Development at West Kowloon Cultural District

Quarterly Environmental Monitoring and Audit (EM&A) Report (May 2024 – July 2024)

August 2024

This Quarterly EM&A Report has been reviewed and certified by the Environmental Team Leader (ETL) and verified by the Independent Environmental Checker (IEC).

Certified by:

Max Lee
Environmental Team Leader (ETL)
West Kowloon Cultural District Authority

Date 26 August 2024

Verified by:

Claudine Lee
Independent Environmental Checker (IEC)
Meinhardt Infrastructure & Environment Ltd

Date 27 August 2024

This Report Consists of:

Part-1: EM&A at Lyric Theatre Complex

and

Part-2: EM&A for ELS Works for The Integrated Basement and Underground Road in Zones 2A, 2B & 2C

Part-1: EM&A at Lyric Theatre Complex

MOTT MACDONALD

Lyric Theatre Complex

Mott MacDonald
3/F International Trade Tower
348 Kwun Tong Road
Kwun Tong
Kowloon
Hong Kong

T +852 2828 5757
mottmac.hk

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Executive summary

This Quarterly EM&A Report presents the monitoring works at Lyric Theatre Complex conducted from 1 May 2024 to 31 July 2024. The construction works and EM&A programme for M+ Museum was commenced on 31 October 2015 and completed on 28 February 2021; while the construction works and EM&A programme for Lyric Theatre Complex (L1 and L2 Contracts) was commenced on 1 March 2016, and the EM&A programme for L1 Contract was completed on 30 June 2021.

The impact stage EM&A programme for the Project includes air quality, noise, water quality, waste, landscape and visual monitoring. The recommended environmental mitigation measures were implemented on site and regular inspections were carried out to ensure that the environmental conditions are acceptable.

The EM&A programme was carried out by the ET in accordance with the EM&A Manual requirements. It is concluded from the environmental monitoring and audit works that adequate environmental mitigation measures have been implemented by the contractors where appropriate in the reporting quarter.

Exceedance of Action and Limit Levels

There was no breach of Action and Limit levels for Air Quality (1-hour TSP and 24-hour TSP) and Noise in this reporting quarter.

Implementation of Mitigation Measures

Construction phase weekly site inspections were carried out to confirm the implementation measures undertaken by the Contractors in the reporting quarter. The status of implementation of mitigation measures during the reporting quarter is shown in **Appendix C**.

Landscape and visual impact inspections were conducted as part of the abovementioned weekly site inspections during the reporting quarter. No adverse comment on landscape and visual aspects were made during these inspections.

Record of Complaints

Two complaints were received during the reporting quarter.

Record of Notifications of Summons and Successful Prosecutions

No notifications of summons and successful prosecutions were recorded in the reporting quarter.

1 Introduction

1.1 Background

Mott MacDonald Hong Kong Limited (MMHK) was commissioned to undertake the Environmental Team (ET) services (including environmental monitoring and audit (EM&A)) for the construction of M+ Museum Main Works (Contract No.: CC/2015/3A/022) and Lyric Theatre Complex including the Foundation Works (Contract No.: CC/2015/3A/014), L1 Contract (Contract No. CC/2017/3A/030) and L2 Contract (Contract No. CC/2017/3A/031) at West Kowloon Cultural District (WKCD) (The Project) as part of the WKCD development. The Project Proponent is the West Kowloon Cultural District Authority (WKCDA). The construction works and EM&A programme for M+ Museum was commenced on 31 October 2015 and completed on 28 February 2021; while the construction works and EM&A programme for Lyric Theatre Complex (L1 and L2 Contracts) was commenced on 1 March 2016, and the EM&A programme for L1 Contract was completed on 30 June 2021.

The overall works for the WKCD fall under two separate categories of Designated Project (DP) of the Environmental Impact Assessment Ordinance (EIAO), namely an “engineering feasibility study of urban development projects with a study area covering more than 20 ha or involving a total population of more than 100 000” (Item 1 of Schedule 3) and “an underpass more than 100m in length under the built areas” (Item A.9, Part I, Schedule 2). An Environmental Permit No. EP-453/2013/B (EP) was issued with respect to the “Underpass Road and Austin Road Flyover Serving the West Kowloon Cultural District” which specifically includes the abovementioned category of DP under Item A.9, Part I, Schedule 2 of the EIAO. The captioned projects include part of the abovementioned underpass road located within the site boundary also falls under this same category.

The M+ museum development aims to provide an iconic presence for the M+ museum, semi-transparent vertical plane, housing education facilities, a public restaurant and museum offices. At ground and lower levels, generous access will be provided to the park and other West Kowloon Cultural District facilities, alongside a public resource centre, theatres, retail and dining, and back-of-house functions.

The 1,200-seat Lyric Theatre Complex will be Hong Kong’s first world-class facility for dance performances, including ballet, contemporary and Chinese dance forms. In the run up to the opening of further major performing arts venues in the WKCD, it will also be used for a wide variety of performing arts events including drama, opera and musical performances. The Lyric Theatre Complex will act as a platform for Hong Kong’s leading arts organisations and be a new major venue to show programmes from Asia and worldwide.

The Quarterly EM&A Report is prepared in accordance with the Clause 3.4 of the Environmental Permit No. EP-453/2013/B. This Quarterly EM&A Report presents the monitoring works conducted from 1 May 2024 to 31 July 2024. The purpose of this report is to summarise the findings in the EM&A of the project over the reporting period.

1.2 Project Organisation

The organisation chart and lines of communication with respect to the on-site environmental management structure together with the contact information of the key personnel are shown in **Appendix A**.

1.3 Status of Construction Works in the Reporting Period

During the reporting period, construction works at L2 undertaken include:

- LTC construction

  Structure (Slab, wall, columns and beam)
  - Falsework and formwork erection
  - Reinforcement work
  - Concrete work
  - Scaffolding installation
  - Floating slab installation

  ABWF & MEP work

  Façade work
- ASDA and Lyric Theatre Promenade
  - Structure and MEP works
  - Construction of FTNS draw pit and ducting
  - Defects rectification
  - CLP cabling work at Austin Road
- DCS cofferdam (Cofferdam B)
  - Backfilling
  - Construction of Valve chamber
  - Construction of thrust block for DCS pipes
  - Excavation work for drainage work and UU services
- Extended basement
  - ABWF & MEP works
- Underpass and Associated Area
  - Structure works
  - ABWF & MEP works

The Construction Works Programme of the Project is provided in **Appendix B**. A layout plan of the Project is provided in **Figure 1**.

2 Summary of EM&A Requirements and Mitigation Measures

2.1 Monitoring Requirements

In accordance with the EM&A Manual, environmental parameters including air quality, noise, landscape and visual have been monitored. The specific parameters, monitoring frequency and the respective Action and Limit levels are given in **Table 2.1**. Locations of the monitoring stations are provided in **Figure 1**.

Table 2.1: Summary of Impact EM&A Requirements

Parameters	Descriptions	Locations	Frequencies	Action level	Limit level
Air Quality	24-Hour TSP	AM1 - International Commerce Centre	At least once every 6 days	143.6 μg/m^3	260 μg/m^3
	1-Hour TSP	AM1 - International Commerce Centre	At least 3 times every 6 days	273.7 μg/m^3	500 μg/m^3
	24-Hour TSP	AM2 - The Harbourside Tower 1	At least once every 6 days	151.1 μg/m^3	260 μg/m^3
	1-Hour TSP	AM2 - The Harbourside Tower 1	At least 3 times every 6 days	274.2 μg/m^3	500 μg/m^3
Noise	Leq, 30 minutes	NM1- The Harbourside Tower 1	Weekly	When one documented complaint is received from any one of the sensitive receivers	75 dB(A)
Landscape & Visual	Monitor implementation of proposed mitigation measures during the construction stage	As described in Table 9.1 and 9.2 of the EM&A Manual	Bi-weekly	N/A	N/A

In the context of the monitoring activities at M+ Museum and the Lyric Complex, three monitoring stations had been considered, including AM1 (International Commerce Centre), AM2 (The Harbourside Tower 1) for air monitoring, and NM1 (The Harbourside Tower 1) for noise monitoring. Other monitoring locations were so far away from M+ Museum and the Lyric Complex and could not be representative for impact monitoring.

The Harbourside management office formally rejected our proposal of setting up air quality and noise monitoring equipment on its premises at the podium level of Tower 1 (AM2/NM1) on 10 November 2015. Nevertheless, a suitable air quality monitoring location at AM2 was identified on the ground floor in front of The Harbourside Tower 1, which is at the same location as that of baseline monitoring for consistency. No management approval is required on the ground floor for conducting the air monitoring. However, the electricity supply at AM2 was suspended from 31 August 2016. In order to have a more secure electricity supply, an alternative air monitoring location (AM2A) was identified at Austin Road West opposite to The Harbourside Tower 1, which

is close to Lyric Theatre Complex site entrance. This alternative air monitoring location was approved by EPD on 28 September 2016. Due to the works programme, the air monitoring location AM2A has been relocated to the alternative monitoring location AM2B at the 1st floor of Gammon's site office, which was approved by EPD on 21 February 2019. In view of the upcoming construction works to be undertaken at the air monitoring station AM2B, AM2B was no longer available for conducting the impact air quality monitoring. Hence, an alternative air monitoring location was identified on the ground floor in front of The Harbourside Tower 1 (AM2) which is at the same location as the baseline monitoring and this previously approved monitoring location had also been used for the EM&A Programme from November 2015 to August 2016, the relocation was approved by EPD on 27 May 2021.

Alternative noise monitoring location was identified at The Arch (NM2); however, The Arch management office formally rejected our proposal of setting up noise monitoring equipment on its premises on 23 November 2015. On the other hand, noise monitoring at G/F of Harbourside could not be representative. However, approval from the management office of the International Commerce Centre has been granted on 29 February 2016 for conducting noise monitoring at the alternative noise monitoring location identified at the podium floor (NM1A) which is free from screening to the construction activities.

In short, 2 air quality monitoring stations and 1 noise impact monitoring station were confirmed for the impact monitoring.

2.2 Environmental Mitigation Measures

Environmental mitigation measures have been recommended in the EM&A Manual. Summary of implementation status of the environmental mitigation measures is provided in **Appendix C**.

3 Summary of EM&A Results

3.1 Monitoring Data

Impact monitoring has been conducted in the reporting quarter. Meteorological data for the reporting quarter have been extracted from Hong Kong Observatory and presented in **Appendix D**. Monitoring data with graphical presentation for the reporting quarter are shown in **Appendix E**. A summary on the monitoring results is presented in **Table 3.1**.

Table 3.1: Summary of Monitoring Data

Parameter	Monitoring Location	Minimum	Maximum	Average
Air Quality				
1 hour TSP	AM1	15	41	25
	AM2	21	55	34
24 hour TSP	AM1	10	32	18
	AM2	18	45	26
Construction Noise				
Leq(30min)	NM1A	63	65	64

3.2 Monitoring Exceedances

Summary of the exceedances in the reporting quarter is tabulated in **Table 3.2**.

Table 3.2: Summary of Exceedances

Monitoring Station	Parameter	No. of Exceedance		Action Taken
		Action Level	Limit Level	
Air Quality				
AM1	1 hour TSP	0	0	N/A
	24 hour TSP	0	0	N/A
AM2	1 hour TSP	0	0	N/A
	24 hour TSP	0	0	N/A
Construction Noise				
NM1A	Leq(30min)	0	0	N/A

3.2.1 1-hour TSP Monitoring

All 1-hour TSP monitoring was conducted as scheduled in the reporting quarter. No Action/ Limit Level exceedance was recorded.

3.2.2 24-hour TSP Monitoring

All 24-hour TSP monitoring was conducted as scheduled in the reporting quarter. No Action/ Limit Level exceedance was recorded.

3.2.3 Construction Noise Monitoring

All construction noise monitoring was conducted as scheduled in the reporting quarter. No Action/ Limit Level exceedance was recorded.

3.2.4 Landscape and Visual Monitoring

All landscape and visual impact inspections were conducted as scheduled in the reporting quarter. No adverse comment on landscape and visual aspects were recorded.

4 Waste Management

4.1 Lyric Theatre Complex

As advised by the Contractor (L2 Contract), 1,463.0 tonnes, 418.3 tonnes and 0.0 tonne of inert C&D material were disposed of as public fill to Tseung Kwan O Area 137, Tuen Mun Area 38, and Chai Wan Public Fill Barging Point respectively in the reporting quarter, while 1,123.9 tonnes of general refuse were disposed of at SENT and WENT landfill. 133.9 tonnes of metals, 0.7 tonnes of paper/cardboard packaging, 0.0 tonne of plastic and 0.0 tonne of timber were collected by recycling contractors in the reporting quarter. 0.0 tonne of inert C&D materials was reused on site. 0.0 tonne of fill materials was imported for use at site and 0.0 tonne of inert C&D materials was reused in other projects. 0.0 tonne of inert C&D materials were disposed to sorting facility and 0.0 tonne of chemical waste were collected by licensed contractors in the reporting quarter.

The actual amount of different types of waste generated by the activities of construction works at Lyric Theatre Complex in the reporting quarter are shown in **Appendix F**.

5 Environmental Non-conformance

There was no breach of Action or Limit levels for Air Quality (1-hour TSP and 24-hour TSP) and Noise in the reporting quarter.

Two complaints were received in the reporting quarter.

On 2 July 2024, the M+ Contact Centre received a complaint from a public regarding noise impact on 29 June 2024, and the complaint was referred by the WKCDA on the next day (i.e. 3 July 2024). The complainant claimed that maintenance works noise was heard during the playing of movie on 29 June 2024 at the M+ Cinema, and the movie start time was at around 2:30 p.m.

Based on the investigation, the major construction activities for Lyric Theatre Complex (L2 Contract) were carried out between 8:00 a.m. and 7:00 p.m. which is compliant with the statutory requirement. The potential noisy works (e.g. breaking) were rescheduled after 9:00 a.m. to minimise the potential impact to the nearby residents. Preventive and mitigation measures are well-deployed and maintained by the Contractor including noise insulating fabric for breaking works, as well as regular briefings and meetings with subcontractors. And from the regular noise monitoring results, the results were well below the action/limit levels such that the construction works of Lyric Theatre Complex (L2 Contract) should not be posing significant impacts to the nearby sensitive receivers. Further investigation was undertaken subsequent to the receipt of the complaint, such that a possible noise source was identified in the proximity which was out of the Lyric Theatre site boundary. As concluded from the above investigation and findings, it could not directly imply the complaint was attributable to Lyric Theatre Complex (L2 Contract). However, the contractor is reminded to strictly implement and maintain good site practices to avoid noise impact to the nearby residents and sensitive receivers.

On 12 July 2024, Culture, Sports and Tourism Bureau (CSTB) received a complaint regarding water quality and waste management and referred the case on the same day. The complainant claimed that at around 12 noon on 10 July 2024, construction waste was observed at the waters near to the barge of WKCD construction sites, and suspected that the waste was generated from the barge in operation.

Based on the investigation, it was found that the concerned location was not within the site boundary of Lyric Theatre Complex (L2 Contract) and no marine works are undertaken by Lyric Theatre Complex (L2 Contract). Therefore, the complaint could not be attributable to Lyric Theatre Complex (L2 Contract). Although the complaint may not be attributable to Lyric Theatre Complex (L2 Contract), water quality and waste management mitigation measures will continue to be strictly implemented on site. Nevertheless, the contractors are reminded to strengthen the implementation of the recommendation for water and waste mitigation measures to reduce impact to the public.

No notifications of summons and successful prosecutions were received in the reporting quarter.

The cumulative statistics on complaints, notifications of summons and successful prosecutions were provided in **Appendix G**.

6 Comments, Recommendations and Conclusion

6.1 Comments

Based on the observations made during site audits, landscape inspections, and construction dust and noise monitoring results, no non-compliances and exceedances of air quality and noise were recorded in the reporting quarter.

6.2 Recommendations

Reviewing the implementation of the recommended mitigation measures in the EM&A Manual, it was observed that they were effective and efficient in controlling the potential impacts due to construction of the project during the reporting period. Review of the effectiveness and efficiency of the EM&A programme will continue, and recommendations will be provided to remediate any potential impacts due to the project and to improve the EM&A programme if deficiencies of the existing EM&A programme are identified.

6.3 Conclusion

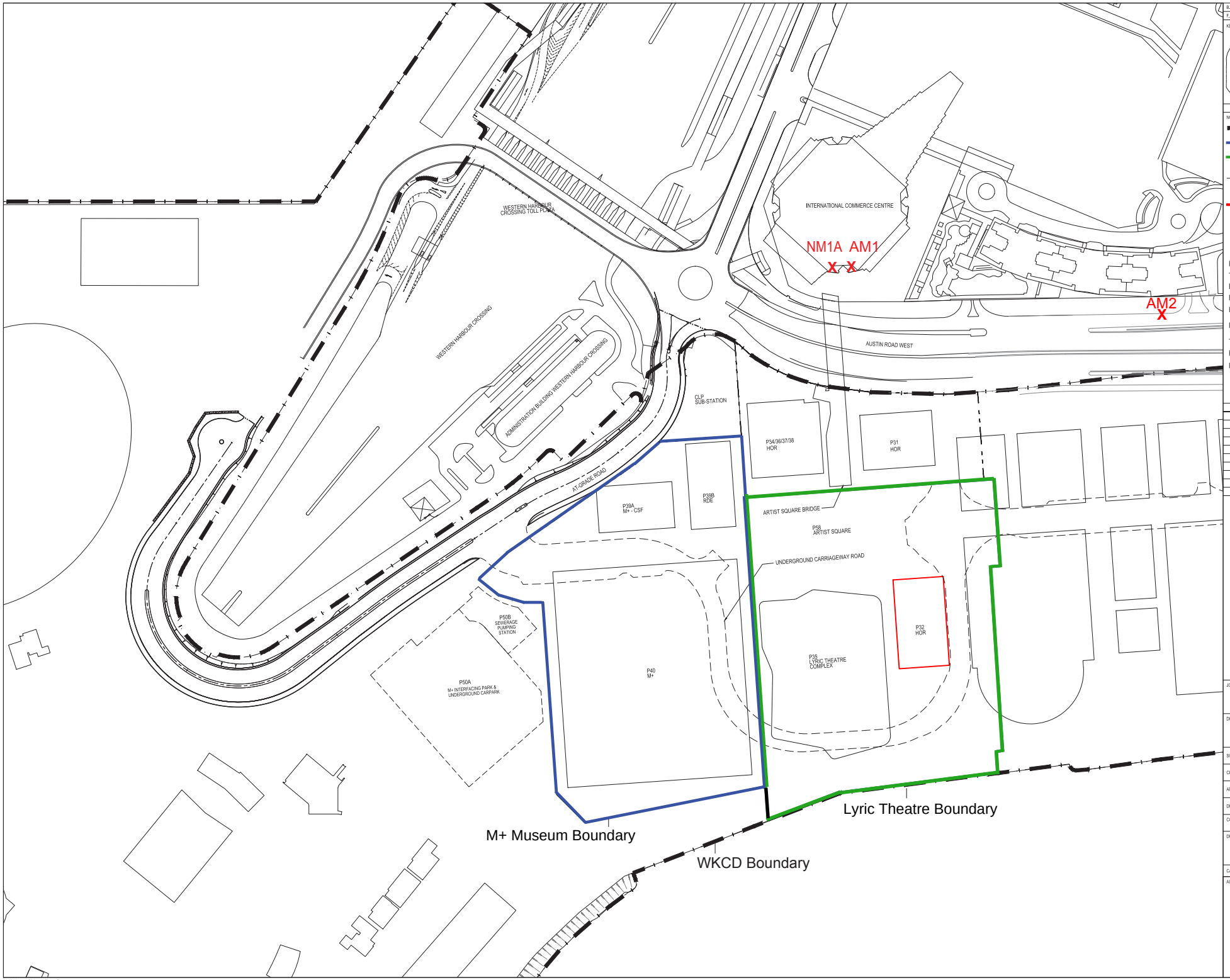
The EM&A programme as recommended in the EM&A Manual has been undertaken. The construction works and EM&A programme for M+ Museum was commenced on 31 October 2015 and completed on 28 February 2021; while the construction works and EM&A programme for Lyric Theatre Complex (L1 and L2 Contracts) was commenced on 1 March 2016, and the EM&A programme for L1 Contract was completed on 30 June 2021.

Monitoring of air quality and noise with respect to the Project is underway. In particular, the 1-hour TSP, 24-hour TSP and noise level (as Leq, 30 minutes) under monitoring have been checked against established Action and Limit levels. There was no breach of Action and Limit levels for Air Quality (1-hour TSP and 24-hour TSP) and Noise in this reporting quarter.

Two complaints were received in the reporting quarter. No notifications of summons and successful prosecutions were received during the reporting quarter.

Weekly construction phase site inspections and bi-weekly landscape and visual impact inspections were conducted during the reporting quarter as required. It was observed that the Contractor had implemented all possible and feasible mitigation measures to mitigate the potential environmental impacts during construction phase works.

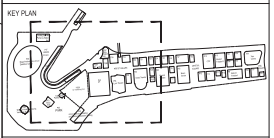
Figure 1 Site Layout Plan and Monitoring Stations



B.D. REF:

F.S.D. REF:

KEY PLAN



KEY PLAN

NOTES:

- WKCD BOUNDARY
- M+ MUSEUM BOUNDARY
- LYRIC THEATRE BOUNDARY
- BOUNDARY OF UNDERPASS ROAD SERVING THE PLANNED WKCD
- AREA HANDED OVER TO SUN HUNG KAI PROPERTIES
- X CONSTRUCTION AIR/NOISE MONITORING STATIONS

REMARKS 1:

THE AIR MONITORING STATION AM2B HAS BEEN RELOCATED TO THE ALTERNATIVE MONITORING STATION AM2 AT THE G/F OF HARBOURSIDE ON 1 JUNE 2021

REMARKS 2:

THE SITE P32 (DELINEATED IN RED) WAS HANDED OVER TO SUN HUNG KAI PROPERTIES ON 31 JANUARY 2023.

REV.	DATE	DESCRIPTION	INITIAL

JOB TITLE: **M+ MUSEUM FOR VISUAL CULTURE (MAIN CONTRACT WORKS) & LYRIC THEATRE COMPLEX**

DRAWING TITLE: **PROPOSED LOCATIONS OF CONSTRUCTION AIR/NOISE MONITORING STATIONS**

SCALE	1:100	PRINTED	A1
CHECKED		DATE	
APPROVED		DATE	
DRAWN		DATE	
CONTRACT NO.			

