

Contract No. ED/2018/04

Trunk Road T2 and Infrastructure Works for Developments at the Former South Apron

Appendix I – Summary of Exceedance

Reporting Quarter: May 2022 – July 2022

(A) Exceedance Report for Air Quality

No Action Level and Limit Level exceedance of 24hr TSP monitoring were recorded in this reporting quarter.

No Action/ Limit Level exceedance of 1hr TSP monitoring was recorded in this reporting quarter.

(B) Exceedance Report for Construction Noise

No Action Level was recorded due to the documented complaint in the reporting quarter. Detail refer to **Appendix J**.

Two (2) Limit Level exceedances for construction noise monitoring was recorded in the reporting quarter.

Date	Monitoring Location	Measured Level (Leq dB(A))	Baseline Noise Level (Leq dB(A))	Construction Noise Level (Leq dB(A))	Limit Level
10 May 2022	CM1	77.9	65.5	<u>78</u>	75
06 June 2022	CM1	77.9	65.5	<u>78</u>	75

The results of exceedance investigation are attached as below.

(C) Exceedance Report for Landfill Gas

(NIL in the reporting quarter)

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- Notification of Exceedances

NOE No. 220510_noise (CM1) **Exceedance Level:** Limit

Time of Measurement: 15:18 -16:18

Date of Noise Monitoring: 10 May 2022

Part A – Exceedance Summary Tables

Table I: Parameter(s) – Construction Noise

Station	Location	Time	Measured Level (L _{eq} dB(A))	Baseline Noise Level (L _{eq} dB(A))	Construction Noise Level (L _{eq} dB(A))	Action Level	Limit Level (L _{eq} dB(A))	Level exceeded
CM1	Nga Lai House, Yau Lai Estate Phase 1, Yau Tong	15:18	77.9	65.5	<u>77.6</u>	When one documented complaint is received.	75	Limit
		15:48	77.2		<u>76.9</u>			

Field Observation(s) and Conclusion

<p>(a) Statement of exceedance(s)</p> <p>Construction noise measured at CM1 exceeded the construction noise (day time) limit level.</p>
<p>(b) Cause of exceedance(s)</p> <p>According to the observation of our field staff, the major noise source(s) and/or reason(s) for exceedance identified at CM1 is/are as follow:</p> <ol style="list-style-type: none"> 1. A breaker was being operated at Portion IVC of TKOLTT during monitoring. 2. Some percussive / breaking noise from the site of Lam Tin Interchange was also observed during monitoring 3. Road traffic along the adjacent slip road approaching to EHC tunnel. 4. Blast door was fully enclosed to restrict noise from PME operated inside tunnel area (See Photo 1). 5. Noise barriers were erected on the site of Trunk Road T2 (See Photo 2).

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Photo Record



Photo 1 (Photo Taken by Contractor)



Photo 2 (Provided by Contractor)

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Part B – Conclusion:

Based on the finding(s) and observation(s) above, the limit level exceedance of construction noise recorded at station CM1 on 10 May 2022 was due to the construction activities of the TKOLTT project. Therefore, the exceedance is considered as **non-project related**.

Part C – Recommendation:

Although the exceedance is considered as non-project related, it is recommended that the following construction noise mitigation measures shall always be implemented on site to reduce/ minimize the construction noise nuisance due to the construction activities.

1. Use of temporary or fixed noise barriers with a surface density of at least 10kg/m² to screen noise from movable and stationary plant;
2. Use of acoustic fabric for the silent piling system, drill rigs, rock drills etc;
3. Only well-maintained plant should be operated on-site and plants should be serviced regularly during the construction period;
4. Mobile plant, if any, should be sited as far from NSRs as possible;
5. Use of site hoarding as a noise barrier to screen noise at low level NSRs;
6. Machines and plant that may be in intermittent use should be shut down between works periods or should be throttled down to a minimum; and
7. Any material stockpiles and other structures should be effectively utilized, wherever practicable, to screen the noise from on-site construction activities.

