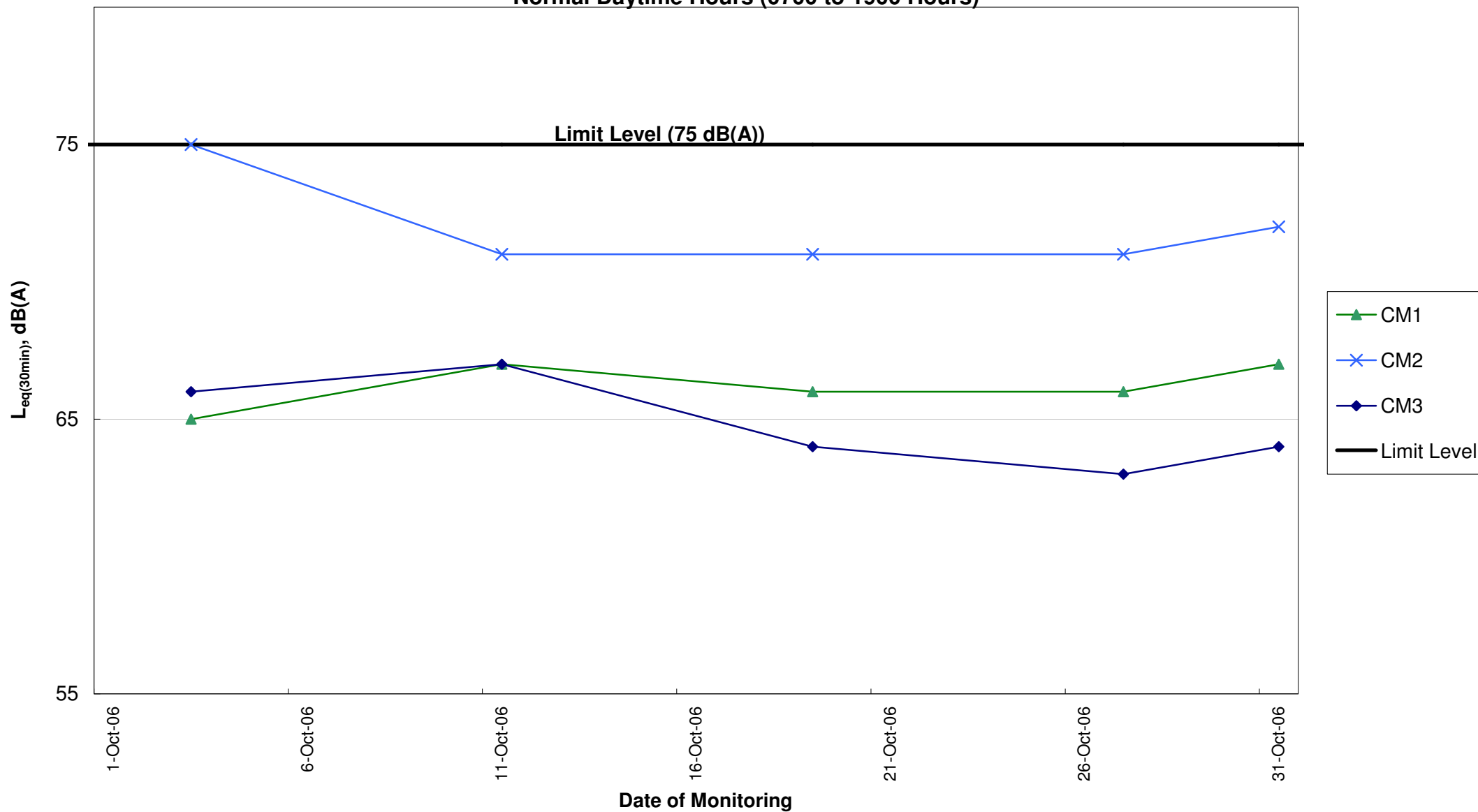
Restricted Hours

All days during the night-time (2300 to 0700 hours)

Monitoring Location	Date of Monitoring	Monitoring Period		Weather	Wind Speed, m/s	L _{eq(15min)} dB(A)	L ₁₀ dB(A)	L ₉₀ dB(A)	Major Noise Source(s)
		From	To						
CM1	24-Oct-06	23:00	23:15	Fine	0	<u>65</u>	66	58	Erection of precast viaduct segments in N2 Division; traffic noise from San Tin Highway.
CM2	24-Oct-06	23:29	23:44	Fine	0	<u>69</u>	72	61	Erection of precast viaduct segments in N2 Division; traffic noise from San Tin Highway.
CM3	25-Oct-06	0:02	0:17	Fine	0	<u>55</u>	56	53	Erection of precast viaduct segments in N2 Division; vehicle pass-by noise from the access road to Ki Lun Tsuen.