DRAWING NO.: **FIGURE 1** REV.: XA

CAD REF NAME: XXXXX-AUT-PMS-DWG-P00-L000-0000-XXX.dwg

AUTHORITY

westKowloon 西九文化區

A1 (841mm x 594mm) Sheet Size

Appendices

A. Project Organisation
B. Construction Programme
C. Environmental Mitigation Measures – Implementation Status
D. Meteorological Data Extracted from Hong Kong Observatory
E. Graphical Plots of the Monitoring Results
F. Waste Flow table
G. Cumulative Statistics on Complaints, Notifications of Summons and Successful Prosecutions

A. Project Organisation

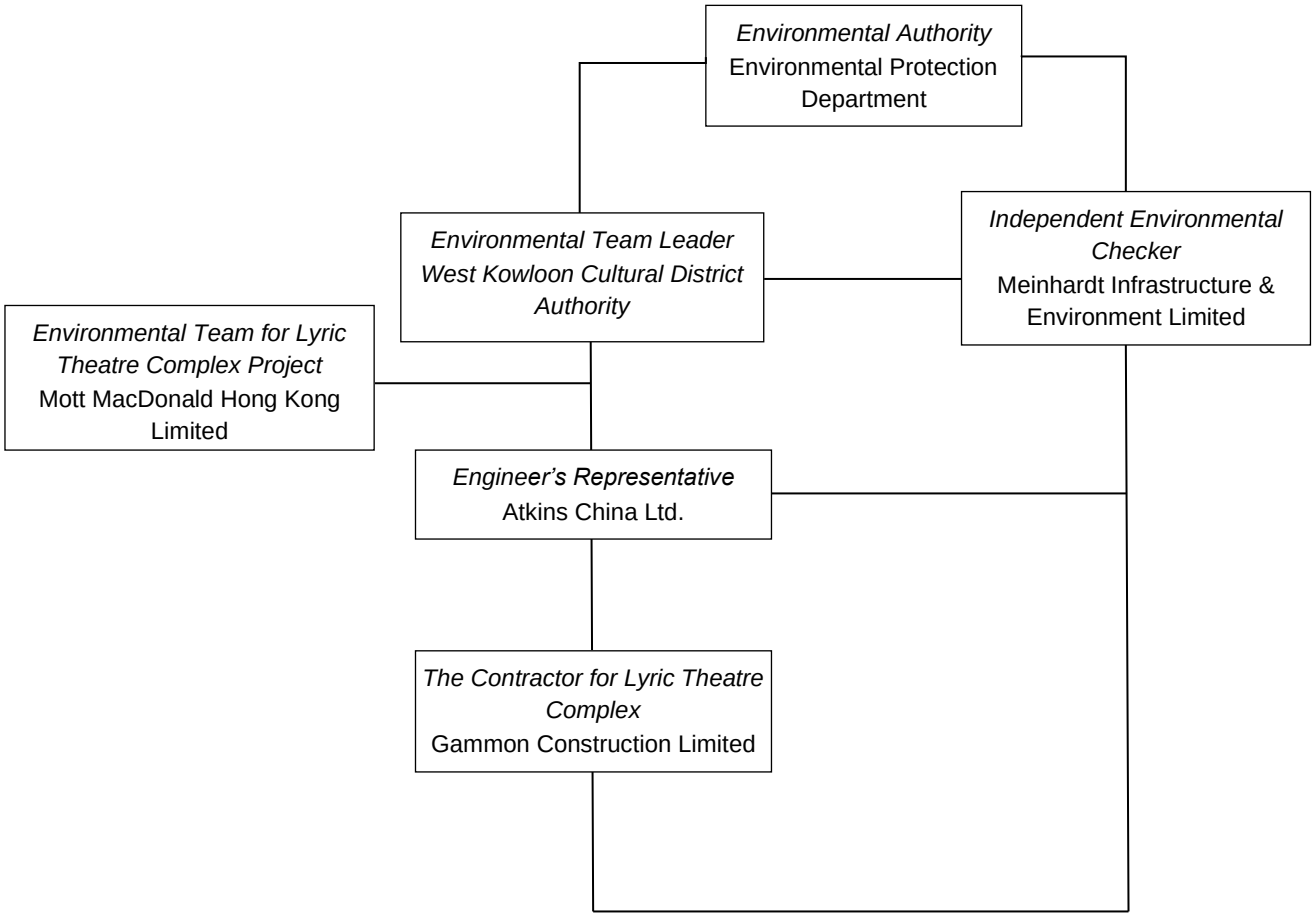


Table A-1: Contact information

Company Name	Role	Name	Telephone	Email
Atkins China Ltd.	Project Manager	Mr. Simha LytheRao	2204 8259	Simha.Lytherao@atkinsglobal.com
Meinhardt Infrastructure & Environment Limited	Independent Environmental Checker	Ms. Claudine Lee	2859 5409	claudinelee@meinhardt.com.hk
Gammon Construction Limited (L2)	Environmental Manager	Ms. Fiona Law	9156 7654	fiona.cm.law@gammonconstruction.com
Mott MacDonald Hong Kong Ltd.	Contractor's Environmental Team Leader	Mr. Thomas Chan	2828 5757	thomas.chan@mottmac.com
West Kowloon Cultural District Authority	Project Manager (Health, Safety and Environment)	Mr. Max Lee	2200 0782	max.sl.lee@wkcda.hk

B. Construction Programme

TASK filter: UPD: Summary Level 1 Prog.

ID	Activity	RD	EOT #1 Finish	Rev_3B START	Rev_3B FINISH	Current START	Current FINISH	EOT#1 VAR	R_3B VAR.	LM VAR	SUMM TF (approx)
*L2 CMWP_R_3_B - Rev_3B_03 2nd DRAFT [DD=30Apr24] ***L I V E****											
GENERAL & PRELIMINARIES											
Contract Significant Dates											
Commencement & Completion Dates - CMWP_Rev_01											
Section Keydates											
KD05A	Complete Pedestrian Access Corr. & Floor Finishes at AURW	0	28-Feb-21		12-Nov-21		12-Nov-21 A	-256	0	0	
KD05B	Complete Required Pedestrian Access Corridor & associated top slab at Avenue Level [if instructed]	0	14-Feb-21		12-Nov-21		12-Nov-21 A	-270	0	0	
KD05	PC for HO of the Remaining Works for M+ Promenade South	0	24-Aug-20		11-Sep-24		20-Sep-24*	-1479	-9	-9	-9
KD08	PC for HO Local ICT/Riser/SCR/TBE/MNO Rooms	0	09-Aug-23		07-Jan-26		21-Jan-26*	-890	-14	-6	-14
KD10	PC for HO of ASDA, Lyric Theatre Promenade South to Authority	0	09-Aug-23		07-Jan-26		21-Jan-26*	-890	-14	-6	-14
KD09	PC for HO of RDE areas for Tenancy Fit-out Wrks	0	09-Aug-23		07-Jan-26		21-Jan-26*	-890	-14	-6	-14
KD11	PC for HO of Extended Basement for HO to Authority & HO of CW to Relev. Gov Authority	0	09-Aug-23		07-Jan-26		21-Jan-26*	-890	-14	-6	-14
KD07	PRACTICAL COMPLETION for M+ Day 2 Works to the Authority	0	09-Aug-23		06-Feb-26		20-Feb-26*	-920	-14	-6	-14
KD13	PRACTICAL COMPLETION for LT, EB & C'Way 3B (Including PPE)	0	06-Mar-24		07-Aug-26		21-Aug-26*	-892	-14	-6	-14
Stage Keydates											
KD03	OBTAIN OP for Lyric Theatre & Extended Basement	0	10-Jun-23		07-Nov-25		21-Nov-25*	-889	-14	-6	-14
KD01	Compl Dsgn Coor/Subm and obtn NNO for L1 Contr Bsmt constn wrks	0	20-Jul-19		20-Jul-19		20-Jul-19 A	0	0	0	
KD06	PC for Fountain Related Plantroom(s) (allow access to Project Contractor)	0	01-Apr-21		22-Sep-22		22-Sep-22 A	-538	0	0	
KD14	Complete all Necessary Works Incl. Integ_T&C along CW Z3a/Z3b for Rel_Authority Pre-Insp.	0	31-Jan-23		22-Nov-25		06-Dec-25*	-1035	-14	-5	-14
KD02	Obtain BA14 Acknowledge from BD for M+ Day2 A&A Works	0	10-Jun-23		06-Jan-26		20-Jan-26*	-949	-14	-6	-14
CMWP - Summary Program - RSS											
SUM100	[LoE] CC_B - Lyric Theatre	506		02-May-20	22-Jan-26	02-May-20 A	05-Feb-26		-12	-5	159
SUM101	[LoE] CC_C - ASDA and Lyric Theatre Promenade	493		12-Apr-21	07-Jan-26	12-Apr-21 A	21-Jan-26		-12	-5	172
SUM102	[LoE] CC_D - Remaining Works for M+ Promenade South	102		26-May-22	11-Sep-24	26-May-22 A	20-Sep-24		-6	-6	-6
SUM103	[LoE] CC_E - DCS Cofferdam	77		07-Aug-20	04-Jul-24	07-Aug-20 A	16-Aug-24		-31	-16	57
SUM104	[LoE] CC_F - Modification to Existing Pump Cell	191		12-Oct-22	04-Dec-24	12-Oct-22 A	13-Jan-25		-31	-16	57
SUM105	[LoE] CC_G - Extended Basement	318		15-May-21	28-May-25	15-May-21 A	29-May-25		-1	-1	183
SUM106	[LoE] CC_H - Vibration Isolation Spring System Remaining as of 30Apr2020	0		14-Apr-20	06-Feb-21	14-Apr-20 A	06-Feb-21 A		0	0	
SUM107	[LoE] CC_I - Underpass and Associated Area	327		24-Feb-21	09-Jun-25	24-Feb-21 A	10-Jun-25		-1	-1	138
SUM108	[LoE] CC_J - M+ Day 2 Works	486		03-Jun-21	03-Dec-25	03-Jun-21 A	17-Dec-25		-12	-5	14
SUM109	[LoE] CC_K - Water Main at Promenade	189		23-Apr-22	10-Jan-25	23-Apr-22 A	10-Jan-25		0	0	125
SUM110	[LoE] CC_N - Lifts & Escalators	396		16-Aug-21	30-Aug-25	16-Aug-21 A	30-Aug-25		0	0	0
SUM111	[LoE] P32 Interim Development	235		17-May-21	14-Feb-25	17-May-21 A	14-Feb-25		0	0	266
SUM112	[LoE] Project Wide Stat. Inspections & Approval [LTC&EB FSD & BD Summary LTC/EB_3B & 3A)]	146		14-Jul-25	06-Jan-26	28-Jul-25	20-Jan-26		-12	-5	-12

Gammon

Base Line ACT
EOT#1 CD
Base Line MS
Milestone
Current - Other Works
Current - Struct Works
Current - MEP Works

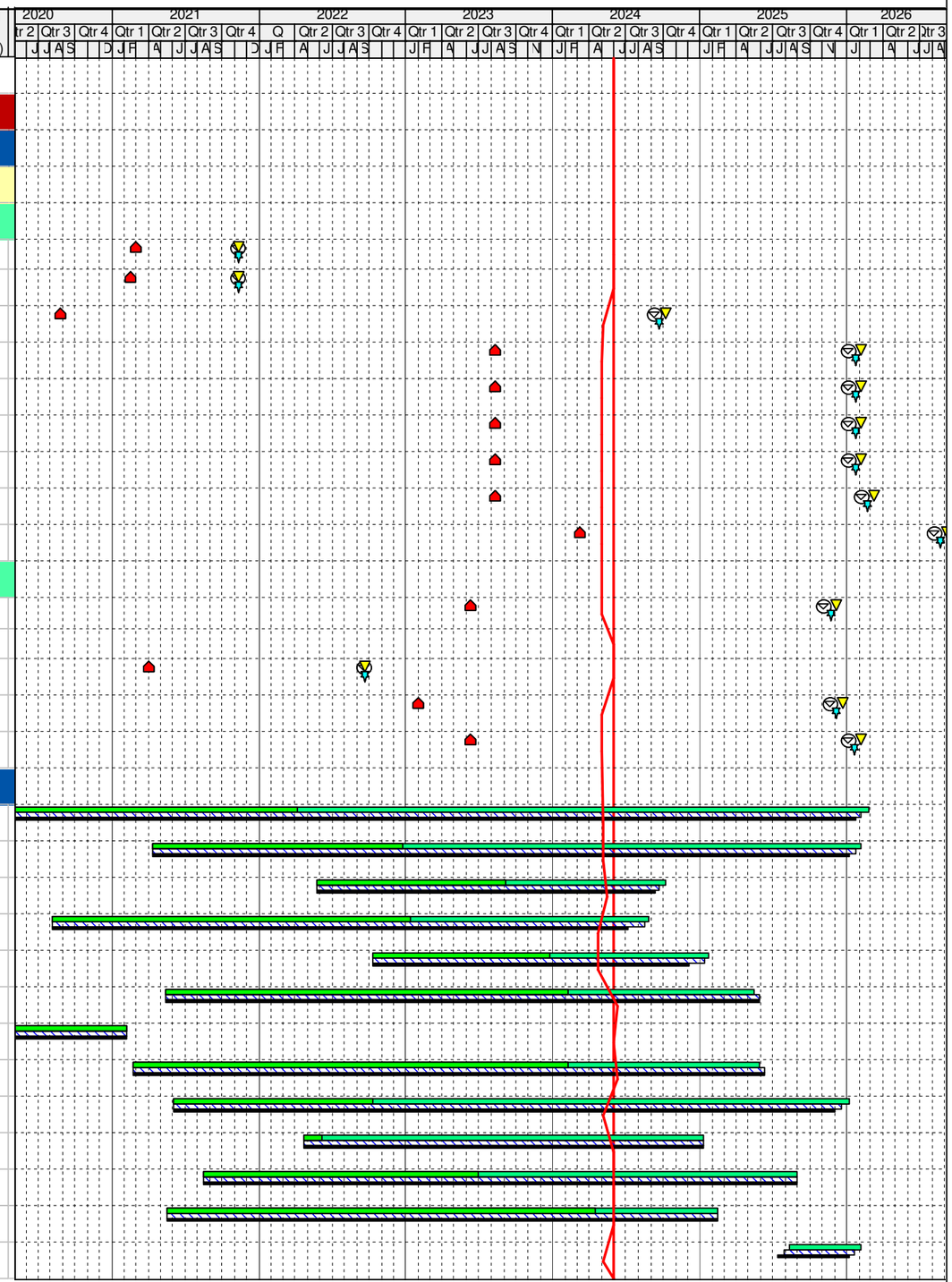
Legend:
RD = Remaining Duration; BL = Base Line; LoE = Level of Effort Activity Type; LM = Last Month; SUMM = Summary; TF = Total Float; VAR = Variance

L2 CMWP_R_3_B - Rev_3B_03 2nd DRAFT [DD=30Apr24] ***L I V E***

Date	Revision	Checked	Approved
17-May-24	CMWP Rev_3_B Apr24 Update	NS	IH

TASK filter: UPD: Summary Level 1 Prog.

ID	Activity	RD	EOT #1 Finish	Rev_3B START	Rev_3B FINISH	Current START	Current FINISH	EOT#1 VAR	R_3B VAR.	LM VAR	SUMM TF (approx)
*L2 CMWP_R_3_B - Rev_3B_04 2nd DRAFT [DD=31May24] ***L I V E***											
GENERAL & PRELIMINARIES											
Contract Significant Dates											
Commencement & Completion Dates - CMWP_Rev_01											
Section Keydates											
KD05A	Complete Pedestrian Access Corr. & Floor Finishes at AURW	0	28-Feb-21		12-Nov-21		12-Nov-21 A	-256	0	0	
KD05B	Complete Required Pedestrian Access Corridor & associated top slab at Avenue Level [if instructed]	0	14-Feb-21		12-Nov-21		12-Nov-21 A	-270	0	0	
KD05	PC for HO of the Remaining Works for M+ Promenade South	0	24-Aug-20		11-Sep-24		07-Oct-24*	-1479	-26	-17	-26
KD08	PC for HO Local ICT/Riser/SCR/TBE/MNO Rooms	0	09-Aug-23		07-Jan-26		05-Feb-26*	-890	-29	-15	-29
KD10	PC for HO of ASDA, Lyric Theatre Promenade South to Authority	0	09-Aug-23		07-Jan-26		05-Feb-26*	-890	-29	-15	-29
KD09	PC for HO of RDE areas for Tenancy Fit-out Wrks	0	09-Aug-23		07-Jan-26		05-Feb-26*	-890	-29	-15	-29
KD11	PC for HO of Extended Basement for HO to Authority & HO of CW to Relev. Gov Authority	0	09-Aug-23		07-Jan-26		05-Feb-26*	-890	-29	-15	-29
KD07	PRACTICAL COMPLETION for M+ Day 2 Works to the Authority	0	09-Aug-23		06-Feb-26		07-Mar-26*	-920	-29	-15	-29
KD13	PRACTICAL COMPLETION for LT, EB & C'Way 3B (Including PPE)	0	06-Mar-24		07-Aug-26		05-Sep-26*	-892	-29	-15	-29
Stage Keydates											
KD03	OBTAIN OP for Lyric Theatre & Extended Basement	0	10-Jun-23		07-Nov-25		06-Dec-25*	-889	-29	-15	-29
KD01	Compl Dsgn Coor/Subm and obtn NNO for L1 Contr Bsmt constn wrks	0	20-Jul-19		20-Jul-19		20-Jul-19 A	0	0	0	
KD06	PC for Fountain Related Plantroom(s) (allow access to Project Contractor)	0	01-Apr-21		22-Sep-22		22-Sep-22 A	-538	0	0	
KD14	Complete all Necessary Works Incl. Integ_T&C along CW Z3a/Z3b for Rel_Authority Pre-Insp.	0	31-Jan-23		22-Nov-25		22-Dec-25*	-1035	-30	-16	-30
KD02	Obtain BA14 Acknowledge from BD for M+ Day2 A&A Works	0	10-Jun-23		06-Jan-26		04-Feb-26*	-949	-29	-15	-29
CMWP - Summary Program - RSS											
SUM100	[LoE] CC_B - Lyric Theatre	497		02-May-20	22-Jan-26	02-May-20 A	25-Feb-26		-25	-13	159
SUM101	[LoE] CC_C - ASDA and Lyric Theatre Promenade	484		12-Apr-21	07-Jan-26	12-Apr-21 A	05-Feb-26		-25	-13	172
SUM102	[LoE] CC_D - Remaining Works for M+ Promenade South	91		26-May-22	11-Sep-24	26-May-22 A	07-Oct-24		-17	-11	-17
SUM103	[LoE] CC_E - DCS Cofferdam	63		07-Aug-20	04-Jul-24	07-Aug-20 A	27-Aug-24		-39	-8	49
SUM104	[LoE] CC_F - Modification to Existing Pump Cell	177		12-Oct-22	04-Dec-24	12-Oct-22 A	22-Jan-25		-39	-8	49
SUM105	[LoE] CC_G - Extended Basement	282		15-May-21	28-May-25	15-May-21 A	16-May-25		10	11	194
SUM106	[LoE] CC_H - Vibration Isolation Spring System Remaining as of 30Apr2020	0		14-Apr-20	06-Feb-21	14-Apr-20 A	06-Feb-21 A		0	0	
SUM107	[LoE] CC_I - Underpass and Associated Area	291		24-Feb-21	09-Jun-25	24-Feb-21 A	27-May-25		10	11	149
SUM108	[LoE] CC_J - M+ Day 2 Works	474		03-Jun-21	03-Dec-25	03-Jun-21 A	05-Jan-26		-25	-13	1
SUM109	[LoE] CC_K - Water Main at Promenade	167		23-Apr-22	10-Jan-25	23-Apr-22 A	10-Jan-25		0	0	125
SUM110	[LoE] CC_N - Lifts & Escalators	371		16-Aug-21	30-Aug-25	16-Aug-21 A	30-Aug-25		0	0	0
SUM111	[LoE] P32 Interim Development	210		17-May-21	14-Feb-25	17-May-21 A	14-Feb-25		0	0	266
SUM112	[LoE] Project Wide Stat. Inspections & Approval [LTC&EB FSD & BD Summary LTC/EB_3B & 3A)]	146		14-Jul-25	06-Jan-26	12-Aug-25	04-Feb-26		-25	-13	-25



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Base Line ACT
EOT#1 CD
Base Line MS
Milestone
Current - Other Works
Current - Struct Works
Current - MEP Works

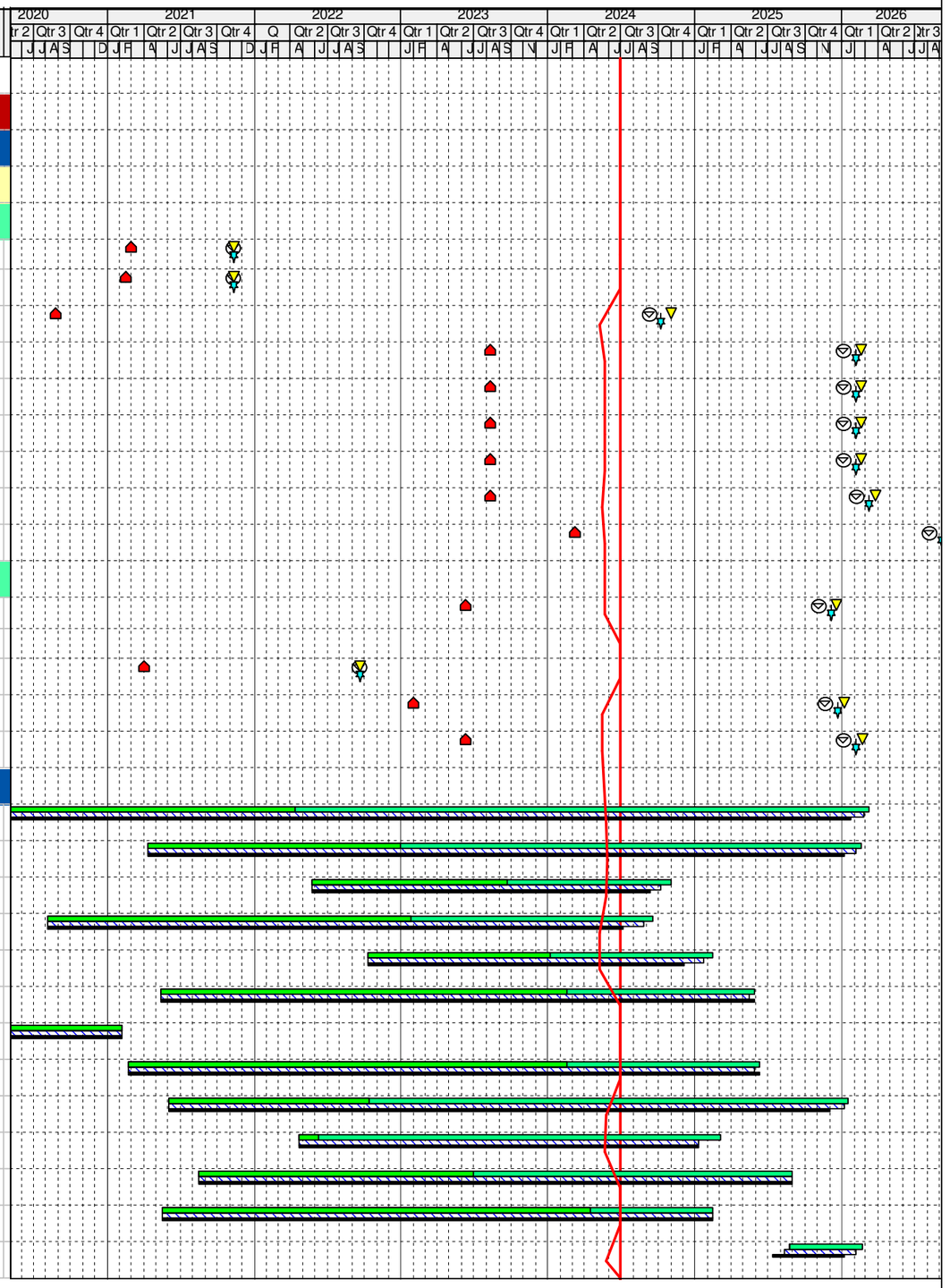
Legend:
RD = Remaining Duration; BL = Base Line; LoE = Level of Effort Activity Type; LM = Last Month; SUMM = Summary; TF = Total Float; VAR = Variance

L2 CMWP_R_3_B - Rev_3B_04 2nd DRAFT [DD=31May24] ***L I V E***

Date	Revision	Checked	Approved
06-Jun-24	CMWP Rev_3_B May24 Update	NS	IH

TASK filter: UPD: Summary Level 1 Prog.

