

Environmental Permit No.: EP-451/2013
Environmental Team for Trunk Road T2

Appendix M – Summary of Exceedance

Reporting Month: March 2023

(A) Exceedance Report for Air Quality

Six (6) Action Level and Three (3) 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
CKL1	1 March 2023	257.6	Action Level
CKL2	1 March 2023	<u>383.1</u>	Limit Level
KER1	1 March 2023	173.2	Action Level
KTD2d	1 March 2023	164.5	Action Level
CKL2	7 March 2023	<u>280.6</u>	Limit Level
CKL2	13 March 2023	<u>300.0</u>	Limit Level
KTD2d	13 March 2023	169.9	Action Level
CKL2	17 March 2023	246.5	Action Level
CKL2	23 March 2023	247.7	Action Level

(B) Exceedance Report for Construction Noise

Action Level for Construction Noise

One (1) Action Level exceedance was recorded due to the documented complaint received in this reporting month.

Limit Level for Construction Noise

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

(C) Summary of Landscape and Visual Non-Conformity
(NIL in the reporting month)

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- Notification of Exceedances

NOE No. 230301_24hrTSP (KER1) **Exceedance Level: Action**

Date of Air Quality Monitoring: 1 March 2023

Part A – Exceedance Summary Tables

Table I: Parameter(s) – 24-hour TSP

Station	Location	Starting Time	Weather Condition	Conc. (µg/m ³)	Action Level (µg/m ³)	Limit Level (µg/m ³)	Level exceeded
KER1	Future Residential Development at Kerry Godown	09:00	Sunny	<i>173.3</i>	172.0	260.0	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)

(a) Statement of exceedance(s) 24-hour TSP monitoring measured at KER1 on 1 March 2023 exceeded the action level.
(b) Cause of exceedance(s) According to the observation of our field staff and the information provided by ER and Contractor, the Investigation result for exceedance identified at KER1 is/are as follow: <ol style="list-style-type: none"> 1. Kerry staff was smoking near the High Volume Sampler (HVS), which may cause the dust nuisance and affect the result (Photo 1). 2. The vehicle which entering the Kerry DG Warehouse was observed. 3. No environmental deficiencies were observed at KER1 during monitoring and audit, the contractor has implemented adequate dust mitigation measure, i.e: watering and install spraying system at the site entrance, covering the stockpile of dusty material. (Photo 2-4)

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- Notification of Exceedances



Photo 1



Photo 2

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- Notification of Exceedances

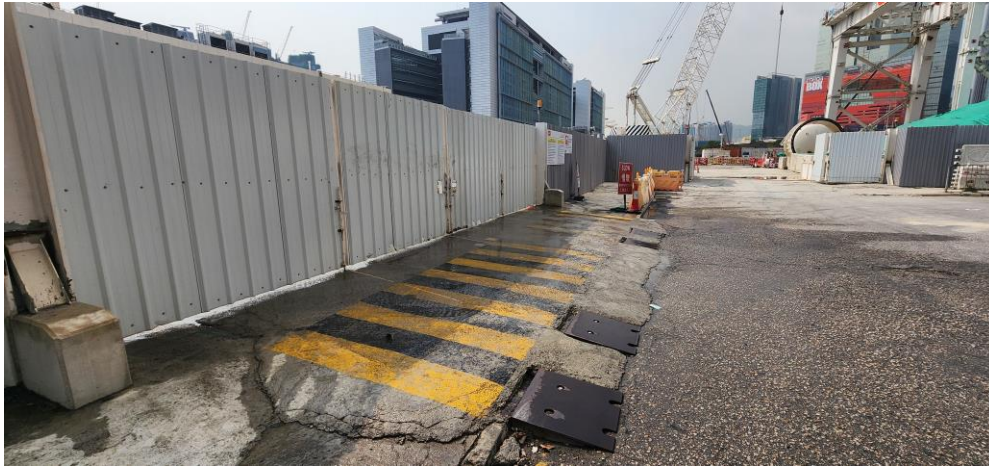


Photo 3



Photo 4

Part C – Conclusion

Based on the finding(s) and observation(s) above, we deduce the Action Level exceedance of 24-hour TSP recorded at station KER1 on 1 March 2023 is due to smoking near the HVS , therefore, the exceedance is considered as **non-project related**.

Part D – Recommendation

Although the exceedance is considered as non-project related, contractor is reminded 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.