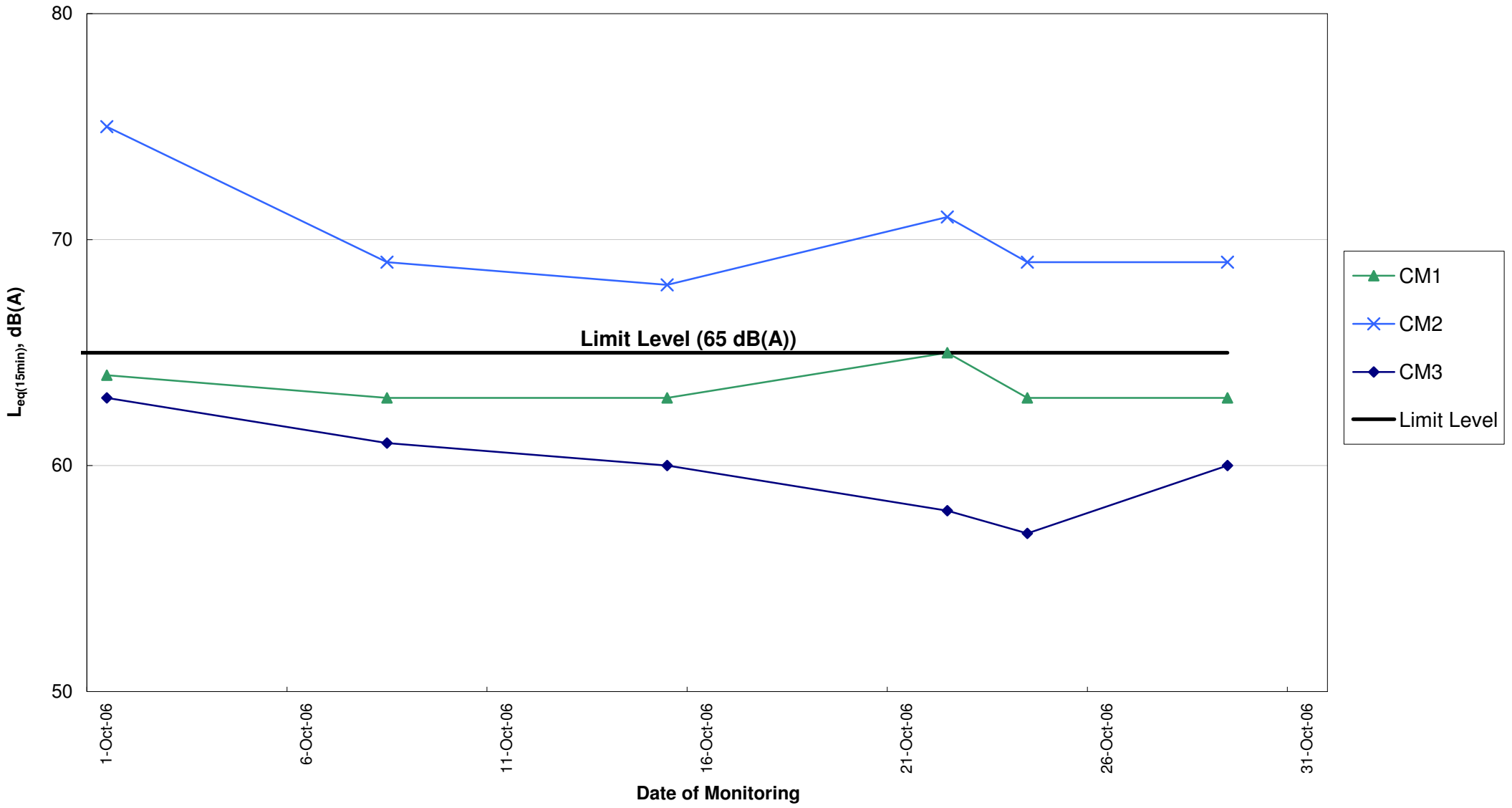
Remarks: (i) CM2 is a non-façade measurement location. A positive correction of 3dB(A) has been applied to the measured noise level according to EPD's guideline.
(ii) Underlined figure indicates an exceedance of the Limit Level of 50dB(A).