ID	Activity	RD	EOT #1 Finish	Rev_3B START	Rev_3B FINISH	Current START	Current FINISH	EOT#1 VAR	R_3B VAR.	LM VAR	SUMM TF (approx)
*L2 CMWP_R_3_B - Rev_3B_05 2nd DRAFT [DD=30Jun24] ***L I V E***											
GENERAL & PRELIMINARIES											
Contract Significant Dates											
Commencement & Completion Dates - CMWP_Rev_01											
Section Keydates											
KD05A	Complete Pedestrian Access Corr. & Floor Finishes at AURW	0	28-Feb-21		12-Nov-21		12-Nov-21 A	-256	0	0	
KD05B	Complete Required Pedestrian Access Corridor & associated top slab at Avenue Level [if instructed]	0	14-Feb-21		12-Nov-21		12-Nov-21 A	-270	0	0	
KD05	PC for HO of the Remaining Works for M+ Promenade South	0	24-Aug-20		11-Sep-24		02-Nov-24*	-1479	-52	-26	-52
KD08	PC for HO Local ICT/Riser/SCR/TBE/MNO Rooms	0	09-Aug-23		07-Jan-26		18-Feb-26*	-890	-42	-13	-42
KD10	PC for HO of ASDA, Lyric Theatre Promenade South to Authority	0	09-Aug-23		07-Jan-26		18-Feb-26*	-890	-42	-13	-42
KD09	PC for HO of RDE areas for Tenancy Fit-out Wrks	0	09-Aug-23		07-Jan-26		18-Feb-26*	-890	-42	-13	-42
KD11	PC for HO of Extended Basement for HO to Authority & HO of CW to Relev. Gov Authority	0	09-Aug-23		07-Jan-26		18-Feb-26*	-890	-42	-13	-42
KD07	PRACTICAL COMPLETION for M+ Day 2 Works to the Authority	0	09-Aug-23		06-Feb-26		24-Mar-26*	-920	-46	-17	-46
KD13	PRACTICAL COMPLETION for LT, EB & C'Way 3B (Including PPE)	0	06-Mar-24		07-Aug-26		18-Sep-26*	-892	-42	-13	-42
Stage Keydates											
KD03	OBTAIN OP for Lyric Theatre & Extended Basement	0	10-Jun-23		07-Nov-25		19-Dec-25*	-889	-42	-13	-42
KD01	Compl Dsgn Coor/Subm and obtn NNO for L1 Contr Bsmt constn wrks	0	20-Jul-19		20-Jul-19		20-Jul-19 A	0	0	0	
KD06	PC for Fountain Related Plantroom(s) (allow access to Project Contractor)	0	01-Apr-21		22-Sep-22		22-Sep-22 A	-538	0	0	
KD14	Complete all Necessary Works Incl. Integ_T&C along CW Z3a/Z3b for Rel_Authority Pre-Insp.	0	31-Jan-23		22-Nov-25		07-Jan-26*	-1035	-46	-16	-46
KD02	Obtain BA14 Acknowledge from BD for M+ Day2 A&A Works	0	10-Jun-23		06-Jan-26		21-Feb-26*	-949	-46	-17	-46
CMWP - Summary Program - RSS											
SUM100	[LoE] CC_B - Lyric Theatre	487		02-May-20	22-Jan-26	02-May-20 A	10-Mar-26		-36	-11	159
SUM101	[LoE] CC_C - ASDA and Lyric Theatre Promenade	472		12-Apr-21	07-Jan-26	12-Apr-21 A	16-Feb-26		-34	-9	174
SUM102	[LoE] CC_D - Remaining Works for M+ Promenade South	90		26-May-22	11-Sep-24	26-May-22 A	02-Nov-24		-37	-20	-37
SUM103	[LoE] CC_E - DCS Cofferdam	56		07-Aug-20	04-Jul-24	07-Aug-20 A	16-Sep-24		-53	-14	35
SUM104	[LoE] CC_F - Modification to Existing Pump Cell	170		12-Oct-22	04-Dec-24	12-Oct-22 A	12-Feb-25		-53	-14	35
SUM105	[LoE] CC_G - Extended Basement	269		15-May-21	28-May-25	15-May-21 A	29-May-25		-1	-11	391
SUM106	[LoE] CC_H - Vibration Isolation Spring System Remaining as of 30Apr2020	0		14-Apr-20	06-Feb-21	14-Apr-20 A	06-Feb-21 A		0	0	
SUM107	[LoE] CC_I - Underpass and Associated Area	278		24-Feb-21	09-Jun-25	24-Feb-21 A	10-Jun-25		-1	-11	138
SUM108	[LoE] CC_J - M+ Day 2 Works	461		03-Jun-21	03-Dec-25	03-Jun-21 A	17-Jan-26		-36	-11	-10
SUM109	[LoE] CC_K - Water Main at Promenade	188		23-Apr-22	10-Jan-25	23-Apr-22 A	05-Mar-25		-42	-42	83
SUM110	[LoE] CC_N - Lifts & Escalators	347		16-Aug-21	30-Aug-25	16-Aug-21 A	30-Aug-25		0	0	0
SUM111	[LoE] P32 Interim Development	186		17-May-21	14-Feb-25	17-May-21 A	14-Feb-25		0	0	266
SUM112	[LoE] Project Wide Stat. Inspections & Approval [LTC&EB FSD & BD Summary LTC/EB_3B & 3A)]	146		14-Jul-25	06-Jan-26	25-Aug-25	21-Feb-26		-36	-11	-36



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L2 CMWP_R_3_B - Rev_3B_05 2nd DRAFT [DD=30Jun24] ***L I V E***

Date	Revision	Checked	Approved
12-Jul-24	CMWP Rev_3_B Jun24 Update	NS	IH

C. Environmental Mitigation Measures – Implementation Status

Table C-1: Environmental Mitigation Measures Implementation Status

EM&A Ref.	Recommendation Measures	Implementation Stage L2 May 2024	Jun 2024	Jul 2024
Air Quality Impact (Construction)				
2.1 & 10.3.1	**General Dust Control Measures** Frequent water spraying for active construction areas (12 times a day or once every one hour), including Heavy construction activities such as construction of buildings or roads, drilling, ground excavation, cut and fill operations (i.e., earth moving)	Rem	✓	✓
2.1 & 10.3.1	**Best Practice For Dust Control** The relevant best practices for dust control as stipulated in the Air Pollution Control (construction Dust) Regulation should be adopted to further reduce the construction dust impacts from the Project. These best practices include:			
	Good Site Management			
	• Good site management is important to help reducing potential air quality impact down to an acceptable level. As a general guide, the Contractor should maintain high standard of housekeeping to prevent emission of fugitive dust. Loading, unloading, handling and storage of raw materials, wastes or by-products should be carried out in a manner so as to minimise the release of visible dust emission. Any piles of materials accumulated on or around the work areas should be cleaned up regularly. Cleaning, repair and maintenance of all plant facilities within the work areas should be carried out in a manner minimising generation of fugitive dust emissions. The material should be handled properly to prevent fugitive dust emission before cleaning.	Rem	Obs	Obs Rem
	Disturbed Parts of the Roads			
	• Each and every main temporary access should be paved with concrete, bituminous hardcore materials or metal plates and kept clear of dusty materials; or	✓	✓	✓
	• Unpaved parts of the road should be sprayed with water or a dust suppression chemical so as to keep the entire road surface wet.	✓	✓	✓
	Exposed Earth			
	• Exposed earth should be properly treated by compaction, hydroseeding, vegetation planting or seating with latex, vinyl, bitumen within six months after the last construction activity on the site or part of the site where the exposed earth lies.	N/A	N/A	N/A
	Loading, Unloading or Transfer of Dusty Materials			

EM&A Ref.	Recommendation Measures	Implementation Stage L2 May 2024	Jun 2024	Jul 2024
	• All dusty materials should be sprayed with water immediately prior to any loading or transfer operation so as to keep the dusty material wet.	✓	✓	✓
	Debris Handling			
	• Any debris should be covered entirely by impervious sheeting or stored in a debris collection area sheltered on the top and the three sides.	✓	✓	✓
	• Before debris is dumped into a chute, water should be sprayed so that it remains wet when it is dumped.	✓	✓	✓
	Transport of Dusty Materials			
	• Vehicle used for transporting dusty materials/spoils should be covered with tarpaulin or similar material. The cover should extend over the edges of the sides and tailboards.	✓	✓	✓
	Wheel washing			
	• Vehicle wheel washing facilities should be provided at each construction site exit. Immediately before leaving the construction site, every vehicle should be washed to remove any dusty materials from its body and wheels.	✓	✓	✓
	Use of vehicles			
	• The speed of the trucks within the site should be controlled to about 10km/hour in order to reduce adverse dust impacts and secure the safe movement around the site.	✓	✓	✓
	• Immediately before leaving the construction site, every vehicle should be washed to remove any dusty materials from its body and wheels.	✓	✓	✓
	• Where a vehicle leaving the construction site is carrying a load of dusty materials, the load should be covered entirely by clean impervious sheeting to ensure that the dusty materials do not leak from the vehicle.	✓	✓	✓
	Site hoarding			
	• Where a site boundary adjoins a road, street, service lane or other area accessible to the public, hoarding of not less than 2.4m high from ground level should be provided along the entire length of that portion of the site boundary except for a site entrance or exit.	✓	✓	✓
2.1 & 10.3.1	**Best Practicable Means for Cement Works (Concrete Batching Plant)** The relevant best practices for dust control as stipulated in the Guidance Note on the Best Practicable Means for Cement Works (Concrete Batching Plant) BPM 3/2(93) should be followed and implemented to further reduce the construction dust impacts of the Project. These best practices include: Exhaust from Dust Arrestment Plant			

EM&A Ref.	Recommendation Measures	Implementation Stage L2 May 2024	Jun 2024	Jul 2024
	• Wherever possible the final discharge point from particulate matter arrestment plant, where is not necessary to achieve dispersion from residual pollutants, should be at low level to minimise the effect on the local community in the case of abnormal emissions and to facilitate maintenance and inspection	N/A	N/A	N/A
	Emission Limits			
	• All emissions to air, other than steam or water vapour, shall be colourless and free from persistent mist or smoke	N/A	N/A	N/A
	Engineering Design/Technical Requirements			
	• As a general guidance, the loading, unloading, handling and storage of fuel, raw materials, products, wastes or by-products should be carried out in a manner so as to prevent the release of visible dust and/or other noxious or offensive emissions	N/A	N/A	N/A
	Non-Road Mobile Machinery (NRMM):			
	All NRMMs operating on-site which are subject to emission control of Air Pollution Control (Non-road Mobile Machinery) (Emission) Regulation are approved/exempted (as the case may be) and affixed with the requisite approval/exemption labels.	✓	✓	Obs
Noise Impact (Construction)				
3.1 & 10.4.1	**Good Site Practice**			
	Good site practice and noise management can significantly reduce the impact of construction site activities on nearby NSRs. The following package of measures should be followed during each phase of construction:			
	• only well-maintained plant to be operated on-site and plant should be serviced regularly during the construction works;	✓	✓	✓
	• machines and plant that may be in intermittent use to be shut down between work periods or should be throttled down to a minimum	✓	✓	✓
	• plant known to emit noise strongly in one direction, should, where possible, be orientated to direct noise away from the NSRs;	✓	✓	✓
	• mobile plant should be sited as far away from NSRs as possible; and	✓	✓	✓
	• material stockpiles and other structures to be effectively utilised, where practicable, to screen noise from on-site construction activities.	✓	✓	✓
	Adoption of Quieter PME			

EM&A Ref.	Recommendation Measures	Implementation Stage L2 May 2024	Jun 2024	Jul 2024
3.1 & 10.4.1	The recommended quieter PME adopted in the assessment were taken from the EPD's QPME Inventory and "*Sound Power Levels of Other Commonly Used PME*" are presented in **Table 4.26** in the EIA report. It should be noted that the silenced PME selected for assessment can be found in Hong Kong.	✓	✓	✓
3.1 & 10.4.1	**Use of Movable Noise Barriers** Movable noise barriers can be very effective in screening noise from particular items of plant when constructing the Project. Noise barriers located along the active works area close to the noise generating component of a PME could produce at least 10 dB(A) screening for stationary plant and 5 dB(A) for mobile plant provided the direct line of sight between the PME and the NSRs is blocked.	✓	✓	✓
3.1 & 10.4.1	**Use of Noise Enclosure/ Acoustic Shed** The use of noise enclosure or acoustic shed is to cover stationary PME such as air compressor and concrete pump. With the adoption of the noise enclosure, the PME could be completely screened, and noise reduction of 15 dB(A) can be achieved according to the EIAO Guidance Note No. 9/2010.	✓	✓	✓
3.1 & 10.4.1	**Use of Noise Insulating Fabric** Noise insulating fabric can also be adopted for certain PME (e.g. drill rig, pilling machine etc). The fabric should be lapped such that there are no openings or gaps on the joints. According to the approved Tsim Sha Tsui Station Northern Subway EIA report (AEIAR-127/2008), a noise reduction of 10 dB(A) can be achieved for the PME lapped with the noise insulating fabric.	Obs	✓	✓
3.1 & 10.4.1	**Scheduling of Construction Works outside School Examination Periods** During construction phase, the contractor should liaise with the educational institutions (including NSRs LCS and CRGPS) to obtain the examination schedule and avoid the noisy construction activities during school examination periods.	N/A	N/A	N/A

EM&A Ref.	Recommendation Measures	Implementation Stage L2 May 2024	Jun 2024	Jul 2024
Water Quality Impact (Construction)				
4.1 & 10.5.1	**Construction site runoff and drainage** The site practices outlined in ProPECC Note PN 1/94 should be followed as far as practicable in order to minimise surface runoff and the chance of erosion. The following measures are recommended to protect water quality and sensitive uses of the coastal area, and when properly implemented should be sufficient to adequately control site discharges so as to avoid water quality impacts:			
	• At the start of site establishment, perimeter cut-off drains to direct off-site water around the site should be constructed with internal drainage works and erosion and sedimentation control facilities implemented. Channels, earth bunds or sand bag barriers should be provided on site to direct storm water to silt removal facilities. The design of the temporary on-site drainage system should be undertaken by the WKCDA's Contractor prior to the commencement of construction;	✓	✓	✓
	• Sand/silt removal facilities such as sand/silt traps and sediment basins should be provided to remove sand/silt particles from runoff to meet the requirements of the TM standards under the WPCO. The design of efficient silt removal facilities should be based on the guidelines in Appendix A1 of ProPECC Note PN 1/94. Sizes may vary depending upon the flow rate. The detailed design of the sand/silt traps should be undertaken by the WKCDA's Contractor prior to the commencement of construction.	✓	✓	✓
	• All drainage facilities and erosion and sediment control structures should be regularly inspected and maintained to ensure proper and efficient operation at all times and particularly during rainstorms. Deposited silt and grit should be regularly removed, at the onset of and after each rainstorm to ensure that these facilities are functioning properly at all times.	Obs	✓	Obs Rem
	• Measures should be taken to minimize the ingress of site drainage into excavations. If excavation of trenches in wet periods is necessary, they should be dug and backfilled in short sections wherever practicable. Water pumped out from foundation excavations should be discharged into storm drains via silt removal facilities.	✓	✓	✓

EM&A Ref.	Recommendation Measures	Implementation Stage L2 May 2024	Jun 2024	Jul 2024
	• All vehicles and plant should be cleaned before leaving a construction site to ensure no earth, mud, debris and the like is deposited by them on roads. An adequately designed and sited wheel washing facility should be provided at construction site exit where practicable. Wash-water should have sand and silt settled out and removed regularly to ensure the continued efficiency of the process. The section of access road leading to, and exiting from, the wheel-wash bay to the public road should be paved with sufficient backfall toward the wheel-wash bay to prevent vehicle tracking of soil and silty water to public roads and drains.	✓	✓	✓
	• Open stockpiles of construction materials or construction wastes on-site should be covered with tarpaulin or similar fabric during rainstorms. Measures should be taken to prevent the washing away of construction materials, soil, silt or debris into any drainage system.	✓	✓	✓
	• Manholes (including newly constructed ones) should be adequately covered and temporarily sealed so as to prevent silt, construction materials or debris being washed into the drainage system and stormwater runoff being directed into foul sewers.	✓	✓	✓
	• Precautions should be taken at any time of the year when rainstorms are likely. Actions should be taken when a rainstorm is imminent or forecasted and actions to be taken during or after rainstorms are summarized in Appendix A2 of ProPECC Note PN 1/94. Particular attention should be paid to the control of silty surface runoff during storm events, especially for areas located near steep slopes.	✓	✓	✓
	• Bentonite slurries used in piling or slurry walling should be reconditioned and reused wherever practicable. Temporary enclosed storage locations should be provided on-site for any unused bentonite that needs to be transported away after all the related construction activities are completed. The requirements in ProPECC Note PN 1/94 should be adhered to in the handling and disposal of bentonite slurries.	N/A	N/A	N/A
	Barging facilities and activities Recommendations for good site practices during operation of the proposed barging point include:			
	• All vessels should be sized so that adequate clearance is maintained between vessels and the seabed in all tide conditions, to ensure that undue turbidity is not generated by turbulence from vessel movement or propeller wash;	N/A	N/A	N/A

EM&A Ref.	Recommendation Measures	Implementation Stage L2 May 2024	Jun 2024	Jul 2024
	• Loading of barges and hoppers should be controlled to prevent splashing of material into the surrounding water. Barges or hoppers should not be filled to a level that will cause the overflow of materials or polluted water during loading or transportation;	N/A	N/A	N/A
	• All hopper barges should be fitted with tight fitting seals to their bottom openings to prevent leakage of material; and	N/A	N/A	N/A
	• Construction activities should not cause foam, oil, grease, scum, litter or other objectionable matter to be present on the water within the site.	N/A	N/A	N/A
4.1 & 10.5.1	**Sewage effluent from construction workforce** Temporary sanitary facilities, such as portable chemical toilets, should be employed on-site where necessary to handle sewage from the workforce. A licensed contractor should be employed to provide appropriate and adequate portable toilets and be responsible for appropriate disposal and maintenance.	✓	✓	✓
4.1 & 10.5.1	**General construction activities**			
	• Construction solid waste, debris and refuse generated on-site should be collected, handled and disposed of properly to avoid entering any nearby storm water drain. Stockpiles of cement and other construction materials should be kept covered when not being used.	✓	✓	✓
	• Oils and fuels should only be stored in designated areas which have pollution prevention facilities. To prevent spillage of fuels and solvents to any nearby storm water drain, all fuel tanks and storage areas should be provided with locks and be sited on sealed areas, within bunds of a capacity equal to 110% of the storage capacity of the largest tank. The bund should be drained of rainwater after a rain event.	✓	Obs Rem	Obs
Waste Management Implications (Construction)				
6.1 & 10.7.1	**Good Site Practices** Recommendations for good site practices during the construction activities include:			
	• Nomination of an approved person, such as a site manager, to be responsible for good site practices, arrangements for collection and effective disposal to an appropriate facility, of all wastes generated at the site	✓	✓	✓
	• Training of site personnel in proper waste management and chemical handling procedures	✓	✓	✓

EM&A Ref.	Recommendation Measures	Implementation Stage L2 May 2024	Jun 2024	Jul 2024
	• Provision of sufficient waste disposal points and regular collection of waste	✓	Obs	✓
	• Appropriate measures to minimise windblown litter and dust/odour during transportation of waste by either covering trucks or by transporting wastes in enclosed containers	✓	✓	✓
	• Provision of wheel washing facilities before the trucks leaving the works area so as to minimise dust introduction to public roads	✓	✓	✓
	• Well planned delivery programme for offsite disposal such that adverse environmental impact from transporting the inert or non-inert C&D materials is not anticipated	✓	✓	✓
6.1 & 10.7.1	**Waste Reduction Measures** Recommendations to achieve waste reduction include:			
	• Sort inert C&D material to recover any recyclable portions such as metals	✓	✓	✓
	• Segregation and storage of different types of waste in different containers or skips to enhance reuse or recycling of materials and their proper disposal	✓	✓	✓
	• Encourage collection of recyclable waste such as waste paper and aluminium cans by providing separate labelled bins to enable such waste to be segregated from other general refuse generated by the work force	✓	✓	✓
	• Proper site practices to minimise the potential for damage or contamination of inert C&D materials	✓	✓	✓
	• Plan the use of construction materials carefully to minimise amount of waste generated and avoid unnecessary generation of wastes	✓	✓	✓
6.1 & 10.7.1	**Inert and Non-inert C&D Materials** In order to minimise impacts resulting from collection and transportation of inert C&D material for off-site disposal, the excavated materials should be reused on-site as fill material as far as practicable. In addition, inert C&D material generated from excavation works could be reused as fill materials in local projects that require public fill for reclamation.	✓	✓	✓
	• The surplus inert C&D material will be disposed of at the Government's PFRFs for beneficial use by other projects in Hong Kong.	✓	✓	✓
	• Liaison with the CEDD Public Fill Committee (PFC) on the allocation of space for disposal of the inert C&D materials at PFRF is underway. No construction work is allowed to proceed until all issues on management of inert C&D materials have been resolved and all relevant arrangements have been endorsed by the relevant authorities including PFC and EPD.	✓	✓	✓

EM&A Ref.	Recommendation Measures	Implementation Stage L2 May 2024	Jun 2024	Jul 2024
	• The C&D materials generated from general site clearance should be sorted on site to segregate any inert materials for reuse or disposal of at PFRFs whereas the non-inert materials will be disposed of at the designated landfill site.	✓	✓	✓
	• In order to monitor the disposal of inert and non-inert C&D materials at respectively PFRFs and the designated landfill site, and to control fly-tipping, it is recommended that the Contractor should follow the Technical Circular (Works) No. 6/2010 for Trip Ticket System for Disposal of Construction & Demolition Materials issued by Development Bureau. In addition, it is also recommended that the Contractor should prepare and implement a Waste Management Plan detailing their various waste arising and waste management practices in accordance with the relevant requirements of the Technical Circular (Works) No. 19/2005 Environmental Management on Construction Site.	✓	✓	✓
6.1 & 10.7.1	**Chemical Waste**			
	• If chemical wastes are produced at the construction site, the Contractor will be required to register with the EPD as a chemical waste producer and to follow the guidelines stated in the "Code of Practice on the Packaging Labelling and Storage of Chemical Wastes". Good quality containers compatible with the chemical wastes should be used, and incompatible chemicals should be stored separately. Appropriate labels should be securely attached on each chemical waste container indicating the corresponding chemical characteristics of the chemical waste, such as explosive, flammable, oxidizing, irritant, toxic, harmful, corrosive, etc. The Contractor should use a licensed collector to transport and dispose of the chemical wastes at the approved Chemical Waste Treatment Centre or other licensed recycling facilities, in accordance with the Waste Disposal (Chemical Waste) (General) Regulation.	✓	✓	✓
	• Potential environmental impacts arising from the handling activities (including storage, collection, transportation and disposal of chemical waste) are expected to be minimal with the implementation of appropriate mitigation measures as recommended.	✓	✓	✓
6.1 & 10.7.1	**General Refuse**			
	General refuse should be stored in enclosed bins or compaction units separated from inert C&D materials. A reputable waste collector should be employed by the Contractor to remove general refuse from the site, separately from inert C&D materials. Preferably an enclosed and covered area should be provided to reduce the occurrence of 'wind blown' light material.	Obs	Obs	Obs