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Part E – Follow-up Action Taken

According to the Event and Action Plan of the EM&A Manual of Trunk Road T2 project under EP-451/2013, the follow-up action of this exceedance is/are taken by ET as follow:

1. Informed the investigation result to other parties (i.e., IEC and ER).
2. ET will always pay attention to the implementation of mitigation measures by Contractor and advise the ER on the effectiveness of such measures.
3. A remeasurement was carried out on 8 March 2023, no action/limit level of exceedance was recorded. The monitoring results is tabulated as below:

Station	Location	Time	Weather Condition	Conc. ($\mu\text{g}/\text{m}^3$)	Action Level ($\mu\text{g}/\text{m}^3$)	Limit Level ($\mu\text{g}/\text{m}^3$)	Level exceeded
KER1	Future Residential Development at Kerry Godown	0900 (8 Mar 2023) – 0900 (9 Mar 2023)	Sunny	120.0	173.0	260.0	N/A

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- Notification of Exceedances

NOE No. 230301_24hrTSP (KTD2d) **Exceedance Level: Action**

Date of Air Quality Monitoring: 1 March 2023

Part A – Exceedance Summary Tables

Table I: Parameter(s) – 24-hour TSP

Station	Location	Starting Time	Weather Condition	Conc. (µg/m ³)	Action Level (µg/m ³)	Limit Level (µg/m ³)	Level exceeded
KTD2d	Next to the SOR Office of Trunk Road T2 in Kai Tak Area	09:00	Sunny	<i>164.5</i>	157.0	260.0	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 KTD2d on 1 March 2023 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 KTD2d is/are as follow:</p> <ol style="list-style-type: none"> 1. It observed that a stockpile of excavated dusty material with impervious sheet was not covered thoroughly from the construction site which did not belong to BTP. (See Photo 1 & 2) 2. Dry weather

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Photo Record (Photo Taken by ET)



Photo 1



Photo 2

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- Notification of Exceedances

Part C – Conclusion

Based on the finding(s) and observation(s) above, we deduce the Action Level exceedance of 24-hour TSP recorded at station KTD2d on 1 March 2023 is due to the construction activities which does not belong to BTP Therefore, the exceedance is considered as **non-project related**.

Part D – Recommendation

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

Part E – Follow-up Action Taken

According to the Event and Action Plan of the EM&A Manual of Trunk Road T2 project under EP-451/2013, the follow-up action of this exceedance is/are taken by ET as follow:

1. Informed the investigation result to other parties (i.e., IEC and ER).
2. ET will always pay attention to the implementation of mitigation measures by Contractor and advise the ER on the effectiveness of such measures.
3. A remeasurement was carried out on 16 March 2023, no action/limit level of exceedance was recorded. The monitoring results is tabulated as below:

Station	Location	Time	Weather Condition	Conc. (µg/m ³)	Action Level (µg/m ³)	Limit Level (µg/m ³)	Level exceeded
KTD2d	Next to the SOR Office of Trunk Road T2 in Kai Tak Area	0900 (16 Mar 2023) – 0900 (17 Mar 2023)	Sunny	86.1	173.0	260.0	N/A

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- Notification of Exceedances

NOE No. 230301_24hrTSP (CKL1) **Exceedance Level: Action**

Date of Air Quality Monitoring: 1 March 2023

Part A – Exceedance Summary Tables

Table I: Parameter(s) – 24-hour TSP

Station	Location	Starting Time	Weather Condition	Conc. (µg/m ³)	Action Level (µg/m ³)	Limit Level (µg/m ³)	Level exceeded
CKL1	Flat 121 Cha Kwo Ling Village	09:00	Sunny	<i>257.6</i>	191.0	260.0	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)</p> <p>24-hour TSP monitoring measured at CKL1 on 1 March 2023 exceeded the action level.</p>
<p>(b) Cause of exceedance(s)</p> <p>According to the observation of our field staff and the information provided by ER and Contractor, the Investigation result for exceedance identified at CKL1 is/are as follow:</p> <ol style="list-style-type: none"> 1. Fluctuation of road traffic along the Cha Kwo Ling Road, a numerous of dump trucks and concrete mixer lorries passed by and raise the dust to the surrounding (Photo 1 & 2). 2. No major project related construction activities was observed during monitoring at CKL1.