Noise Monitoring Results of Monitoring Stations CM1, CM2 & CM3 Normal Daytime Hours (0700 to 1900 Hours)



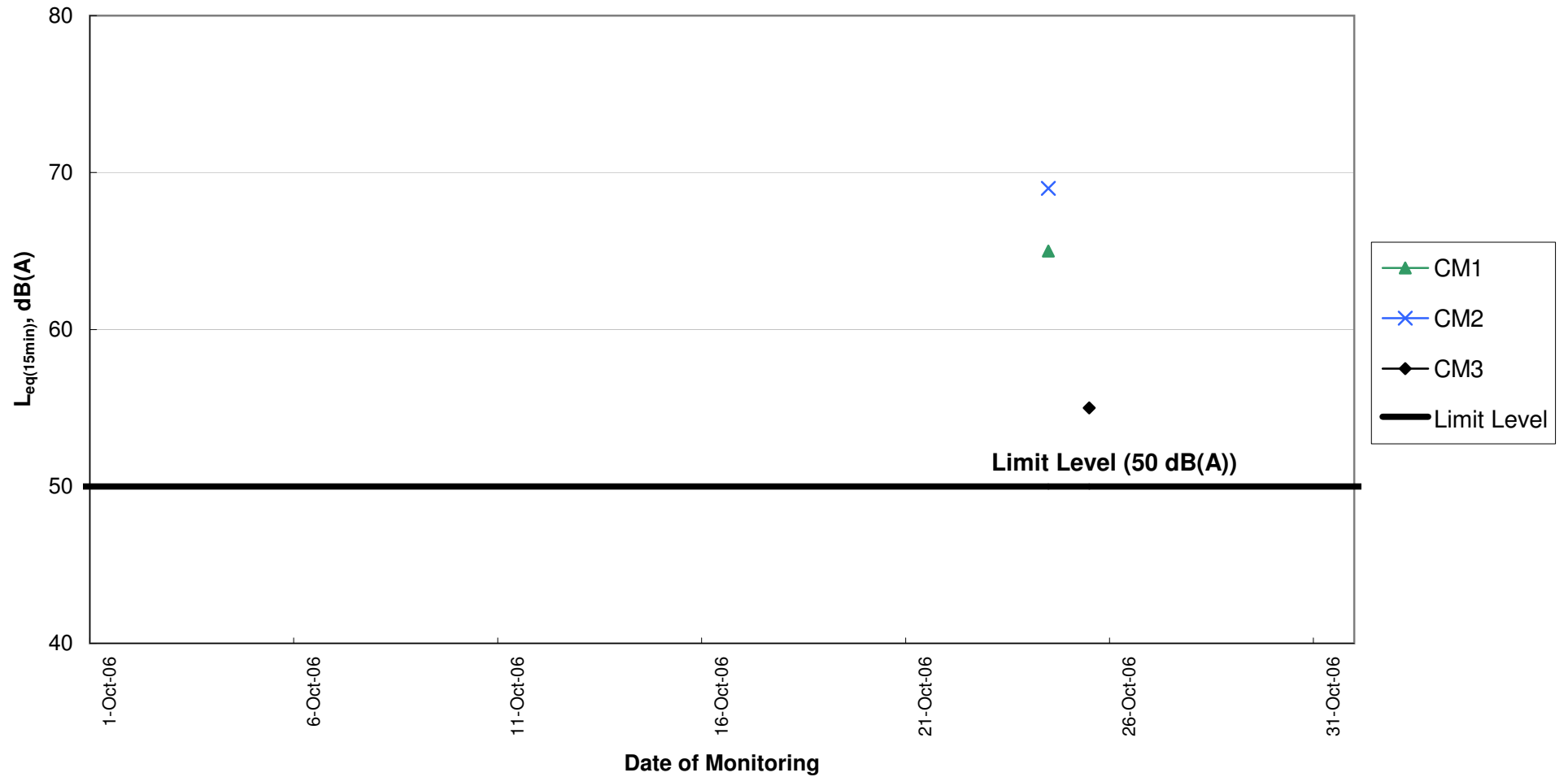
Note: (1) CM2 is a non-façade measurement location. A positive correction of 3dB(A) has been applied to the measured noise level according to EPD's guideline.

Noise Monitoring Results of Monitoring Stations CM1, CM2 & CM3
Restricted Hours (All days during 1900 to 2300 hours, and general holidays (including Sundays) during 0700 to 2300 hours)



Note: (1) CM2 is a non-façade measurement location. A positive correction of 3dB(A) has been applied to the measured noise level according to EPD's guideline.

**Noise Monitoring Results of Monitoring Stations CM1, CM2 & CM3
Restricted Hours (All days during the nighttime from 2300 to 0700 hours)**



Note: (1) CM2 is a non-façade measurement location. A positive correction of 3dB(A) has been applied to the measured noise level according to EPD's guideline.