EM&A Ref.	Recommendation Measures	Implementation Stage L2 May 2024	Jun 2024	Jul 2024
Land Contamination (Construction)				
7.1 & 10.8.1	The potential for land contamination issues at the TST Fire Station due to its future relocation will be confirmed by site investigation after land acquisition. Where necessary, mitigation measures for minimising potential exposure to contaminated materials (if any) or remediation measures will be identified. If contaminated land is identified (e.g., during decommissioning of fuel oil storage tanks) after the commencement of works, mitigation measures are proposed in order to minimise the potentially adverse effects on the health and safety of construction workers and impacts arising from the disposal of potentially contaminated materials. The following measures are proposed for excavation and transportation of contaminated material:			
	• To minimize the chance for construction workers to come into contact with any contaminated materials, bulk earth-moving excavation equipment should be employed;	N/A	N/A	N/A
	• Contact with contaminated materials can be minimised by wearing appropriate clothing and personal protective equipment such as gloves and masks (especially when interacting directly with contaminated material), provision of washing facilities and prohibition of smoking and eating on site;	N/A	N/A	N/A
	• Stockpiling of contaminated excavated materials on site should be avoided as far as possible;	N/A	N/A	N/A
	• The use of contaminated soil for landscaping purpose should be avoided unless pre-treatment was carried out;	N/A	N/A	N/A
	• Vehicles containing any contaminated excavated materials should be suitably covered to reduce dust emissions and/or release of contaminated wastewater;	N/A	N/A	N/A
	• Truck bodies and tailgates should be sealed to stop any discharge;	N/A	N/A	N/A
	• Only licensed waste haulers should be used to collect and transport contaminated material to treatment/disposal site and should be equipped with tracking system to avoid fly tipping;	N/A	N/A	N/A
	• Speed control for trucks carrying contaminated materials should be exercised;	N/A	N/A	N/A
	• Observe all relevant regulations in relation to waste handling, such as Waste Disposal Ordinance (Cap. 354), Waste Disposal (Chemical Waste) (General) Regulation (Cap. 354) and obtain all necessary permits where required; and	N/A	N/A	N/A

EM&A Ref.	Recommendation Measures	Implementation Stage L2 May 2024	Jun 2024	Jul 2024
	• Maintain records of waste generation and disposal quantities and disposal arrangements.	N/A	N/A	N/A
Ecological Impact (Construction)				
	No mitigation measure is required.			
Landscape and Visual Impact (Construction)				
Table 9.1 & 10.8 (CM1)	Trees should be retained in situ on site as far as possible. Should tree removal be unavoidable due to construction impacts, trees will be transplanted or felled with reference to the stated criteria in the Tree Removal Applications to be submitted to relevant government departments for approval in accordance to ETWB TCW No. 29/2004 and 3/2006.	N/A	N/A	N/A
Table 9.1 & 10.8 (CM2)	Compensatory tree planting shall be incorporated to the proposed project and maximize the new tree, shrubs and other vegetation planting to compensate tree felled and vegetation removed. Also, implementation of compensatory planting should be of a ratio not less than 1:1 in terms of quality and quantity within the site.	N/A	N/A	N/A
Table 9.1 & 10.8 (CM3)	Buffer trees for screening purposes to soften the hard architectural and engineering structures and facilities.	N/A	N/A	N/A
Table 9.1 & 10.8 (CM4)	Softscape treatments such as vertical green wall panel /planting of climbing and/or weeping plants, etc, to maximize the green coverage and soften the hard architectural and engineering structures and facilities.	N/A	N/A	N/A
Table 9.1 & 10.8 (CM5)	Roof greening by means of intensive and extensive green roof to maximize the green coverage and improve aesthetic appeal and visual quality of the building/structure.	N/A	N/A	N/A
Table 9.1 & 10.8 (CM6)	Sensitive streetscape design should be incorporated along all new roads and streets.	N/A	N/A	N/A
Table 9.1 & 10.8 (CM7)	Structure, ornamental planting shall be provided along amenity strips to enhance the landscape quality.	N/A	N/A	N/A
Table 9.1 & 10.8 (CM8)	Landscape design shall be incorporated to architectural and engineering structures in order to provide aesthetically pleasing designs.	N/A	N/A	N/A
Table 9.1 (CM9)	Minimize the structure of marine facilities to be built on the seabed and foreshore in order to minimize the affected extent to the waterbody	N/A	N/A	N/A

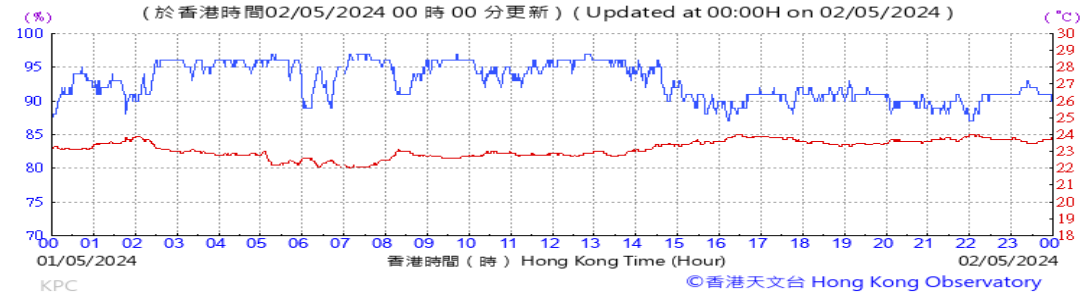
EM&A Ref.	Recommendation Measures	Implementation Stage L2 May 2024	Jun 2024	Jul 2024
Table 9.2 & 10.9 (MCP1)	Use of decorative screen hoarding/boards	✓	✓	✓
Table 9.2 & 10.9 (MCP2)	Early introduction of landscape treatments	N/A	N/A	N/A
Table 9.2 & 10.9 (MCP3)	Adoption of light colour for the temporary ventilation shafts for the basement during the transition period.	N/A	N/A	N/A
Table 9.2 & 10.9 (MCP4)	Control of night time lighting	N/A	N/A	N/A
Table 9.2 & 10.9 (MCP5)	Use of greenery such as grass cover for the temporary open areas will help achieve the visual balance and soften the hard edges of the structures.	N/A	N/A	N/A

N/A	-	Not Applicable
✓	-	Implemented
Obs	-	Observed
Rem	-	Reminder

D. Meteorological Data Extracted from Hong Kong Observatory

Table D-1: Extract of Meteorological Observations for King's Park Automatic Weather Station in the reporting quarter

Temperature/Humidity:



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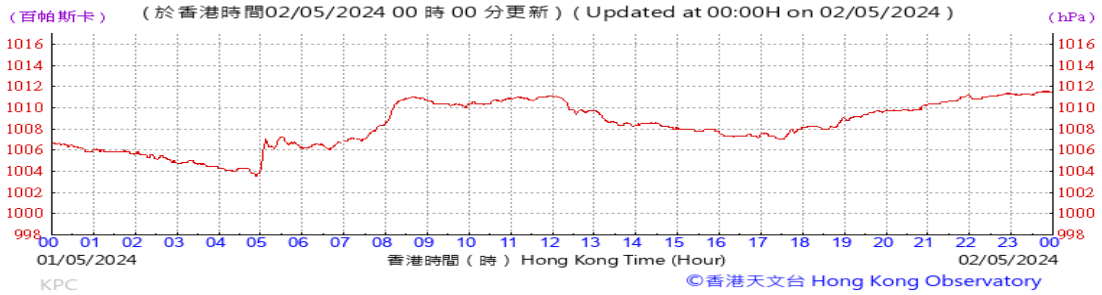

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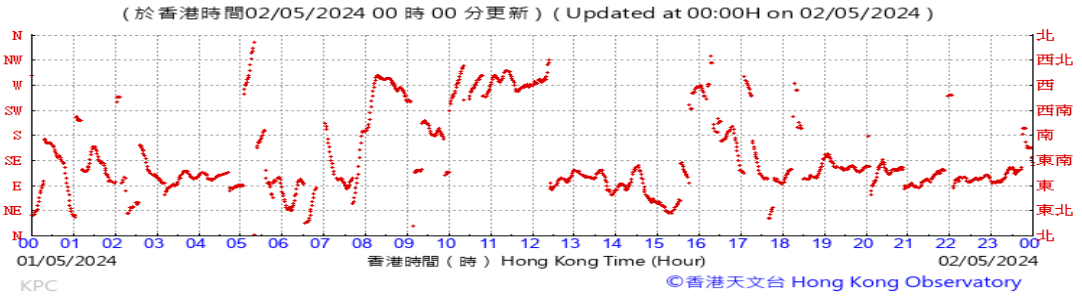
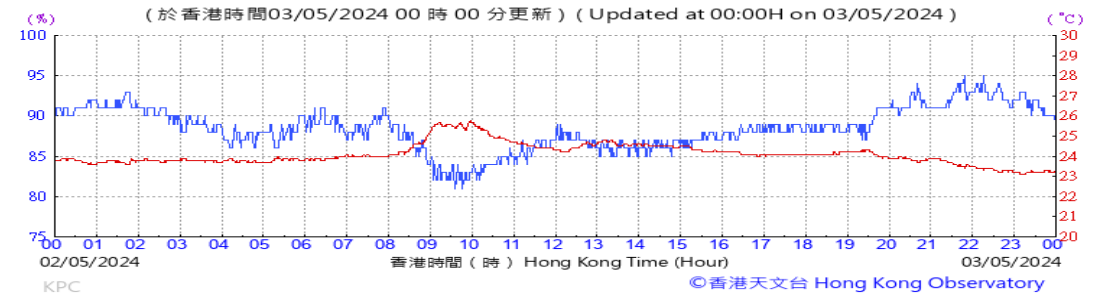


Wind Speed:

Temperature/Humidity:



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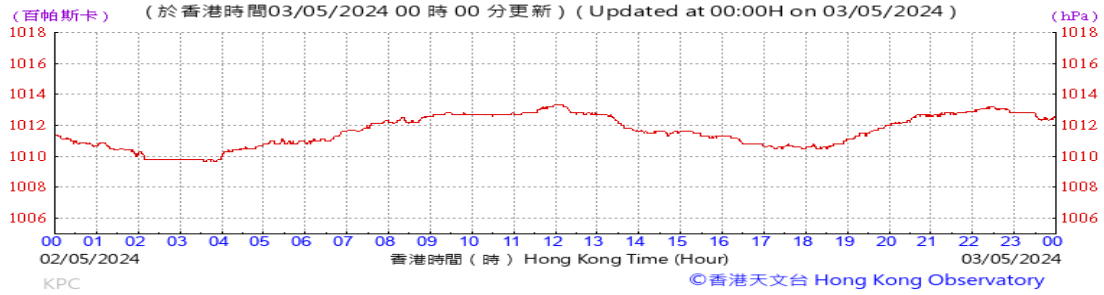

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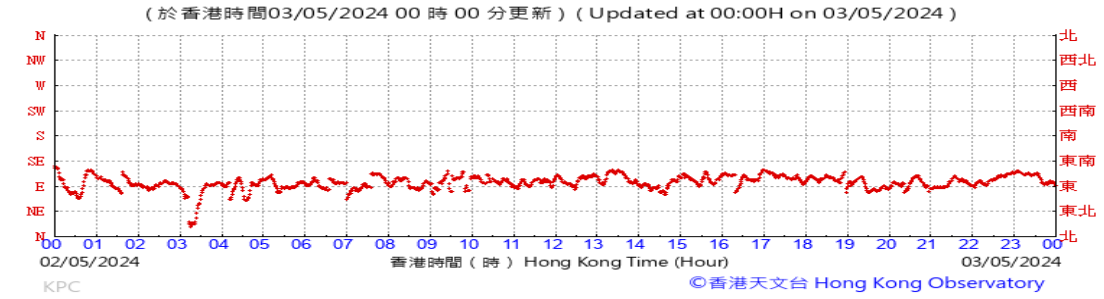

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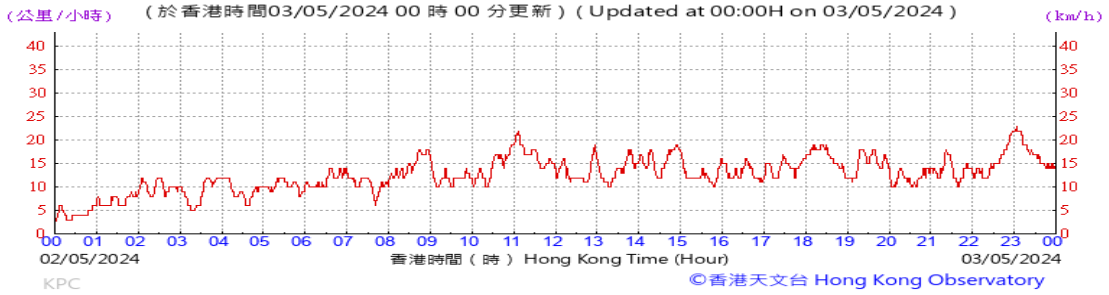
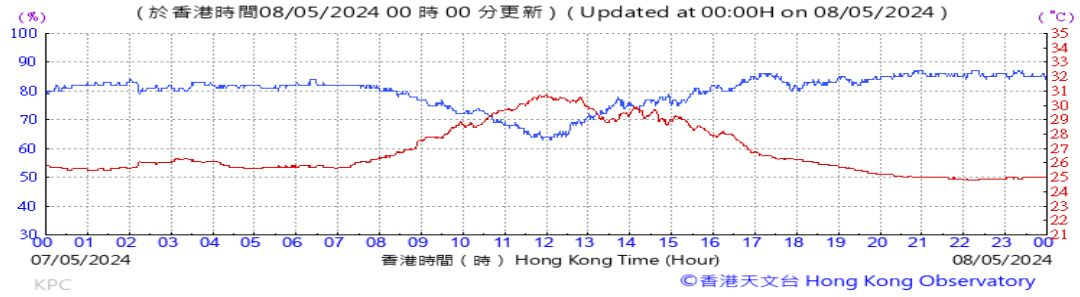


Temperature/Humidity:



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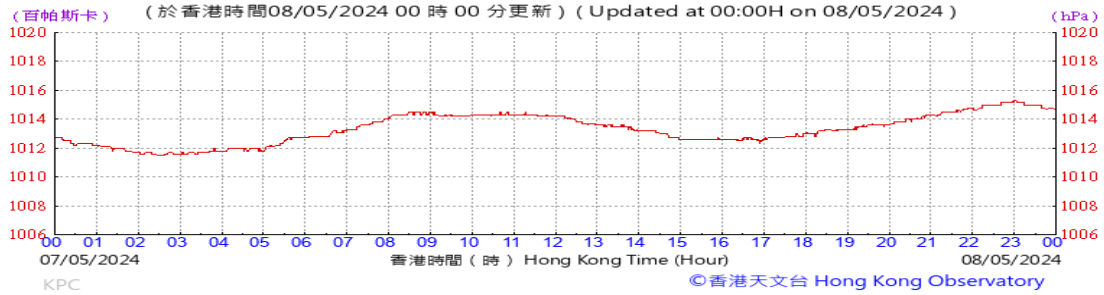

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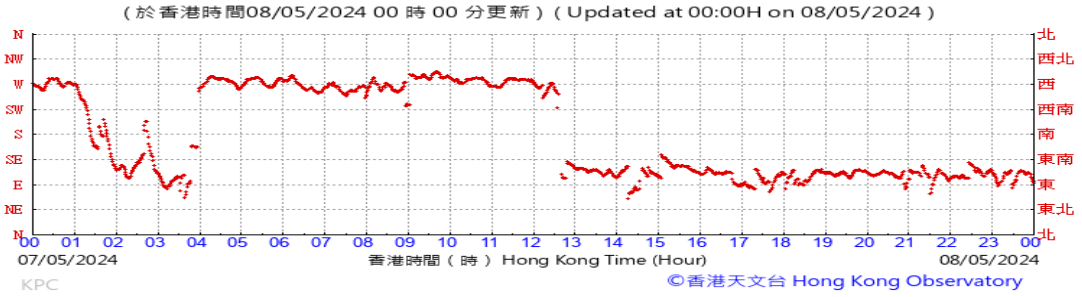
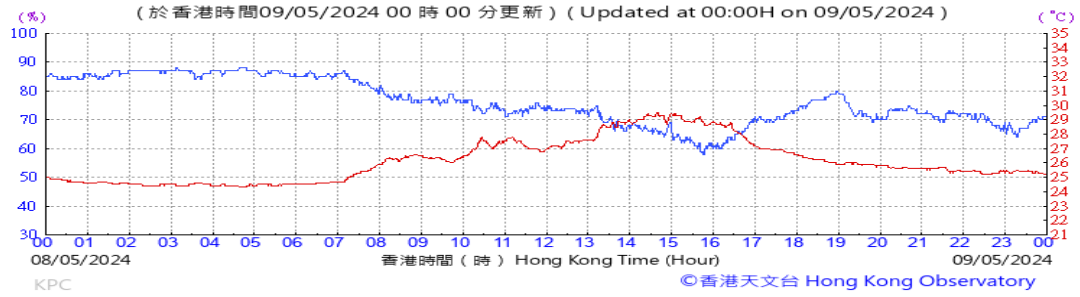


Wind Speed:

Temperature/Humidity:



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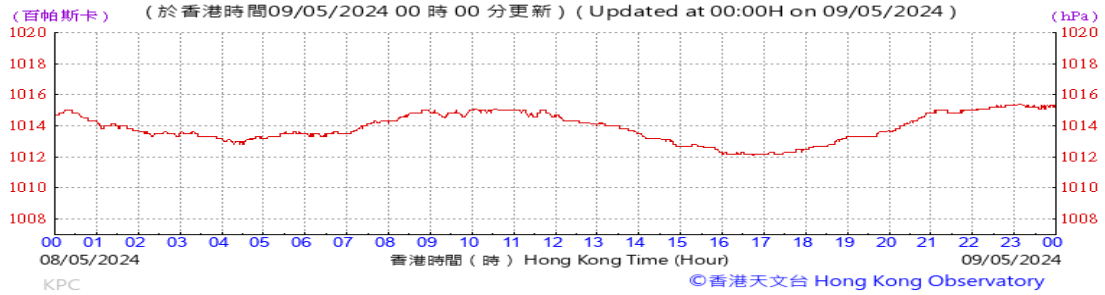

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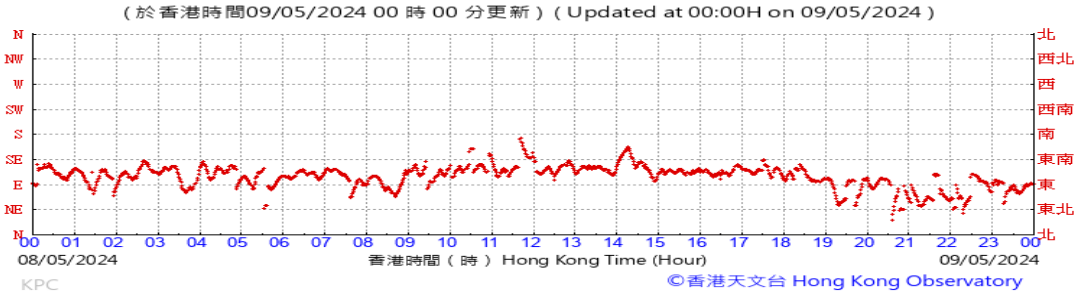

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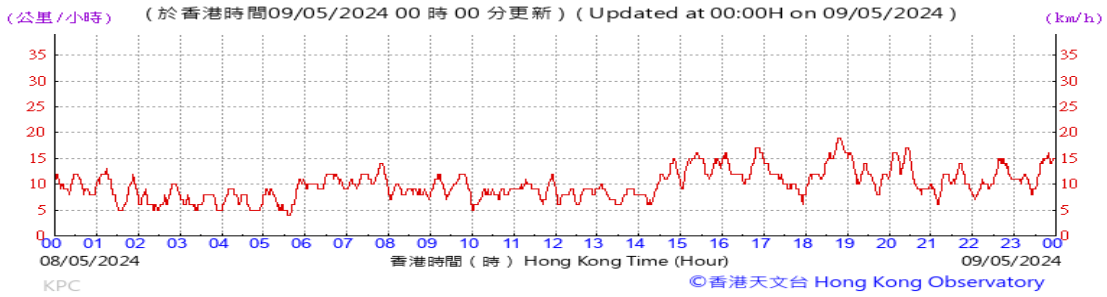
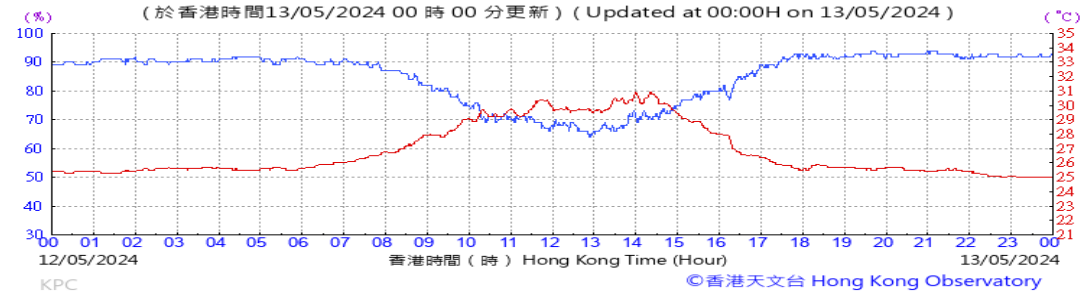


Temperature/Humidity:



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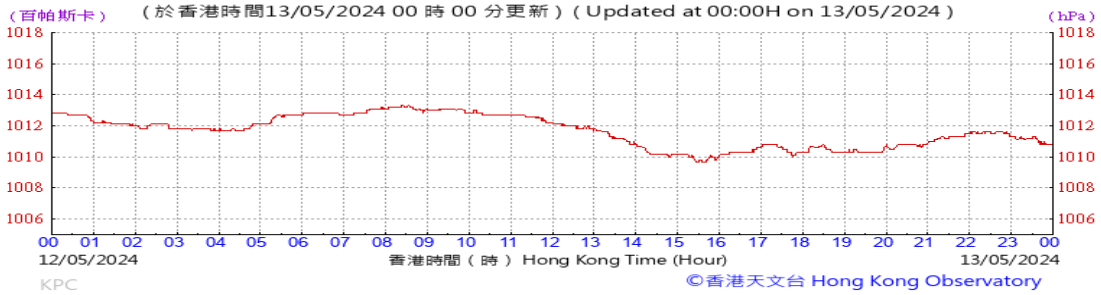

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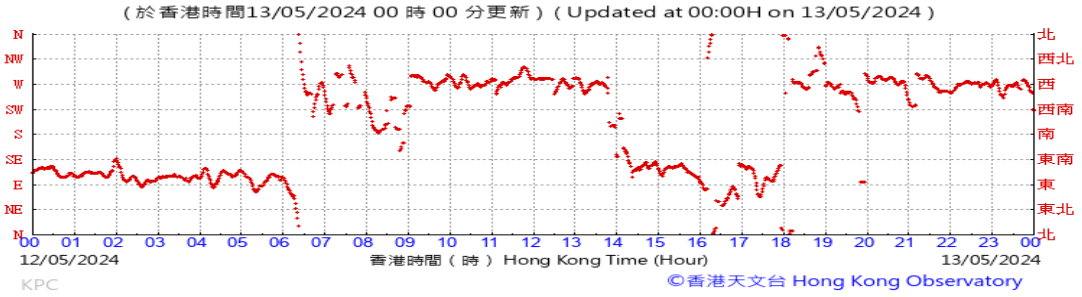