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- Notification of Exceedances



Photo 1



Photo 2

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- Notification of Exceedances

Part C – Conclusion

Based on the finding(s) and observation(s) above, we deduce the Action Level exceedance of 24-hour TSP recorded at station CKL1 on 1 March 2023 is due to fluctuation of road traffic, therefore, the exceedance is considered as **non-project related**.

Part D – Recommendation

Although the exceedance is considered as non-project related, contractor is reminded 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.

Part E – Follow-up Action Taken

According to the Event and Action Plan of the EM&A Manual of Trunk Road T2 project under EP-451/2013, the follow-up action of this exceedance is/are taken by ET as follow:

1. Informed the investigation result to other parties (i.e., IEC and ER).
2. ET will always pay attention to the implementation of mitigation measures by Contractor and advise the ER on the effectiveness of such measures.
3. A remeasurement was carried out on 8 March 2023, no exceedance was recorded. The monitoring results is tabulated as below:

Station	Location	Time	Weather Condition	Conc. (µg/m ³)	Action Level (µg/m ³)	Limit Level (µg/m ³)	Level exceeded
CKL1	Flat 121 Cha Kwo Ling Village	0900 (8 Mar 2023) – 0900 (9 Mar 2023)	Sunny	47.9	191.0	260.0	N/A

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- Notification of Exceedances

NOE No. 230301_24hrTSP (CKL2) Exceedance Level: Limit

Date of Air Quality Monitoring: 1 March 2023

Part A – Exceedance Summary Tables

Table I: Parameter(s) – 24-hour TSP

Station	Location	Starting Time	Weather Condition	Conc. (µg/m ³)	Action Level (µg/m ³)	Limit Level (µg/m ³)	Level exceeded
CKL2	Flat 103 Cha Kwo Ling Village	09:00	Sunny	<u>383.1</u>	183.0	260.0	Limit

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)</p> <p>24-hour TSP monitoring measured at CKL2 on 1 March 2023 exceeded the limit level.</p>
<p>(b) Cause of exceedance(s)</p> <p>According to the observation of our field staff and the information provided by ER and Contractor, the Investigation result for exceedance identified at CKL2 is/are as follow:</p> <ol style="list-style-type: none"> 1. Fluctuation of road traffic along the Cha Kwo Ling Road, a numerous of dump trucks and concrete mixer lorries passed by and raise the dust to the surrounding (Photo 1 & 2). 2. No major project related construction activities was observed during monitoring at CKL2.

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- Notification of Exceedances



Photo 1



Photo 2

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Part C – Conclusion

Based on the finding(s) and observation(s) above, we deduce the Limit Level exceedance of 24-hour TSP recorded at station CKL2 on 1 March 2023 is due to fluctuation of road traffic, therefore, the exceedance is considered as **non-project related**.

Part D – Recommendation

Although the exceedance is considered as non-project related, contractor is reminded 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.

Part E – Follow-up Action Taken

According to the Event and Action Plan of the EM&A Manual of Trunk Road T2 project under EP-451/2013, the follow-up action of this exceedance is/are taken by ET as follow:

1. Informed the investigation result to other parties (i.e., IEC and ER).
2. ET will always pay attention to the implementation of mitigation measures by Contractor and advise the ER on the effectiveness of such measures.
3. A remeasurement was carried out on 8 March 2023, an action level exceedance was recorded. The monitoring results is tabulated as below:

Station	Location	Time	Weather Condition	Conc. ($\mu\text{g}/\text{m}^3$)	Action Level ($\mu\text{g}/\text{m}^3$)	Limit Level ($\mu\text{g}/\text{m}^3$)	Level exceeded
CKL2	Flat 103 Cha Kwo Ling Village	0900 (8 Mar 2023) – 0900 (9 Mar 2023)	Sunny	253.6	173.0	260.0	Action

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- Notification of Exceedances

NOE No. 230307_24hrTSP (CKL2) Exceedance Level: Limit

Date of Air Quality Monitoring: 7 March 2023

Part A – Exceedance Summary Tables

Table I: Parameter(s) – 24-hour TSP

Station	Location	Starting Time	Weather Condition	Conc. (µg/m ³)	Action Level (µg/m ³)	Limit Level (µg/m ³)	Level exceeded
CKL2	Flat 103 Cha Kwo Ling Village	09:00	Sunny	<u>280.6</u>	183.0	260.0	Limit