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NOE No. 220606_noise (CM1) **Exceedance Level:** Limit

Time of Measurement: 10:52 -11:52

Date of Noise Monitoring: 06 June 2022

Part A – Exceedance Summary Tables

Table I: Parameter(s) – Construction Noise

Station	Location	Time	Measured Level (L _{eq} dB(A))	Baseline Noise Level (L _{eq} dB(A))	Construction Noise Level (L _{eq} dB(A))	Action Level	Limit Level (L _{eq} dB(A))	Level exceeded
CM1	Nga Lai House, Yau Lai Estate Phase 1, Yau Tong	10:52	77.9	65.5	<u>77.6</u>	When one documented complaint is received.	75	Limit
		11:22	72.6		71.7			

Field Observation(s) and Conclusion

<p>(a) Statement of exceedance(s) Construction noise measured at CM1 exceeded the construction noise (day time) limit level.</p>
<p>(b) Cause of exceedance(s) According to the observation of our field staff, the major noise source(s) and/or reason(s) for exceedance identified at CM1 is/are as follow:</p> <ol style="list-style-type: none"> 1. A breaker was being operated at Portion IVB of TKOLTT during monitoring. Despite noise barrier was placed near at the breaker, it was not able to block the direct line of sight (See Photo 1 and 2). 2. Percussive / breaking noise from LTI and Portion IVB of TKOLTT were heard during the first measurement 3. Road traffic along the adjacent slip road approaching to EHC tunnel. <p>Review on the implementation of noise mitigation measures of the Project of Trunk Road T2:</p> <ol style="list-style-type: none"> 1. Noise barriers were erected on the site of Trunk Road T2 (See Photo 3 and 4).

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Photo Record



Photo 1 (Photo Taken on 06 June 2022)



Photo 2 (Photo Taken on 06 June 2022)

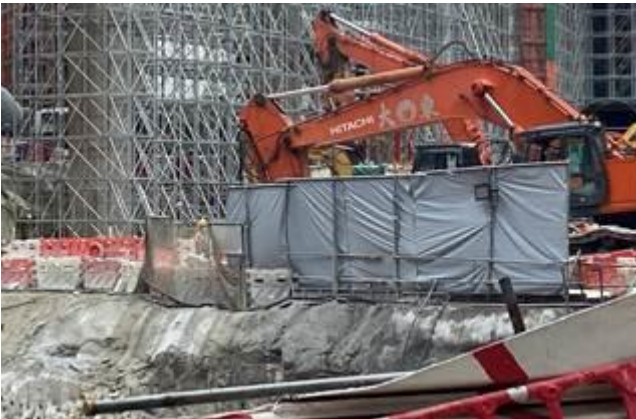


Photo 3 (Photo Taken by Contractor)



Photo 4 (Provided by Contractor)

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- Notification of Exceedances

Part B – Conclusion:

Based on the finding(s) and observation(s) above, the limit level exceedance of construction noise recorded at station CM1 on 06 June 2022 was due to the construction activities of the TKOLTT project. Therefore, the exceedance is considered as **non-project related**.

Part C – Recommendation:

Although the exceedance is considered as non-project related, it is recommended that the following construction noise mitigation measures shall always be implemented on site to reduce/ minimize the construction noise nuisance due to the construction activities.

1. Use of temporary or fixed noise barriers with a surface density of at least 10kg/m² to screen noise from movable and stationary plant;
2. Use of acoustic fabric for the silent piling system, drill rigs, rock drills etc;
3. Only well-maintained plant should be operated on-site and plants should be serviced regularly during the construction period;
4. Mobile plant, if any, should be sited as far from NSRs as possible;
5. Use of site hoarding as a noise barrier to screen noise at low level NSRs;
6. Machines and plant that may be in intermittent use should be shut down between works periods or should be throttled down to a minimum; and
7. Any material stockpiles and other structures should be effectively utilized, wherever practicable, to screen the noise from on-site construction activities.