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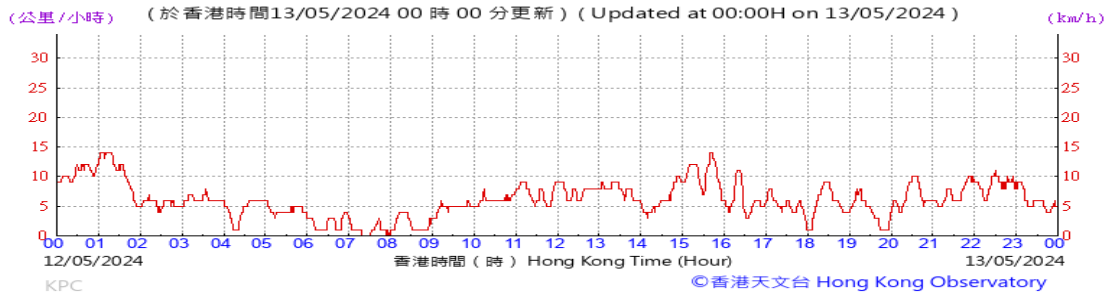
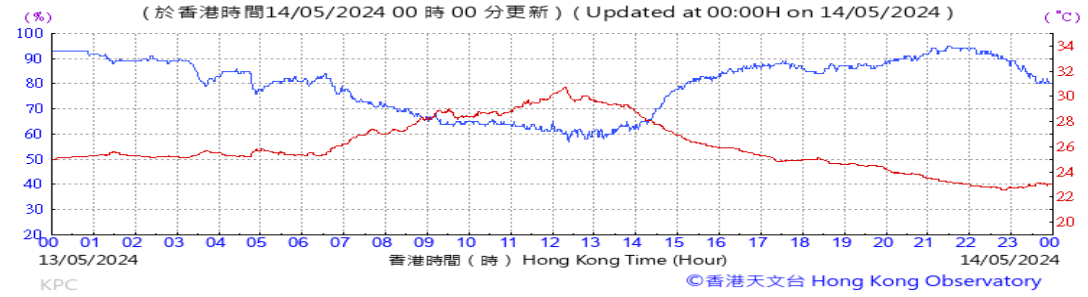


Temperature/Humidity:



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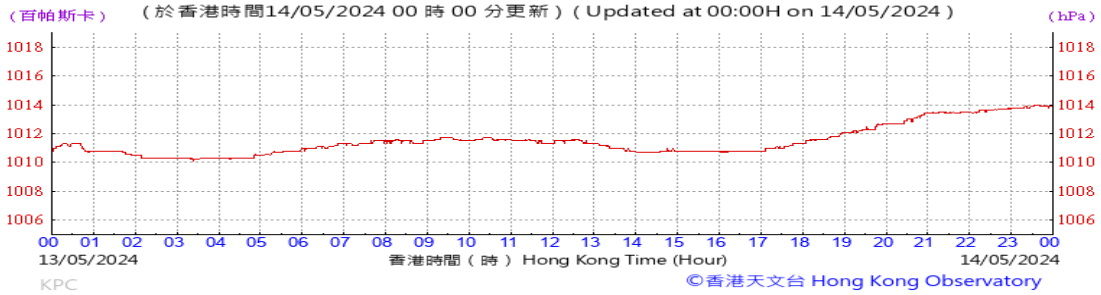
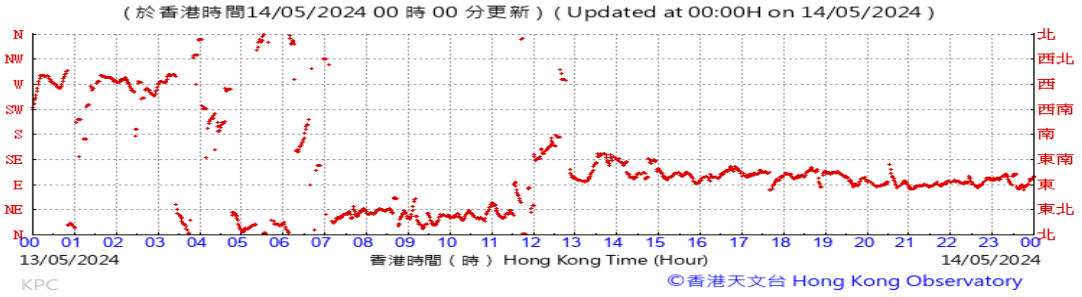


Wind Direction:



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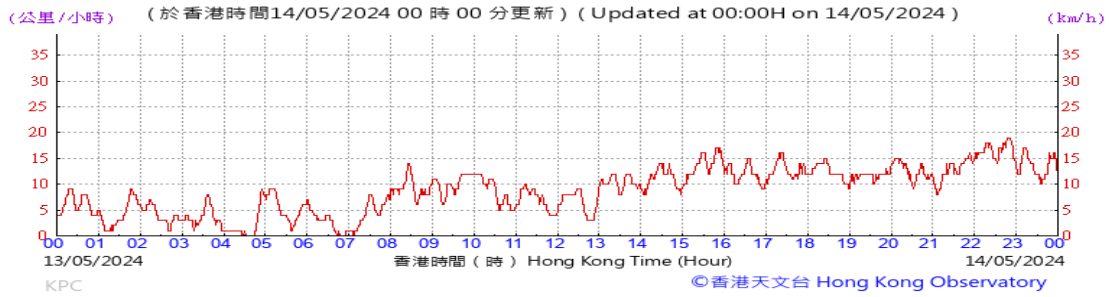

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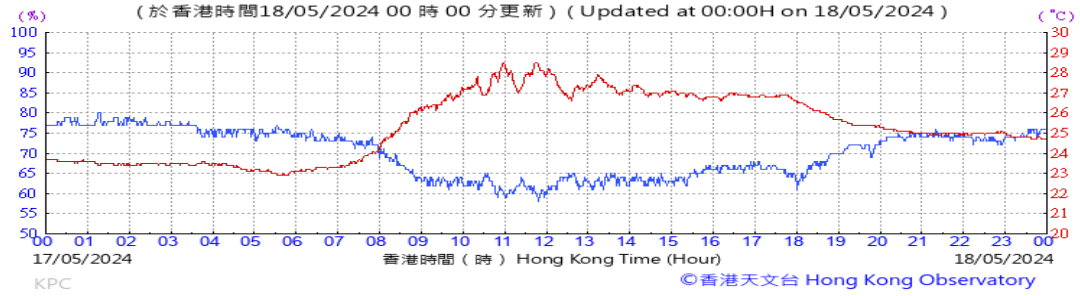

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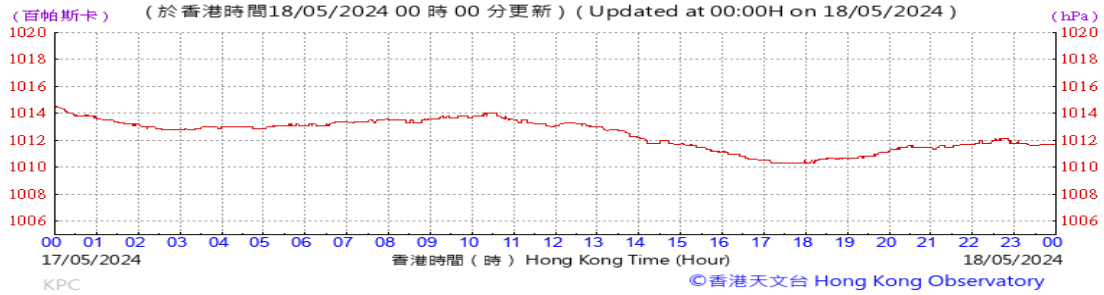

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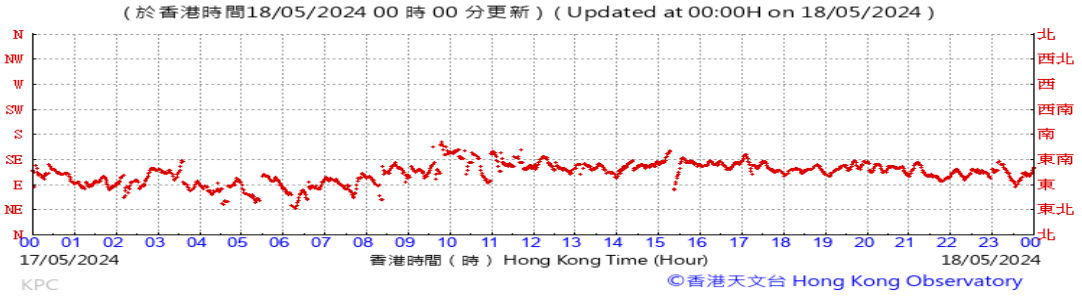

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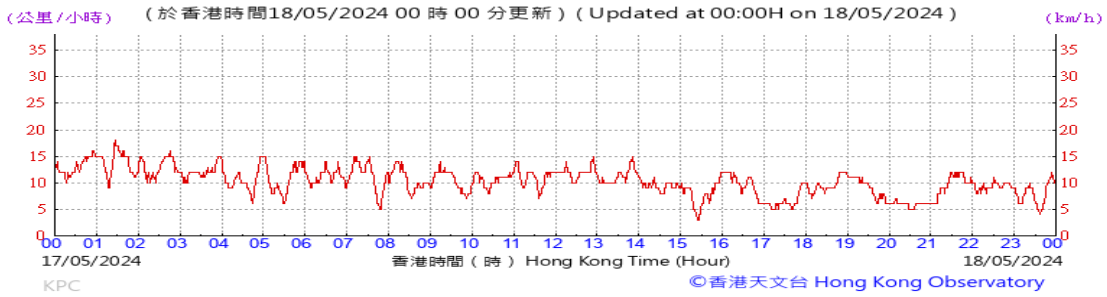
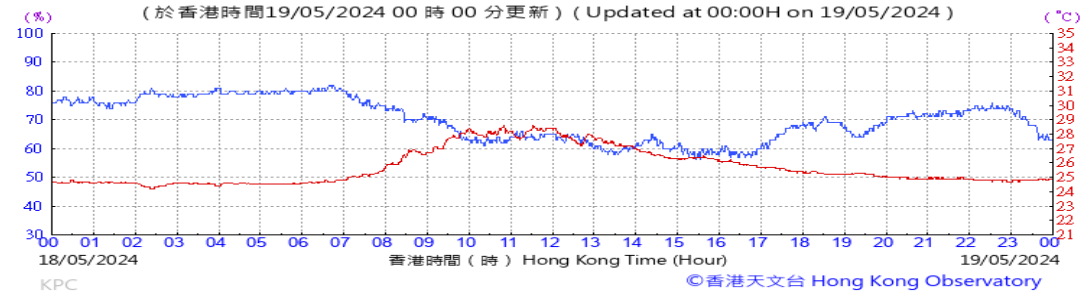


Temperature/Humidity:



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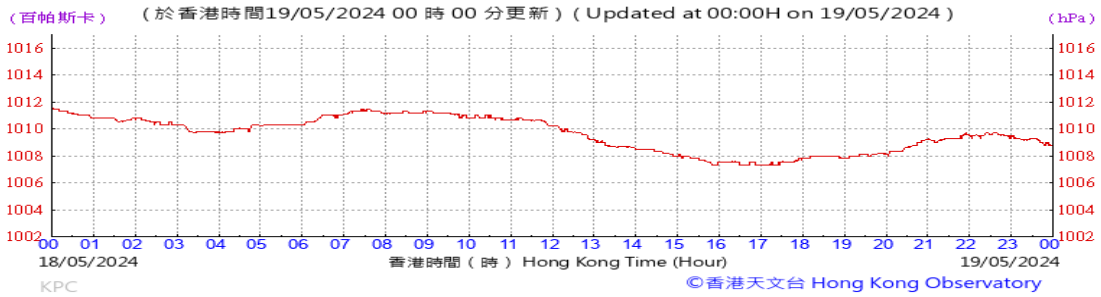

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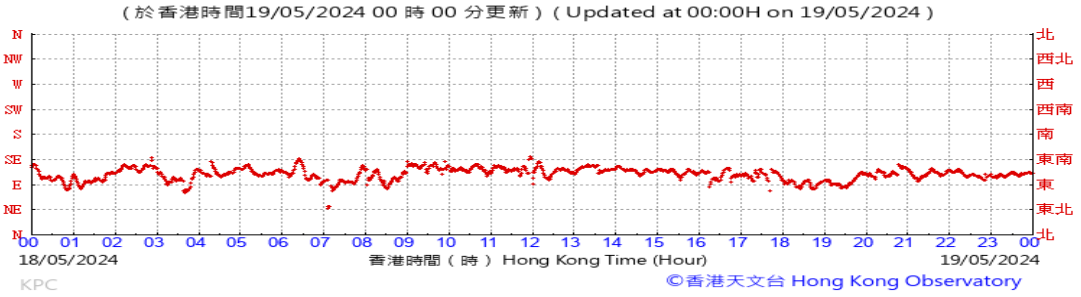
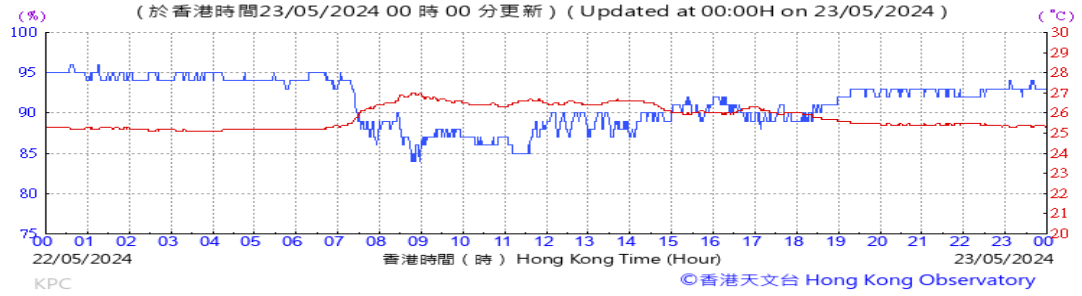


Wind Speed:

Temperature/Humidity:



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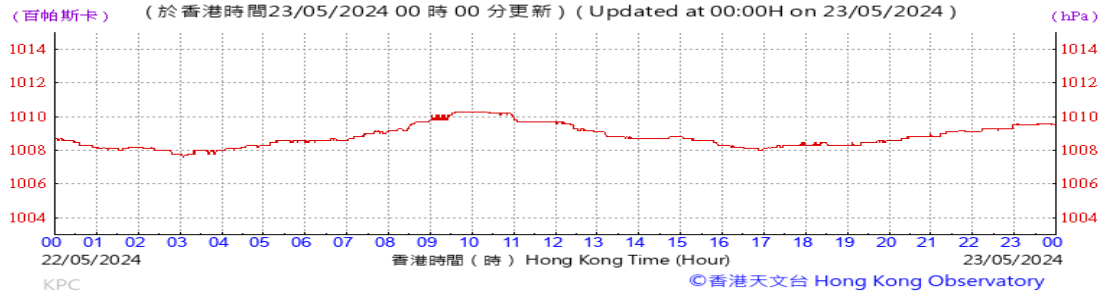
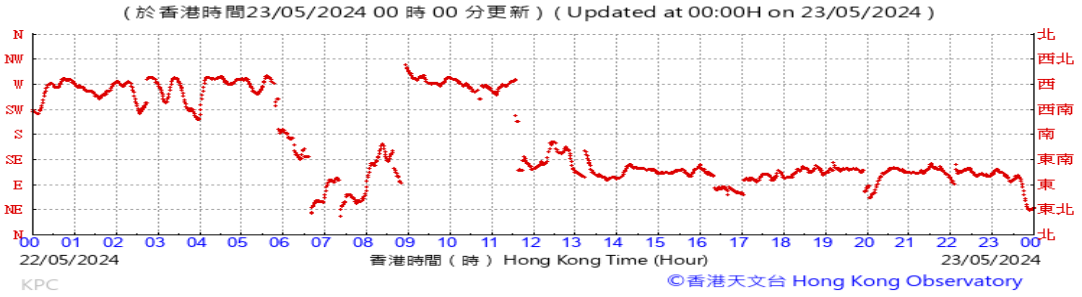
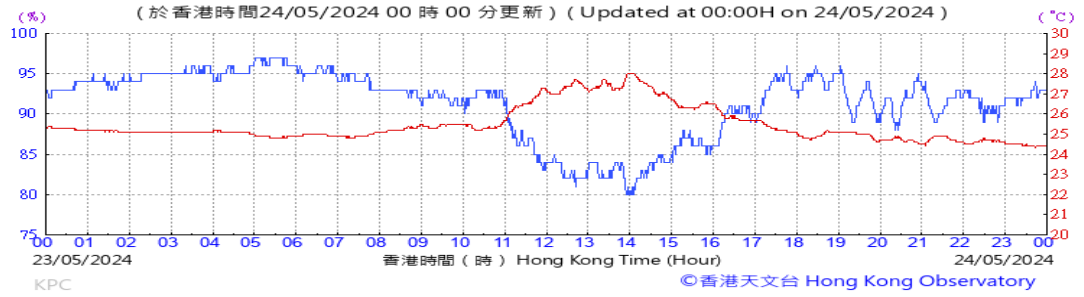


Wind Direction:

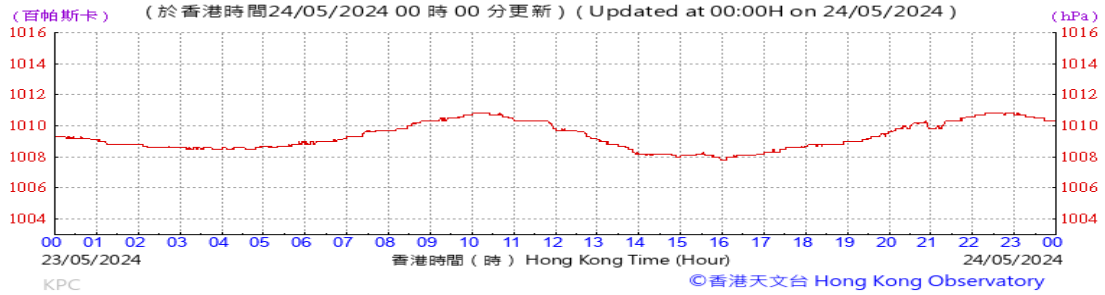


Wind Speed:

Temperature/Humidity:



Pressure:



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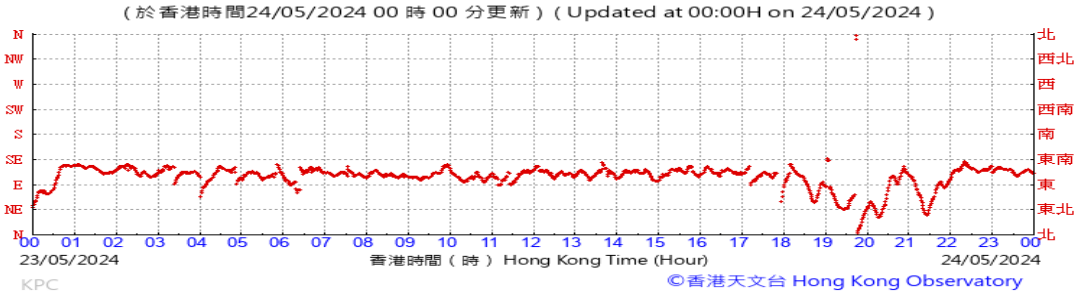

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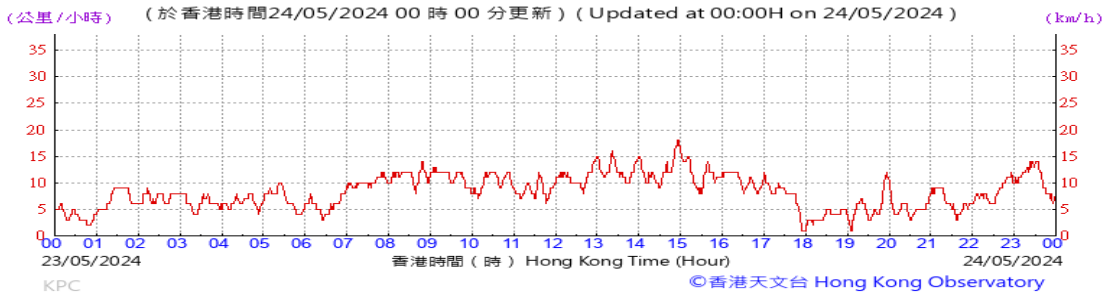
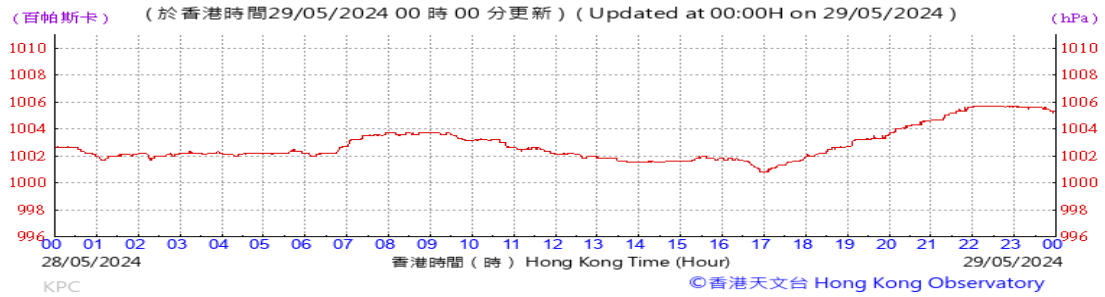


Temperature/Humidity:

Pressure:



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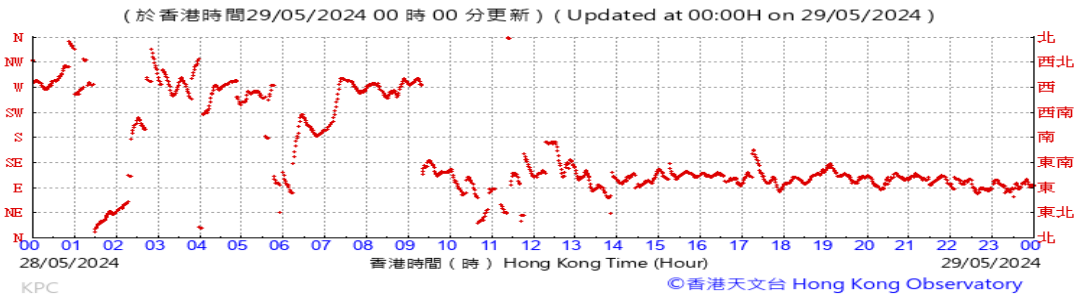

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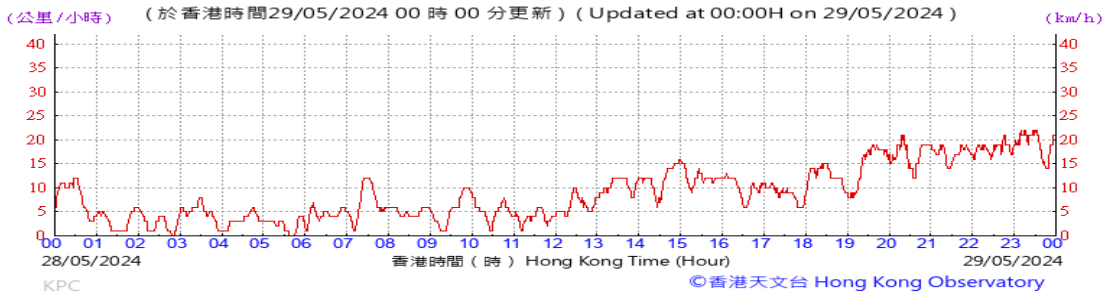