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)</p> <p>24-hour TSP monitoring measured at CKL2 on 7 March 2023 exceeded the limit level.</p>
<p>(b) Cause of exceedance(s)</p> <p>According to the observation of our field staff and the information provided by ER and Contractor, the Investigation result for exceedance identified at CKL2 is/are as follow:</p> <ol style="list-style-type: none"> 1. Fluctuation of road traffic along the Cha Kwo Ling Road, especially the completion of TKOLTT, a numerous of dump trucks from other construction site transport their C&D material through Cha Kwo Ling Road to TKO Area 137 via TKOLTT (Photo 1 & 2). 2. Steel work was performed at Portion Q (near CKL2), no dusty activities (i.e Excavation, loading or unloading of C&D material) were performed at this section.

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- Notification of Exceedances



Photo 1



Photo 2

Environmental Permit No.: EP-451/2013
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Part C – Conclusion

Based on the finding(s) and observation(s) above, we deduce the Limit Level exceedance of 24-hour TSP recorded at station CKL2 on 7 March 2023 is due to fluctuation of road traffic, therefore, the exceedance is considered as **non-project related**.

Part D – Recommendation

Although the exceedance is considered as non-project related, contractor is reminded 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.

Part E – Follow-up Action Taken

According to the Event and Action Plan of the EM&A Manual of Trunk Road T2 project under EP-451/2013, the follow-up action of this exceedance is/are taken by ET as follow:

1. Informed the investigation result to other parties (i.e., IEC and ER).
2. ET will always pay attention to the implementation of mitigation measures by Contractor and advise the ER on the effectiveness of such measures.
3. A remeasurement was carried out on 14 March 2023, an action level exceedance was recorded. The monitoring results is tabulated as below:

Station	Location	Time	Weather Condition	Conc. (µg/m ³)	Action Level (µg/m ³)	Limit Level (µg/m ³)	Level exceeded
CKL2	Flat 103 Cha Kwo Ling Village	0900 (14 Mar 2023) – 0900 (15 Mar 2023)	Sunny	242.7	173.0	260.0	Action

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- Notification of Exceedances

NOE No. 230313_24hrTSP (KTD2d) **Exceedance Level: Action**

Date of Air Quality Monitoring: 13 March 2023

Part A – Exceedance Summary Tables

Table I: Parameter(s) – 24-hour TSP

Station	Location	Starting Time	Weather Condition	Conc. (µg/m ³)	Action Level (µg/m ³)	Limit Level (µg/m ³)	Level exceeded
KTD2d	Next to the SOR Office of Trunk Road T2 in Kai Tak Area	09:00	Cloudy	<i>169.9</i>	157.0	260.0	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 KTD2d on 13 March 2023 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 KTD2d is/are as follow:</p> <ol style="list-style-type: none"> 1. It observed that a stockpile of excavated dusty material with impervious sheet was not covered thoroughly from the construction site which did not belong to BTP. (See Photo 1) 2. There was an ashtray next to the HVS, which may cause dust nuisance and affect the result. (See Photo 2) 3. Dry weather

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- Notification of Exceedances

Photo Record (Photo Taken by ET)

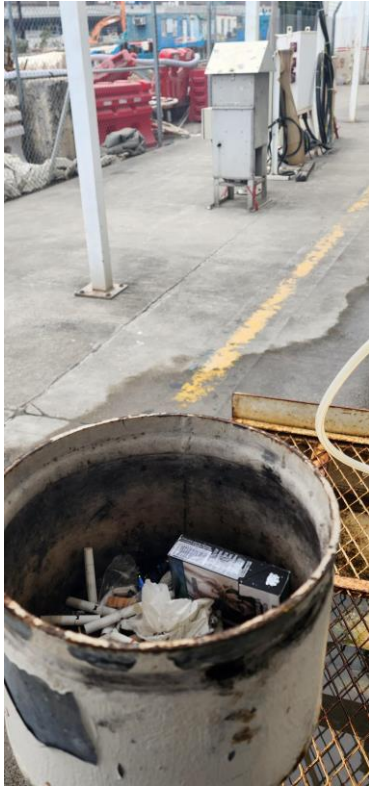


Photo 1



Photo 2

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- Notification of Exceedances

Part C – Conclusion

Based on the finding(s) and observation(s) above, we deduce the Action Level exceedance of 24-hour TSP recorded at station KTD2d on 13 March 2023 is due to the construction activities which does not belong to BTP and the ashtray. Therefore, the exceedance is considered as **non-project related**.

