

**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: February 2022 – April 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**

Three (3) Action Level was recorded due to the documented complaint in the reporting quarter. Detail refer to **Appendix J**.

One (1) Limit Level exceedance for construction noise monitoring was recorded in the reporting quarter.

<b>Date</b>	<b>Monitoring Location</b>	<b>Measured Level (Leq dB(A))</b>	<b>Baseline Noise Level (Leq dB(A))</b>	<b>Construction Noise Level (Leq dB(A))</b>	<b>Limit Level</b>
10 March 2022	CM1	76.0	65.5	<u>76</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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**Environmental Team for Trunk Road T2**

**- Notification of Exceedances**

NOE No. 220310\_noise (CM1) **Exceedance Level:** Limit

**Time of Measurement:** 12:46 - 13:50

**Date of Noise Monitoring:** 10 March 2022

**Part A – Exceedance Summary Tables**

**Table I: Parameter(s) – Construction Noise**

Station	Location	Time	Measured Level (L <sub>eq</sub> dB(A))	Baseline Noise Level (L <sub>eq</sub> dB(A))	Construction Noise Level (L <sub>eq</sub> dB(A))	Action Level	Limit Level (L <sub>eq</sub> dB(A))	Level exceeded
CM1	Nga Lai House, Yau Lai Estate Phase 1, Yau Tong	12:46	76.0	65.5	<u>76</u>	When one documented complaint is received.	75	Limit
		13:20	77.0		<u>77</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 CM5 is/are as follow:</p> <ol style="list-style-type: none"> <li>1. A breaker was being operated at Portion IVC of TKOLTT with only acoustic sheets adopted as mitigation measure. (See Photo 1) As acoustic sheets itself are without much noise absorption property, noise cannot be mitigated to a desirable level especially when the noise source is significant.</li> <li>2. Some percussive / breaking noise from the site of Lam Tin Interchange was also observed during monitoring</li> <li>3. Road traffic along the adjacent slip road approaching to EHC tunnel.</li> <li>4. Noise barriers were erected on the site of Trunk Road T2 (See Photo 2).</li> </ol>

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**Photo Record**

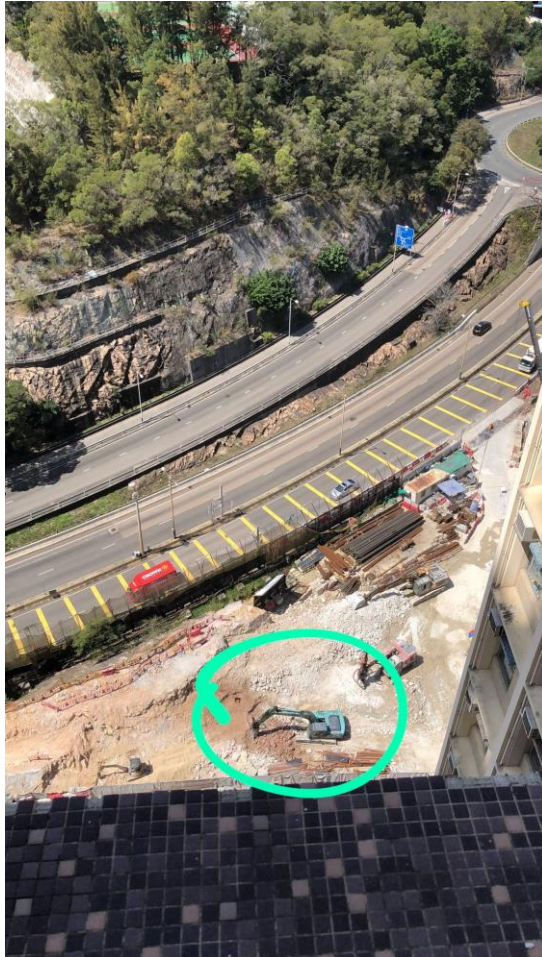


Photo 1 (Photo Taken by ET)



Photo 2 (Provided by Contractor)

## **Environmental Permit No.: EP-458/2013/C**

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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 10 March 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/m<sup>2</sup> 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.