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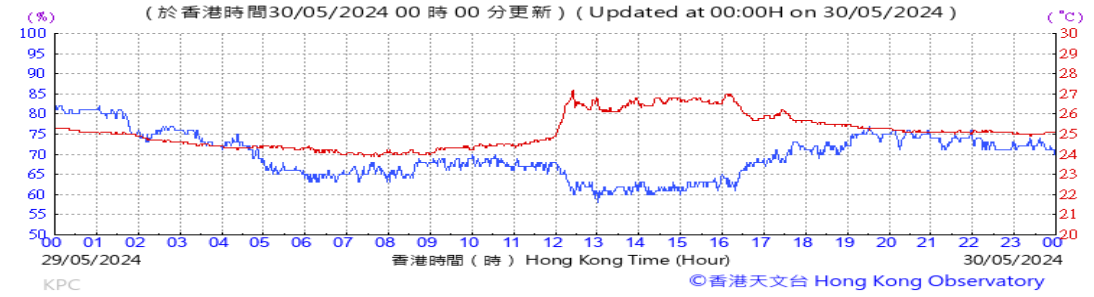
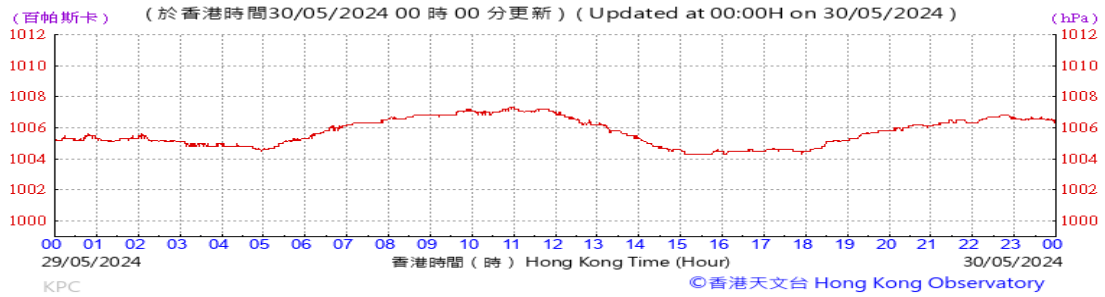


Pressure:



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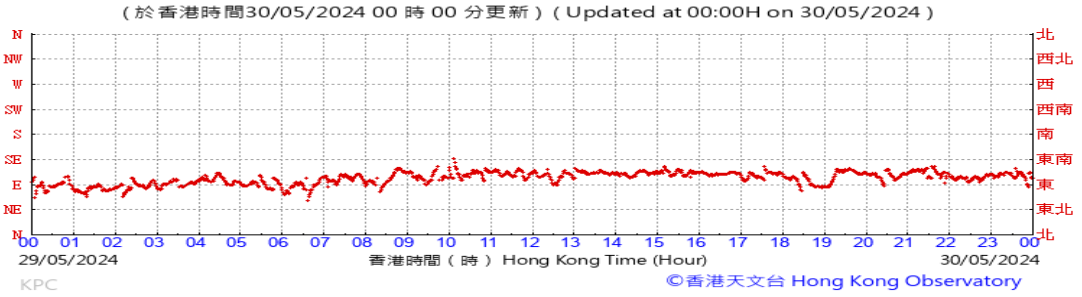
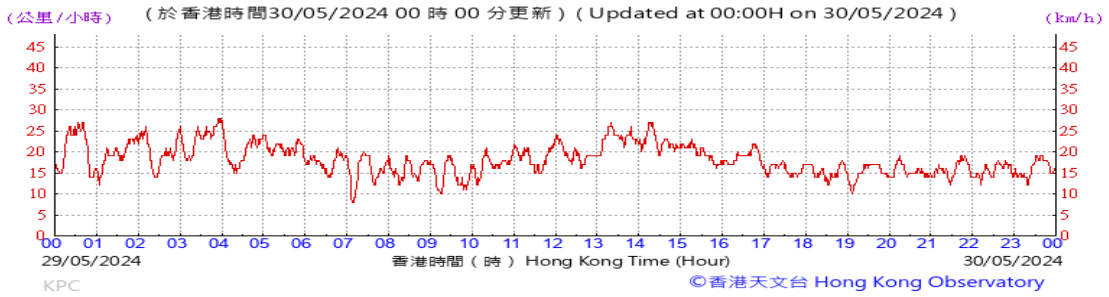


Wind Speed:



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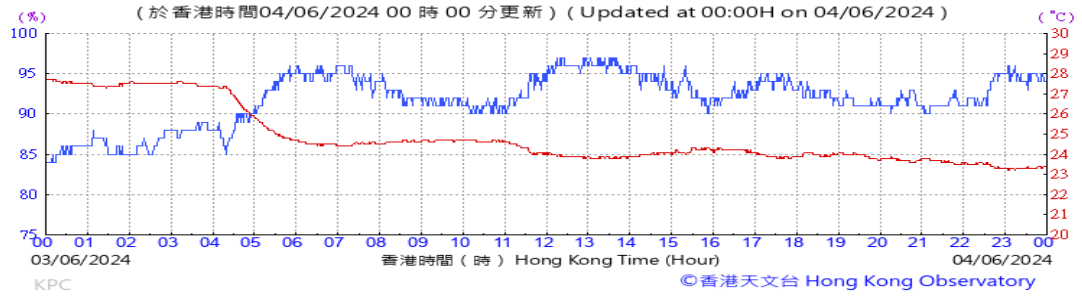

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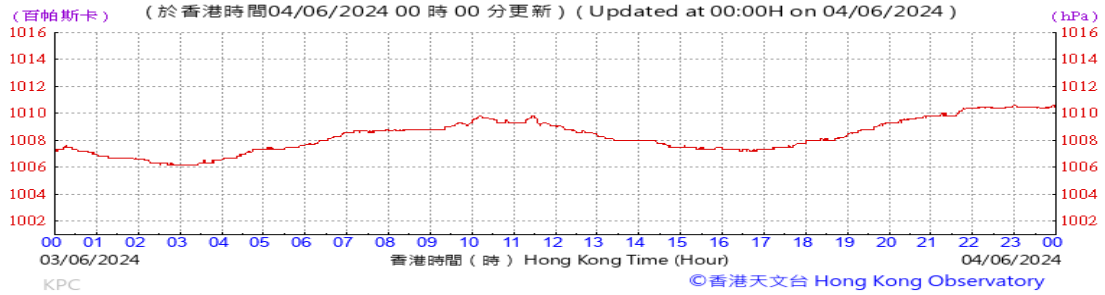
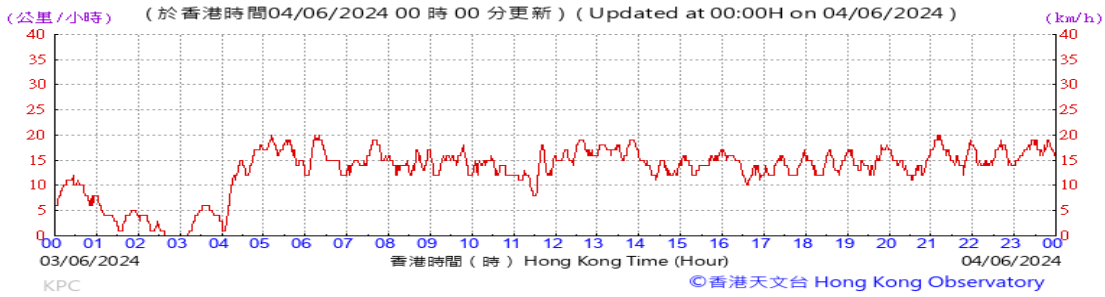


Wind Direction:

Wind Speed:



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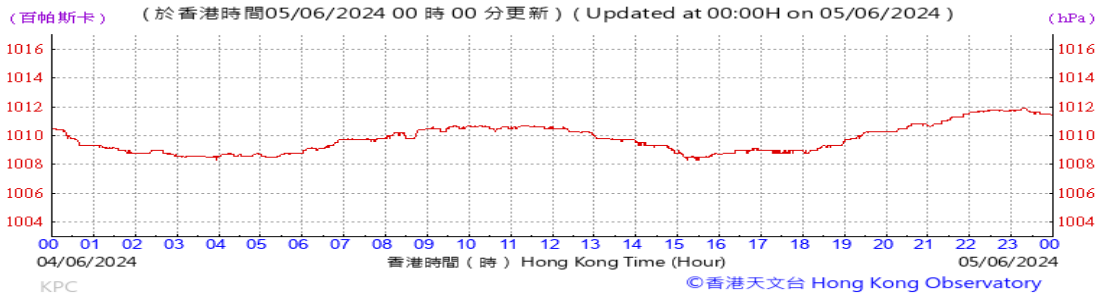

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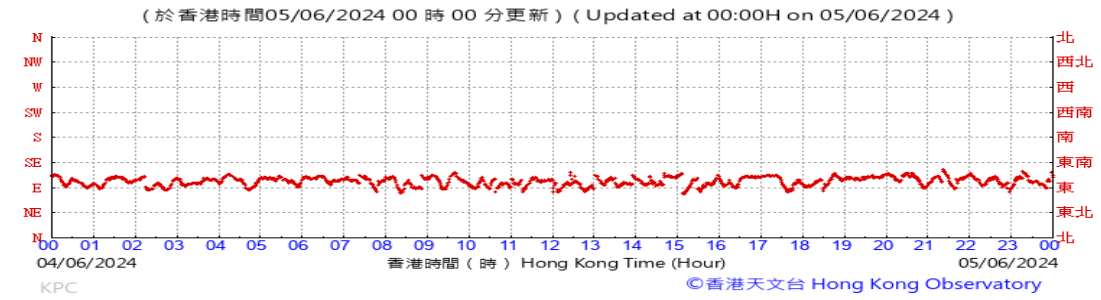

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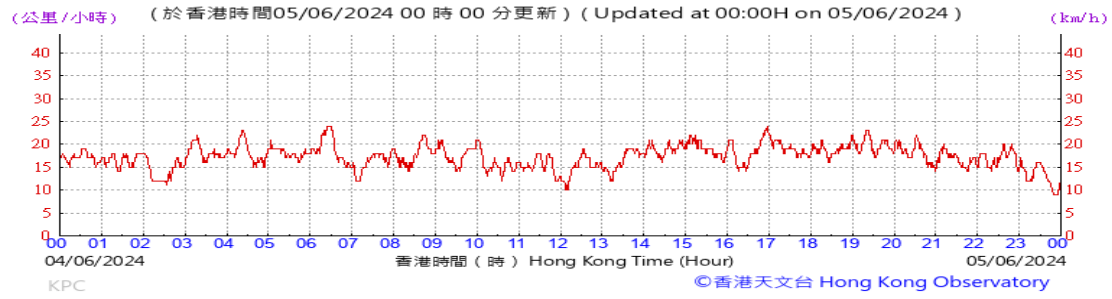

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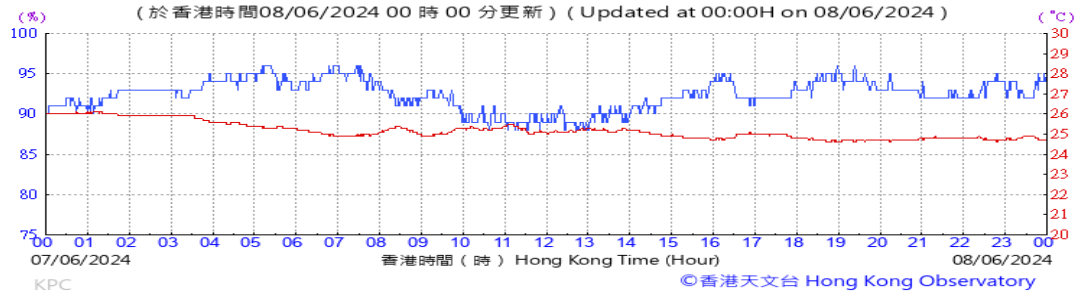

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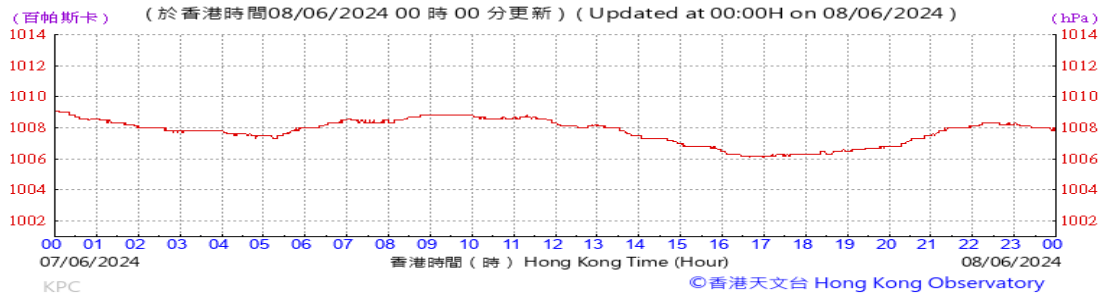

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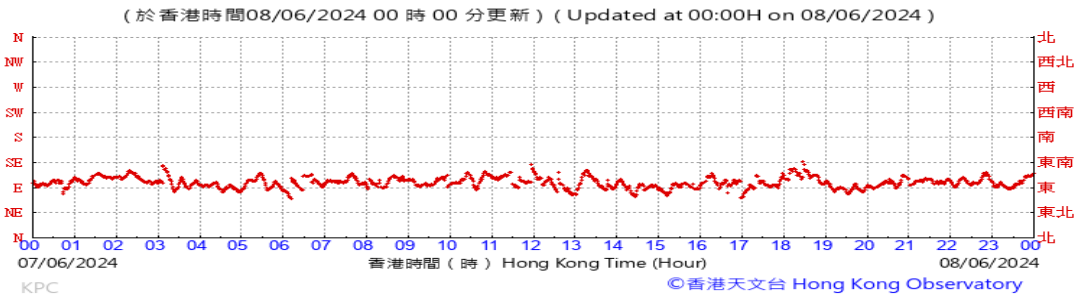

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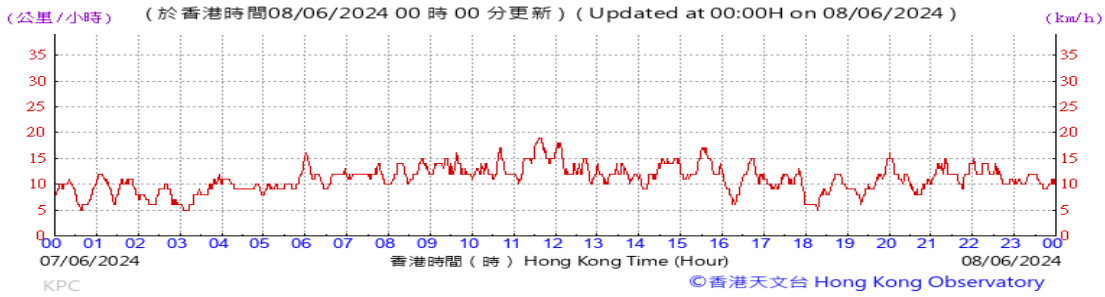

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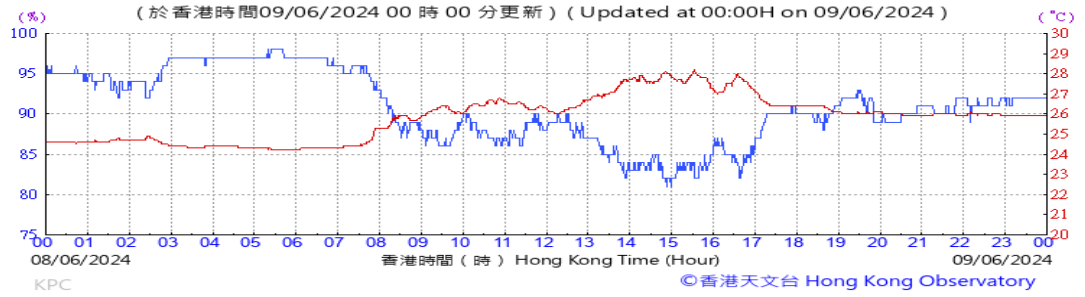

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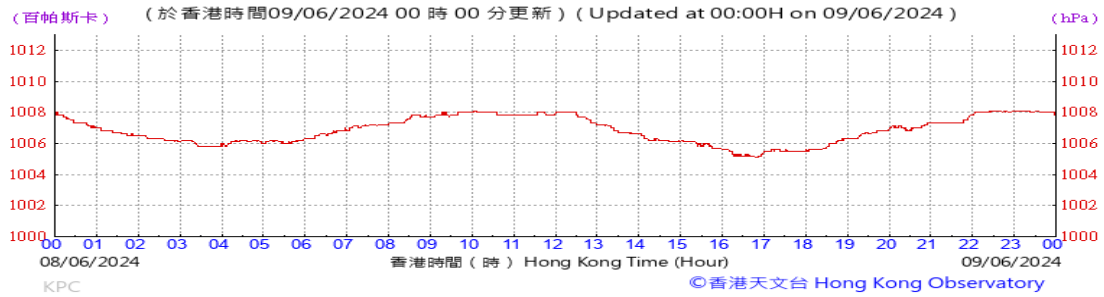

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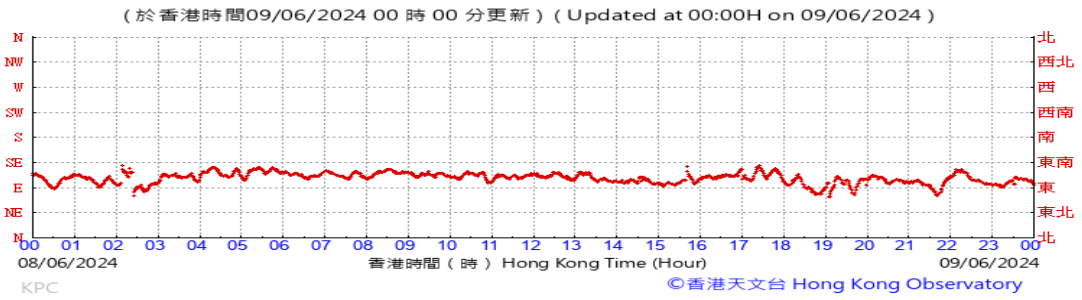

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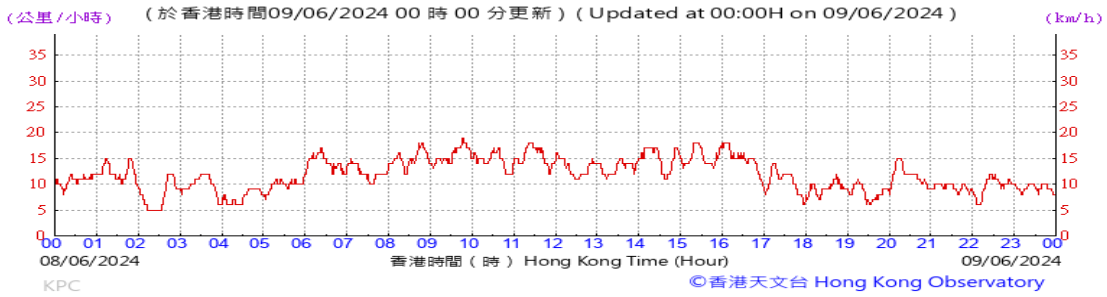

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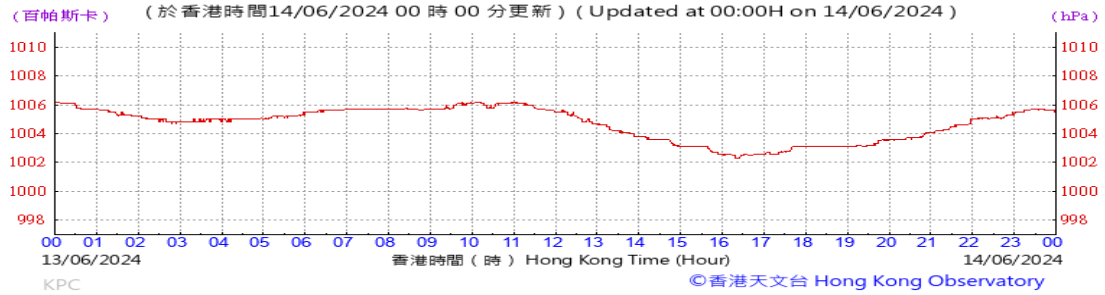
Pressure:



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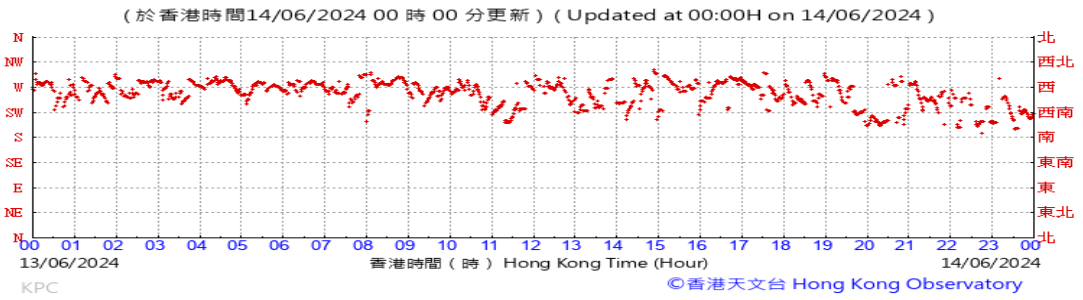

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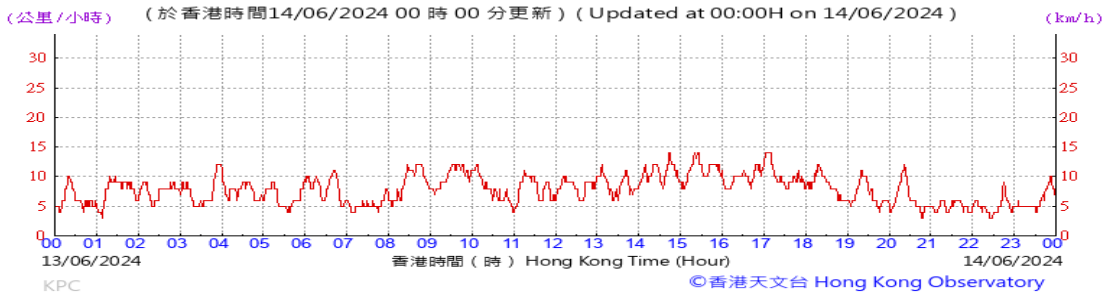