Part D – Recommendation

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

Part E – Follow-up Action Taken

According to the Event and Action Plan of the EM&A Manual of Trunk Road T2 project under EP-451/2013, the follow-up action of this exceedance is/are taken by ET as follow:

1. Informed the investigation result to other parties (i.e., IEC and ER).
2. ET will always pay attention to the implementation of mitigation measures by Contractor and advise the ER on the effectiveness of such measures.
3. A remeasurement was carried out on 24 March 2023, no action / limit level exceedance was recorded. The monitoring results is tabulated as below:

Station	Location	Time	Weather Condition	Conc. (µg/m ³)	Action Level (µg/m ³)	Limit Level (µg/m ³)	Level exceeded
KTD2d	Next to the SOR Office of Trunk Road T2 in Kai Tak Area	0900 (24 Mar 2023) – 0900 (25 Mar 2023)	Cloudy	28.5	173.0	260.0	N/A

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- Notification of Exceedances

NOE No. 230313_24hrTSP (CKL2) Exceedance Level: **Limit**

Date of Air Quality Monitoring: 13 March 2023

Part A – Exceedance Summary Tables

Table I: Parameter(s) – 24-hour TSP

Station	Location	Starting Time	Weather Condition	Conc. (µg/m ³)	Action Level (µg/m ³)	Limit Level (µg/m ³)	Level exceeded
CKL2	Flat 103 Cha Kwo Ling Village	09:00	Sunny	<u>300.0</u>	183.0	260.0	Limit

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)</p> <p>24-hour TSP monitoring measured at CKL2 on 13 March 2023 exceeded the limit level.</p>
<p>(b) Cause of exceedance(s)</p> <p>According to the observation of our field staff and the information provided by ER and Contractor, the Investigation result for exceedance identified at CKL2 is/are as follow:</p> <ol style="list-style-type: none"> 1. Fluctuation of road traffic along the Cha Kwo Ling Road, especially the completion of TKOLTT, a numerous of dump trucks from other construction site transport their C&D material through Cha Kwo Ling Road to TKO Area 137 via TKOLTT (Photo 1 & 2). 2. Steel work was performed at Portion Q (near CKL2), no dusty activities (i.e Excavation, loading or unloading of C&D material) were performed at this section.

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- Notification of Exceedances



Photo 1



Photo 2

Environmental Permit No.: EP-451/2013
Environmental Team for Trunk Road T2

- Notification of Exceedances

Part C – Conclusion

Based on the finding(s) and observation(s) above, we deduce the Limit Level exceedance of 24-hour TSP recorded at station CKL2 on 13 March 2023 is due to fluctuation of road traffic, therefore, the exceedance is considered as **non-project related**.

Part D – Recommendation

Although the exceedance is considered as non-project related, contractor is reminded 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.

Part E – Follow-up Action Taken

According to the Event and Action Plan of the EM&A Manual of Trunk Road T2 project under EP-451/2013, the follow-up action of this exceedance is/are taken by ET as follow:

1. Informed the investigation result to other parties (i.e., IEC and ER).
2. ET will always pay attention to the implementation of mitigation measures by Contractor and advise the ER on the effectiveness of such measures.
3. A remeasurement was carried out on 16 March 2023, an action level exceedance was recorded. The monitoring results is tabulated as below:

Station	Location	Time	Weather Condition	Conc. (µg/m ³)	Action Level (µg/m ³)	Limit Level (µg/m ³)	Level exceeded
CKL2	Flat 103 Cha Kwo Ling Village	0900 (16 Mar 2023) – 0900 (17 Mar 2023)	Sunny	255.3	173.0	260.0	Action

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- Notification of Exceedances

NOE No. 230317_24hrTSP (CKL2) **Exceedance Level: Action**

Date of Air Quality Monitoring: 17 March 2023

Part A – Exceedance Summary Tables

Table I: Parameter(s) – 24-hour TSP

Station	Location	Starting Time	Weather Condition	Conc. (µg/m ³)	Action Level (µg/m ³)	Limit Level (µg/m ³)	Level exceeded
CKL2	Flat 103 Cha Kwo Ling Village	09:00	Sunny	246.5	183.0	260.0	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)

(a) Statement of exceedance(s) 24-hour TSP monitoring measured at CKL2 on 17 March 2023 exceeded the action level.
(b) Cause of exceedance(s) According to the observation of our field staff and the information provided by ER and Contractor, the Investigation result for exceedance identified at CKL2 is/are as follow: 1. Fluctuation of road traffic along the Cha Kwo Ling Road, especially the completion of TKOLTT, a numerous of dump trucks from other construction site transport their C&D material through Cha Kwo Ling Road to TKO Area 137 via TKOLTT (Photo 1 & 2). 2. Steel work was performed at Portion Q (near CKL2), no dusty activities (i.e Excavation, loading or unloading of C&D material) were performed at this section.

