

Contract No. ED/2018/04

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

Appendix N – Summary of Exceedance

Reporting Period: September 2022

(A) Exceedance Report for Air Quality

One (1) Action Level exceedance of 24hr TSP monitoring was recorded in this reporting month and no Limit Level exceedance of 24hr TSP monitoring was recorded in this reporting month.

Monitoring Station	Start Date	Conc. ($\mu\text{g}/\text{m}^3$)	Level exceeded
AM1	29 September 2022	198.2	Action Level

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

(B) Exceedance Report for Construction Noise

No Action Level exceedance was recorded due to the documented complaint in the reporting month.

No Limit Level exceedance for construction noise monitoring was recorded in the reporting month.

(C) Exceedance Report for Landfill Gas

(NIL in the reporting month).

Environmental Permit No.: EP-458/2013/C
Environmental Team for Trunk Road T2

- Notification of Exceedances

NOE No. 220929_24hrTSP (AM1) **Exceedance Level: Action**

Date of Air Quality Monitoring: 29 September 2022

Part A – Exceedance Summary Tables

Table I: Parameter(s) – 24-hour TSP

Station	Location	Time	Filter Weight (g) Initial	Filter Weight (g) Final	Particulate Weight (g)	Particulate Concentration (µg/m3)	Action Level: (µg/m3)	Limit Level: (µg/m3)	Level exceeded
AM1	Tin Hau Temple	0900 (29 Sep 2022) – 0900 (30 Sep 2022)	3.3035	3.6520	0.3485	<u>198.2</u>	173	<u>260</u>	Action

Note: ***Bold Italic*** means Action Level exceedance
Bold Italic with underline means Limit Level exceedance

Part B – Major Source of Parameter Monitored

Field Observation(s) and Finding(s)

<p>(a) Statement of exceedance(s) 24-hour TSP monitoring measured at AM1 on 29 September 2022 exceeded the action level.</p>
<p>(b) Cause of exceedance(s) According to the observation of our field staff, the major dust source(s) and/or reason(s) for exceedance identified at AM1 is/are as follow:</p> <ol style="list-style-type: none"> 1. According to our field observation, the joss paper furnace was found next to the high volume sampler (HVS), which may affect the result if incense burning was conducted. 2. Non-project related construction works (TKOLTT project) 3. Road traffic along Cha Kwo Ling Road 4. RE and Contractor have confirmed that no construction activity was carried out in the vicinity of the Tin Hau Temple on 29-30 September 2022 under this contract.

Environmental Permit No.: EP-458/2013/C
Environmental Team for Trunk Road T2

- Notification of Exceedances

Photo Record (Photo Taken by ET)



Photo 1 – The joss paper furnace was found next to the high volume sampler (HVS) at AM1.
(Taken on 5 Oct 2022)



Photo 2 – The joss paper furnace was found next to the high volume sampler (HVS) at AM1.
(Taken on 5 Oct 2022)

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

Environmental Team for Trunk Road T2

- Notification of Exceedances

Part C – Conclusion

Based on the finding(s) and observation(s) above, we deduce Action Level exceedance of 24-hour TSP recorded at station AM1 on 29 September 2022 respectively are due to the non-project related influence. Therefore, the exceedance is considered as **non-project related**.

Part D – Recommendation

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

1. Watering of the construction areas 12 times per day to reduce dust emissions.
2. Side enclosure and covering of any aggregate or dusty material storage piles to reduce emissions.
3. Open stockpiles shall be avoided or covered.
4. Tarpaulin covering of all dusty vehicle loads transported to, from and between site locations.
5. Establishment and use of vehicle wheel and body washing facilities at the exit points of the site.
6. Imposition of speed controls for vehicles on unpaved site roads, 8 km per hour is the recommended limit.
7. Use of regular watering to reduce dust emissions from exposed site surfaces and unpaved roads, particularly during dry weather.