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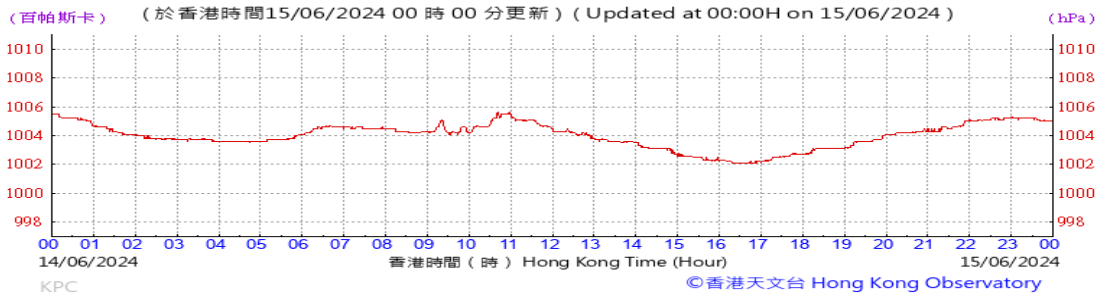

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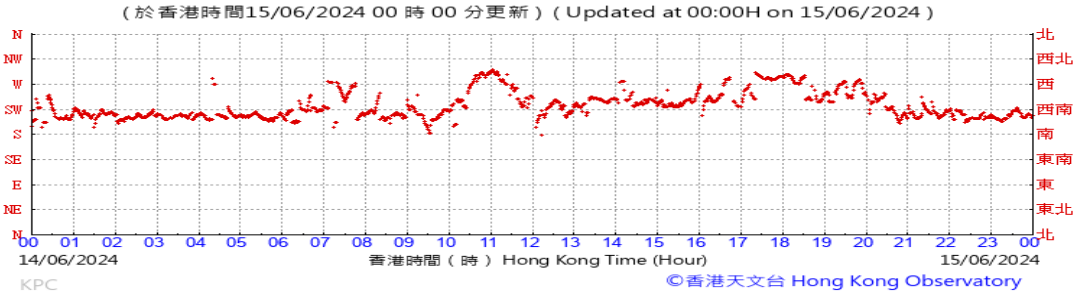

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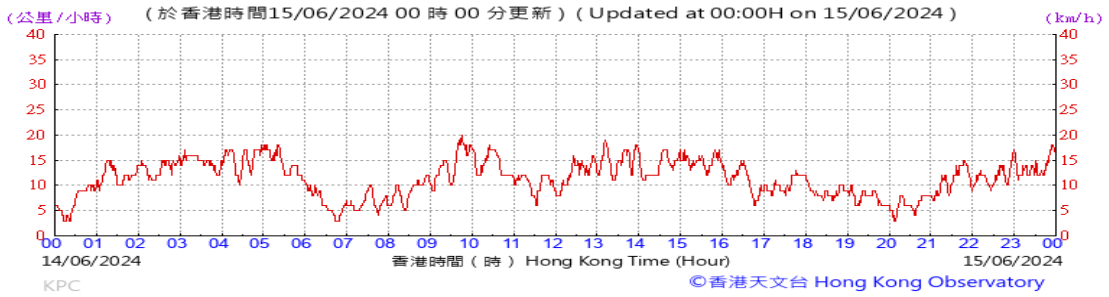

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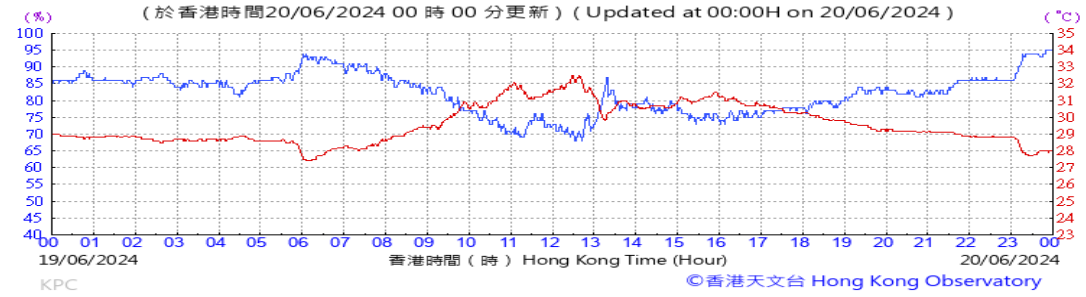
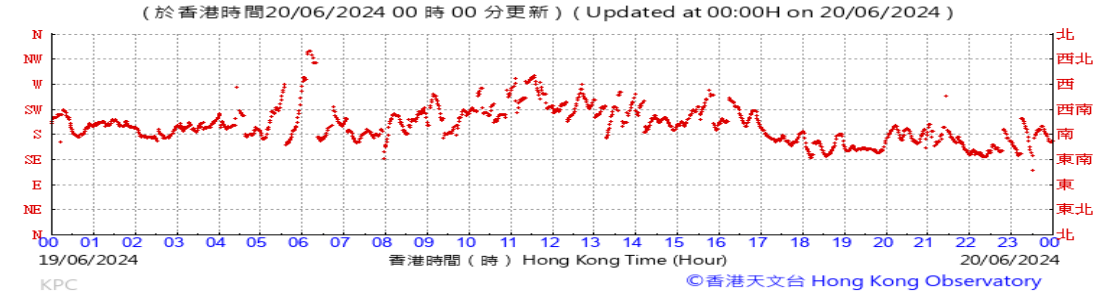


Pressure:

Wind Direction:



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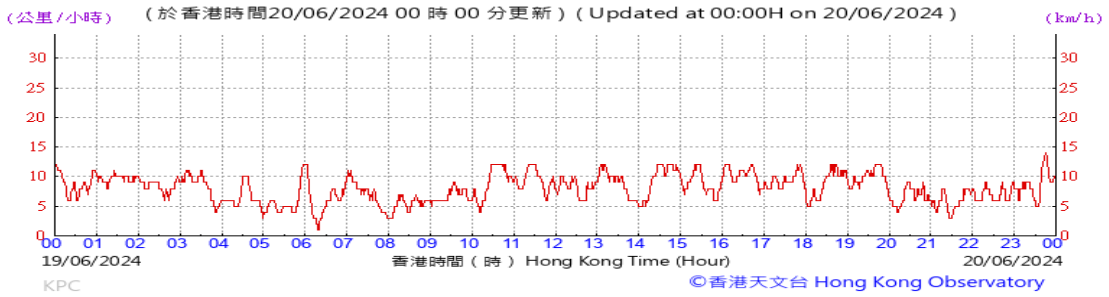

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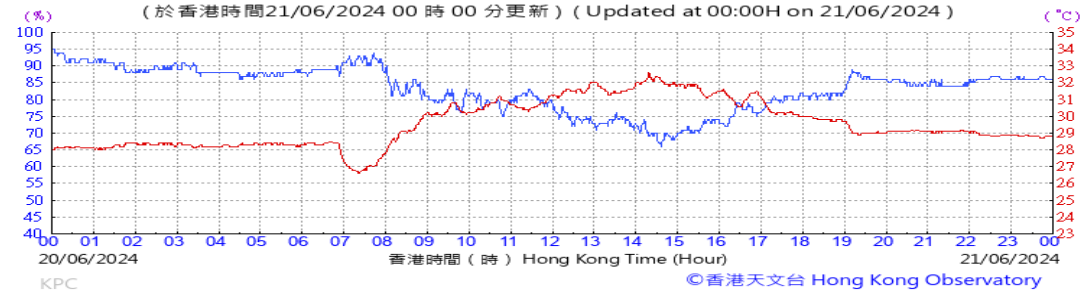

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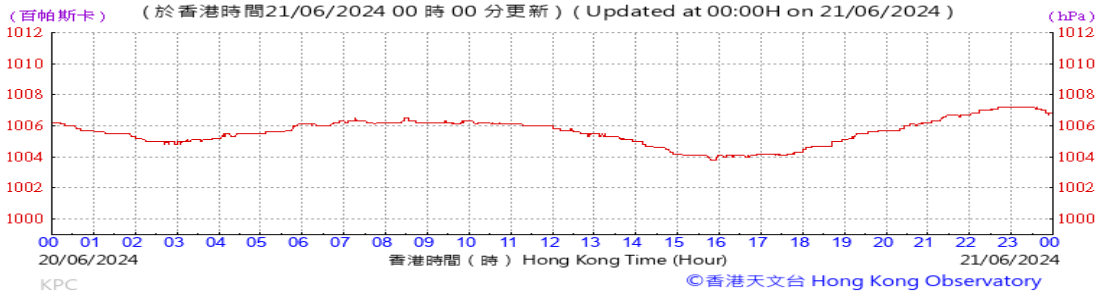

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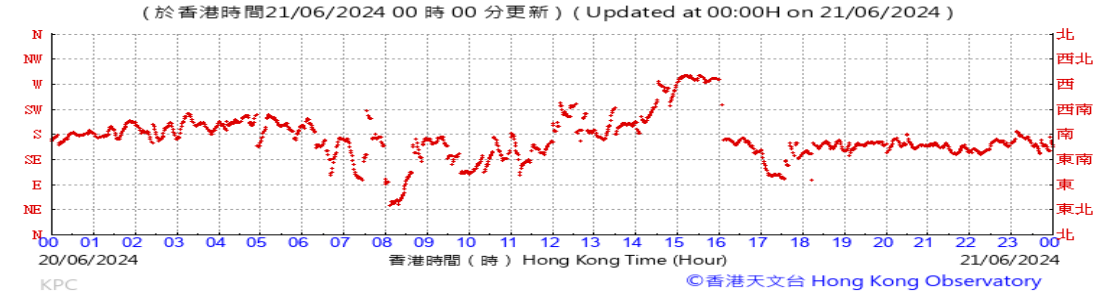

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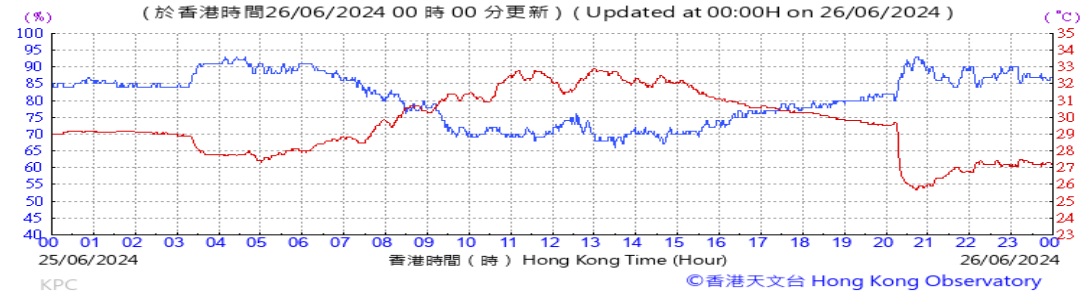

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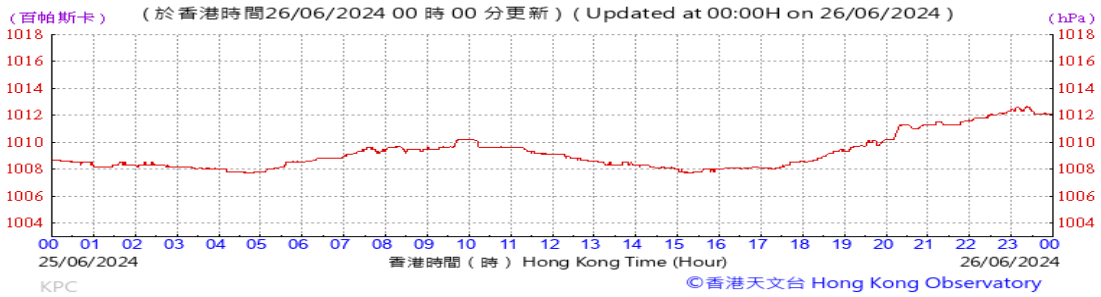

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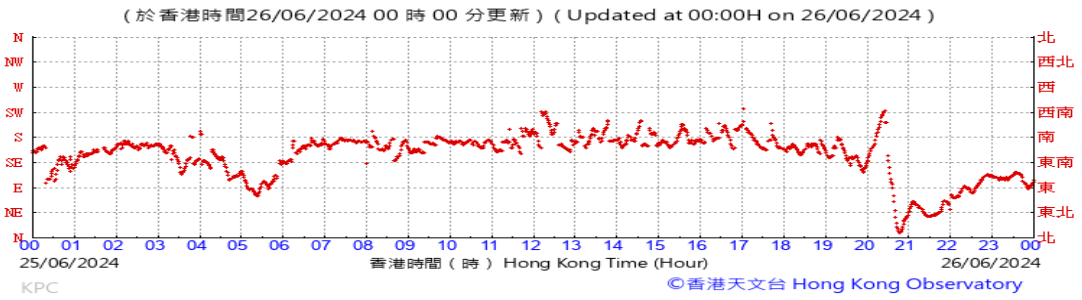

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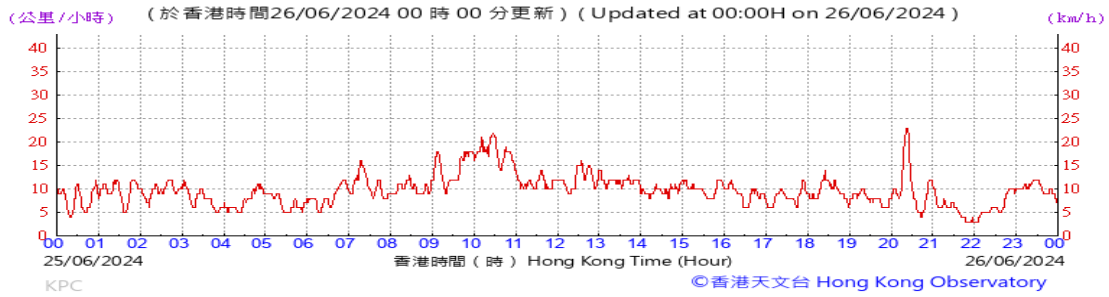

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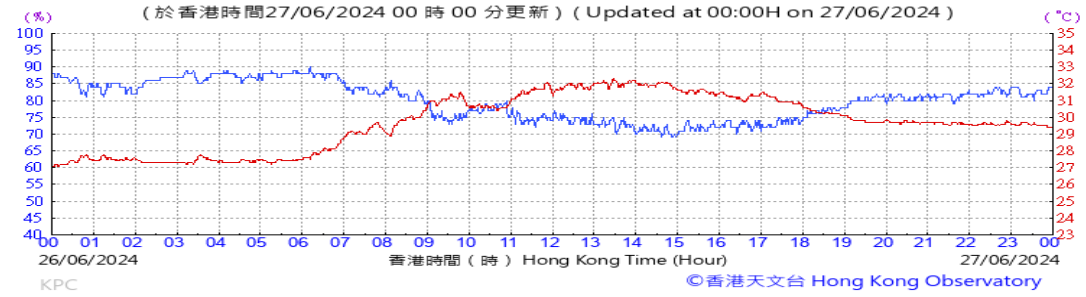

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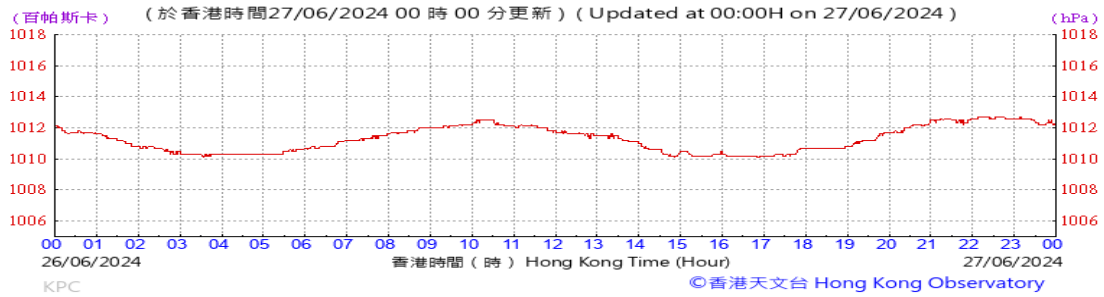

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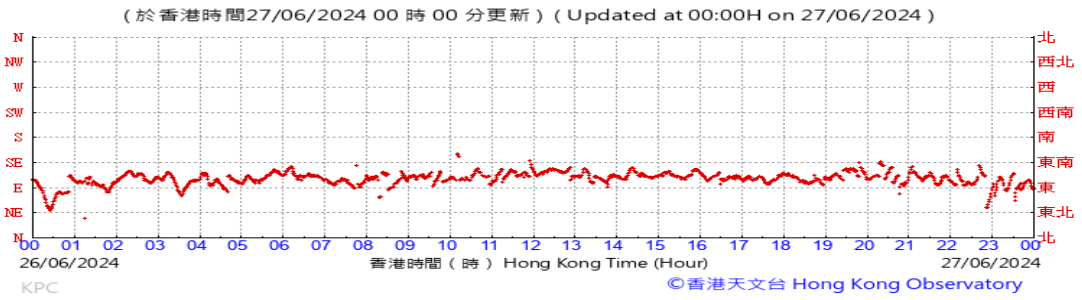

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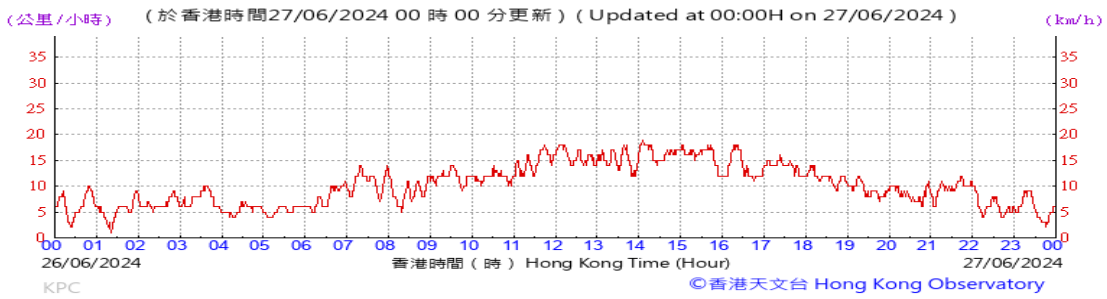

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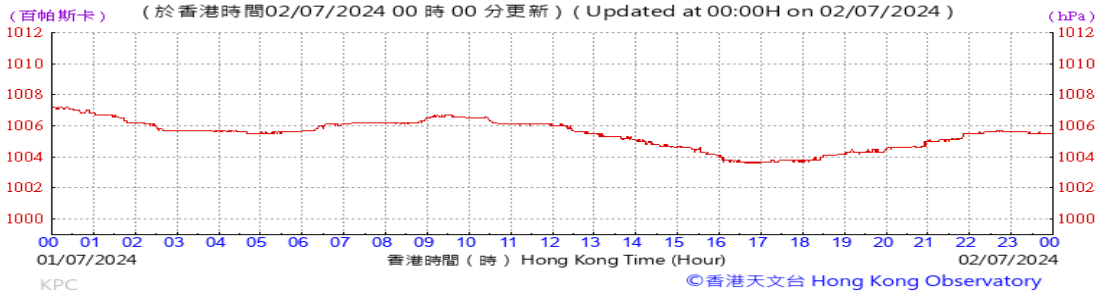

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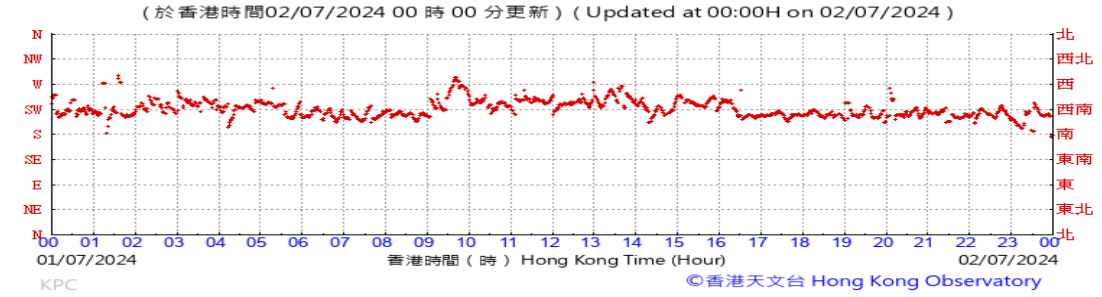

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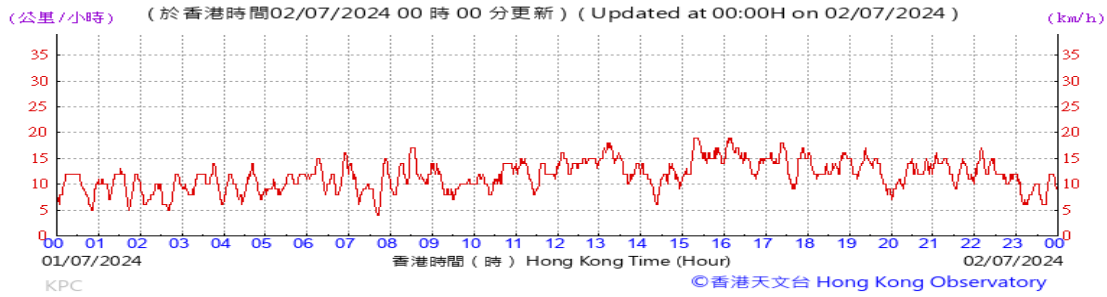

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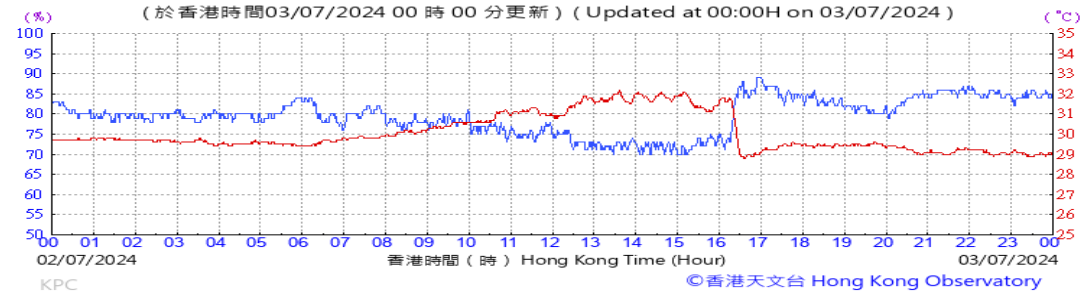

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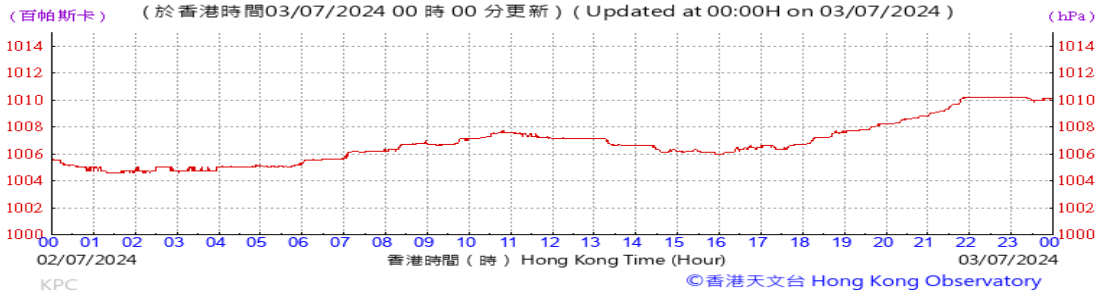