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- Notification of Exceedances



Photo 1



Photo 2

Environmental Permit No.: EP-451/2013
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- Notification of Exceedances

Part C – Conclusion

Based on the finding(s) and observation(s) above, we deduce the Action Level exceedance of 24-hour TSP recorded at station CKL2 on 17 March 2023 is due to fluctuation of road traffic, therefore, the exceedance is considered as **non-project related**.

Part D – Recommendation

Although the exceedance is considered as non-project related, contractor is reminded 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.

Part E – Follow-up Action Taken

According to the Event and Action Plan of the EM&A Manual of Trunk Road T2 project under EP-451/2013, the follow-up action of this exceedance is/are taken by ET as follow:

1. Informed the investigation result to other parties (i.e., IEC and ER).
2. ET will always pay attention to the implementation of mitigation measures by Contractor and advise the ER on the effectiveness of such measures.
3. A remeasurement was carried out on 24 March 2023, an action level exceedance was recorded. The monitoring results is tabulated as below:

Station	Location	Time	Weather Condition	Conc. (µg/m ³)	Action Level (µg/m ³)	Limit Level (µg/m ³)	Level exceeded
CKL2	Flat 103 Cha Kwo Ling Village	0900 (24 Mar 2023) – 0900 (25 Mar 2023)	Sunny	244.8	173.0	260.0	Action

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NOE No. 230323_24hrTSP (CKL2) **Exceedance Level: Action**

Date of Air Quality Monitoring: 23 March 2023

Part A – Exceedance Summary Tables

Table I: Parameter(s) – 24-hour TSP

Station	Location	Starting Time	Weather Condition	Conc. (µg/m ³)	Action Level (µg/m ³)	Limit Level (µg/m ³)	Level exceeded
CKL2	Flat 103 Cha Kwo Ling Village	09:00	Sunny	247.7	183.0	260.0	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)</p> <p>24-hour TSP monitoring measured at CKL2 on 23 March 2023 exceeded the action level.</p>
<p>(b) Cause of exceedance(s)</p> <p>According to the observation of our field staff and the information provided by ER and Contractor, the Investigation result for exceedance identified at CKL2 is/are as follow:</p> <ol style="list-style-type: none"> 1. Fluctuation of road traffic along the Cha Kwo Ling Road, especially the completion of TKOLTT, a numerous of dump trucks from other construction site transport their C&D material through Cha Kwo Ling Road to TKO Area 137 via TKOLTT (Photo 1 & 2). 2. Steel work was performed at Portion Q (near CKL2), no dusty activities (i.e Excavation, loading or unloading of C&D material) were performed at this section.

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Photo 1



Photo 2

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Part C – Conclusion

Based on the finding(s) and observation(s) above, we deduce the Action Level exceedance of 24-hour TSP recorded at station CKL2 on 23 March 2023 is due to fluctuation of road traffic, therefore, the exceedance is considered as **non-project related**.

Part D – Recommendation

Although the exceedance is considered as non-project related, contractor is reminded 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.

Part E – Follow-up Action Taken

According to the Event and Action Plan of the EM&A Manual of Trunk Road T2 project under EP-451/2013, the follow-up action of this exceedance is/are taken by ET as follow:

1. Informed the investigation result to other parties (i.e., IEC and ER).
2. ET will always pay attention to the implementation of mitigation measures by Contractor and advise the ER on the effectiveness of such measures.
3. A remeasurement was carried out on 31 March 2023, no action / limit level exceedance was recorded. The monitoring results is tabulated as below:

Station	Location	Time	Weather Condition	Conc. (µg/m ³)	Action Level (µg/m ³)	Limit Level (µg/m ³)	Level exceeded
CKL2	Flat 103 Cha Kwo Ling Village	0900 (31 Mar 2023) – 0900 (1 Apr 2023)	Sunny	123.2	173.0	260.0	N/A