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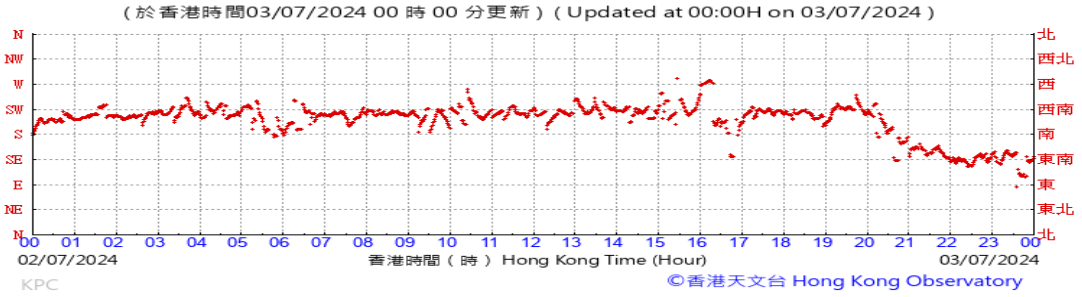

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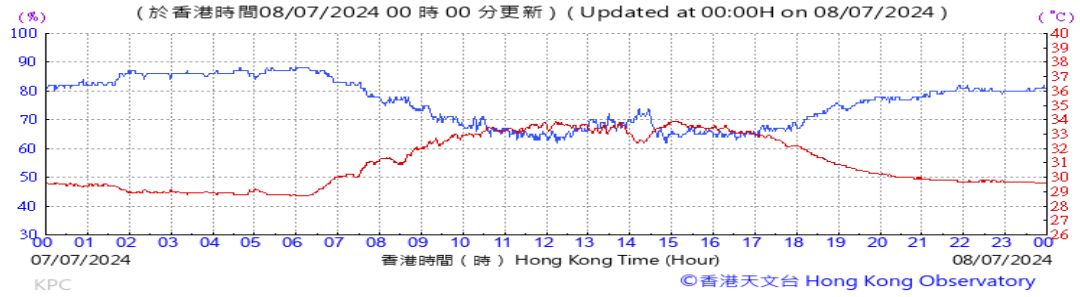

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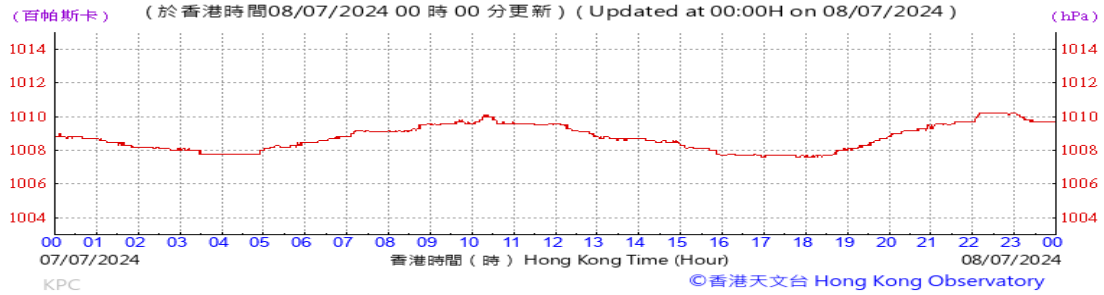

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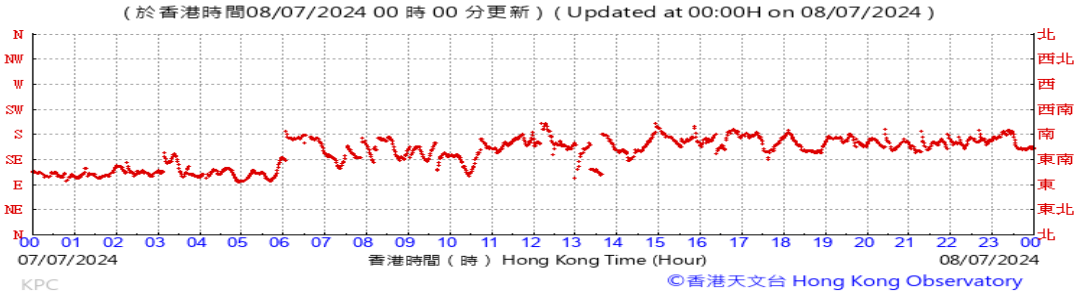

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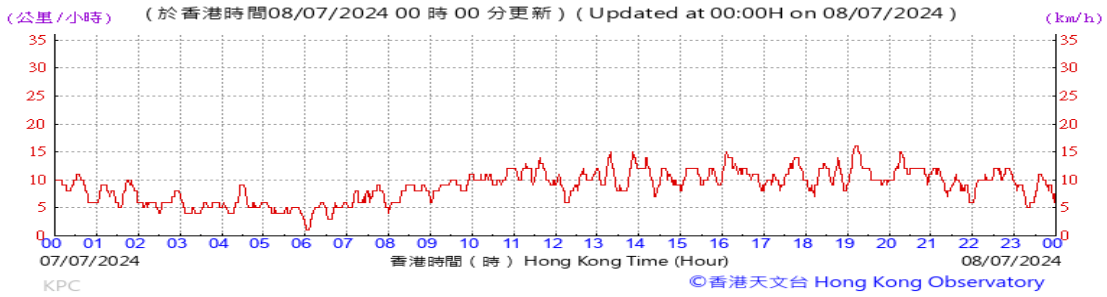

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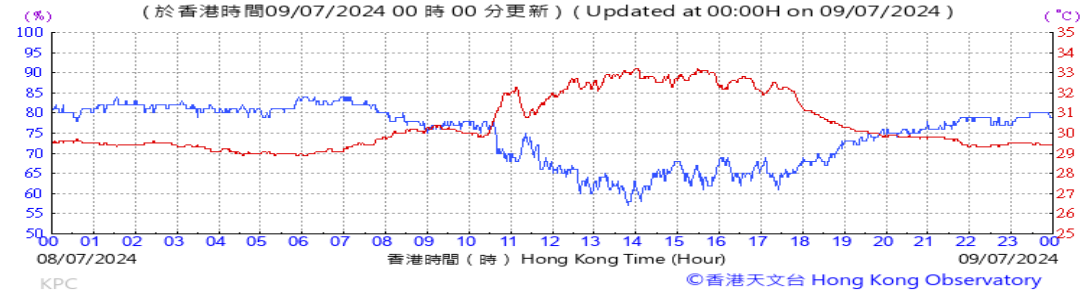

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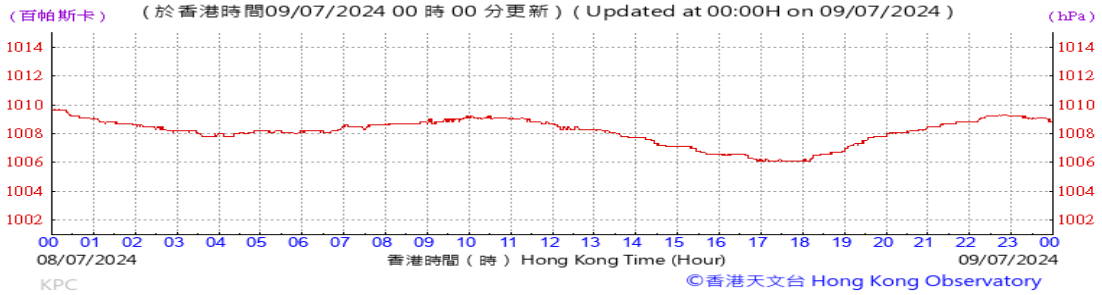

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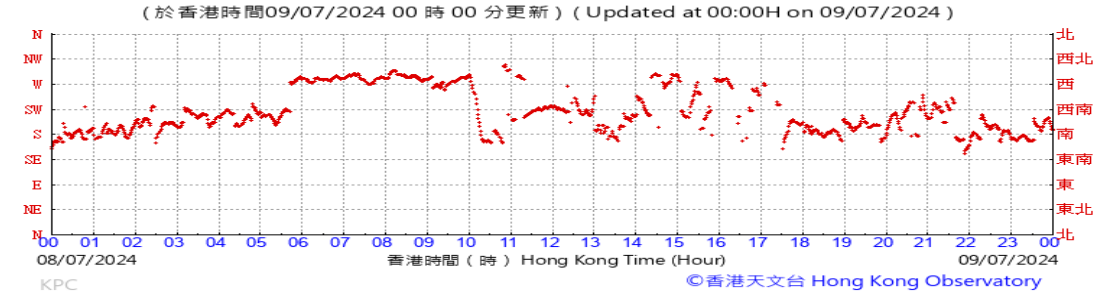

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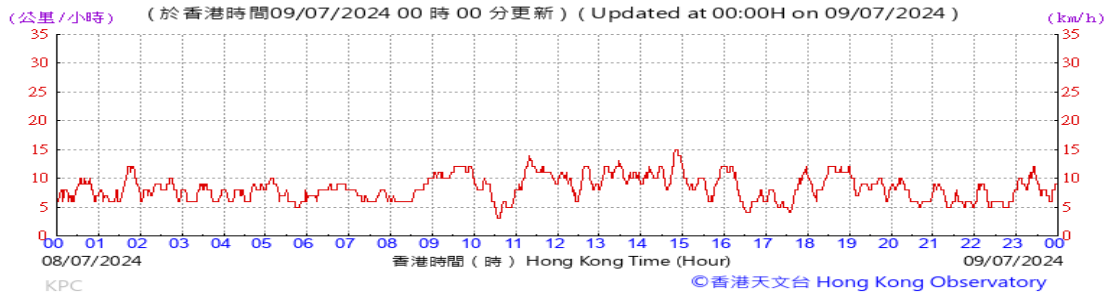

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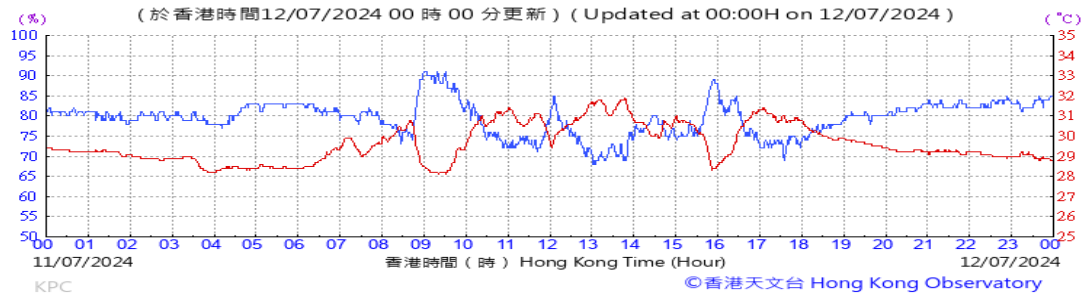

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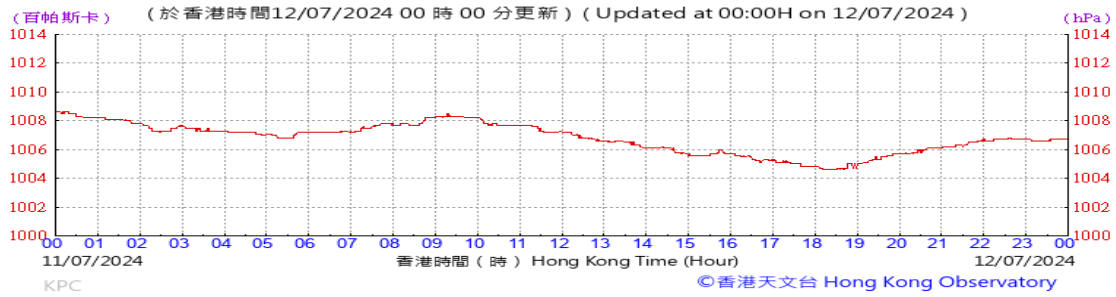

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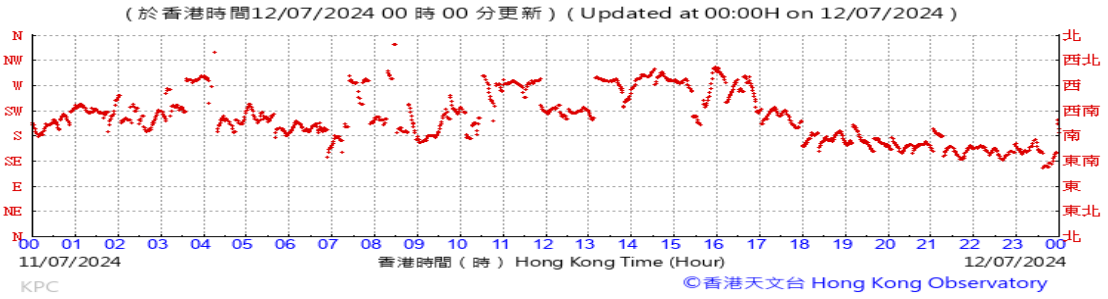

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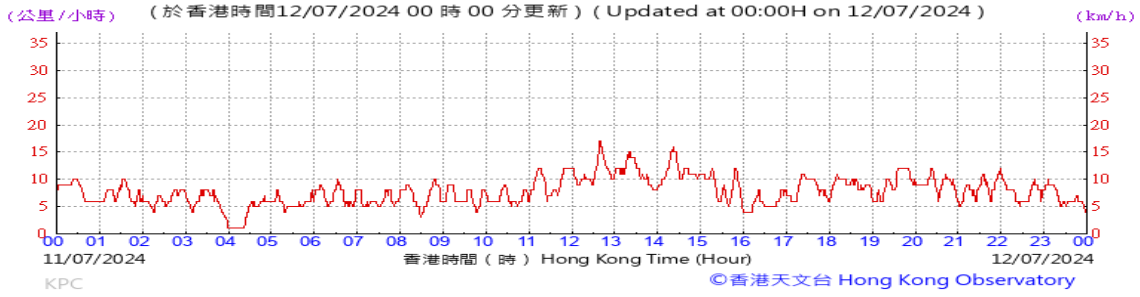
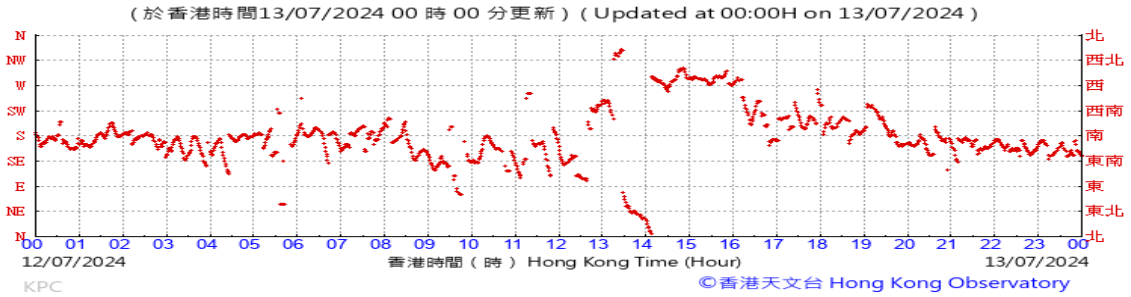


Temperature/Humidity:

Not available from HKO's website

Pressure:

Wind Direction:



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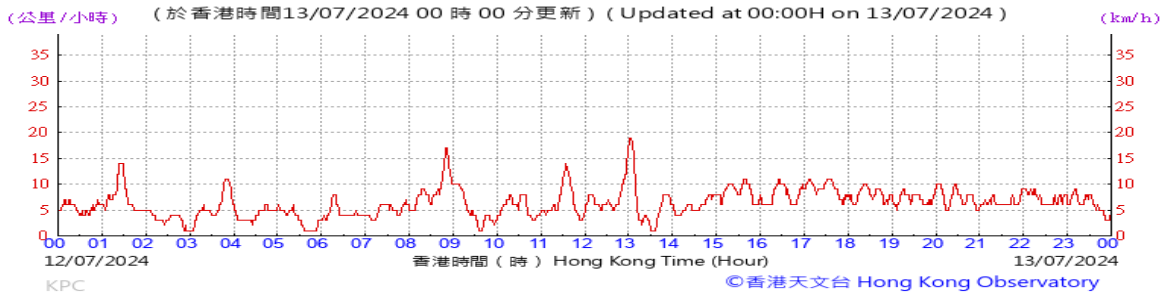

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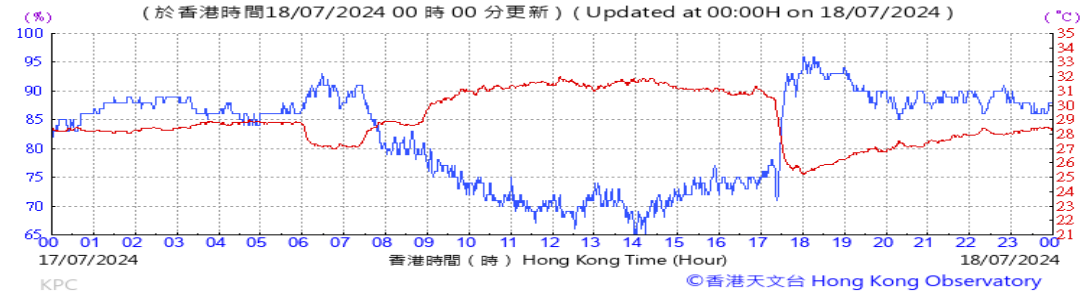

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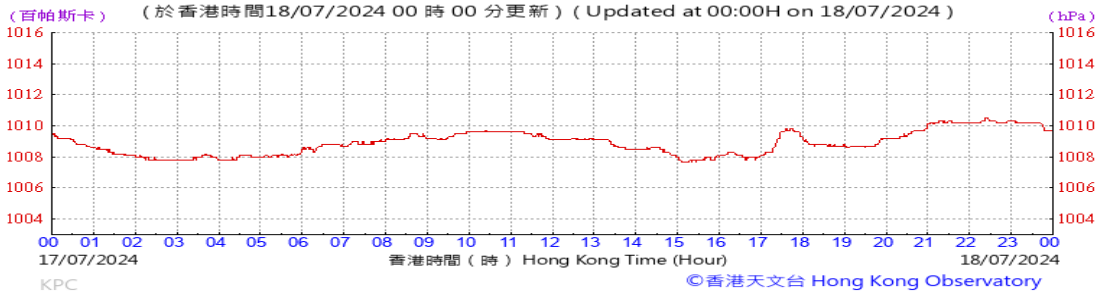

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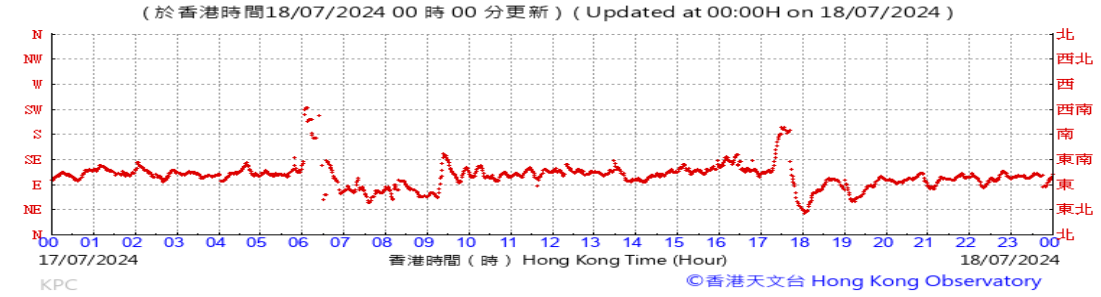

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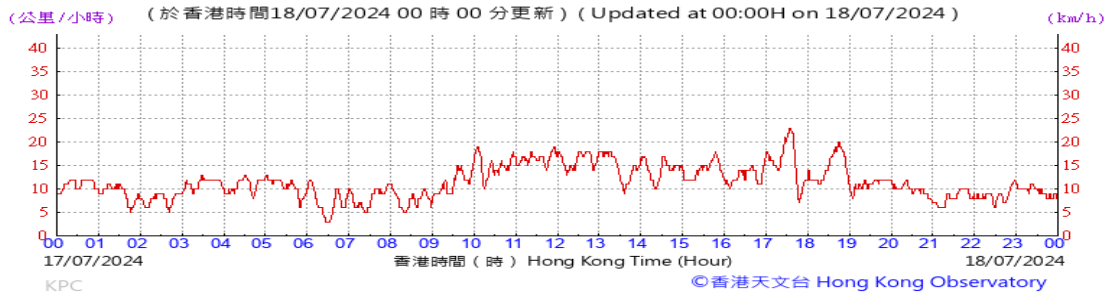
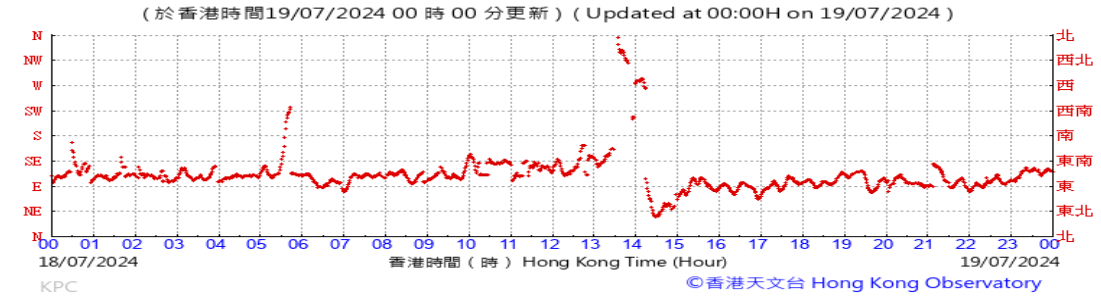


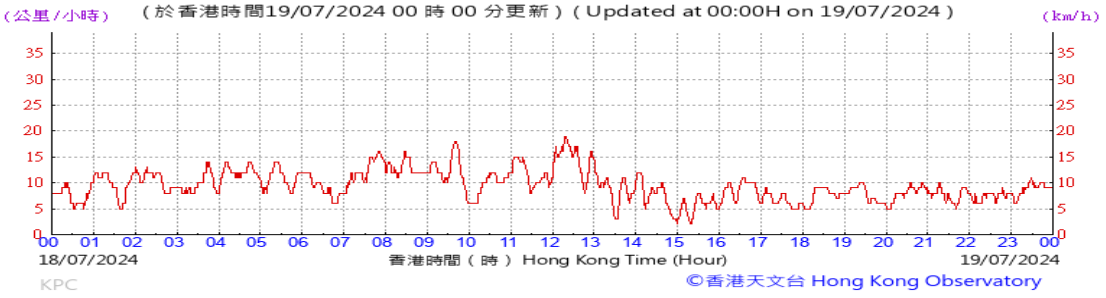
Temperature/Humidity:

Pressure:

Wind Direction:

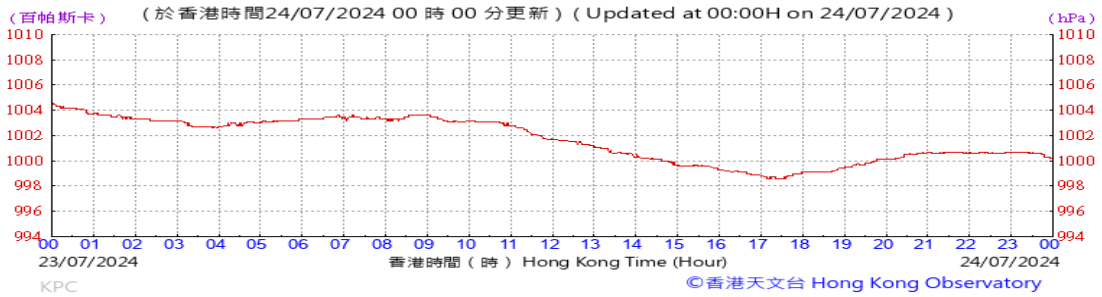


Wind Speed:



Temperature/Humidity:

Pressure:



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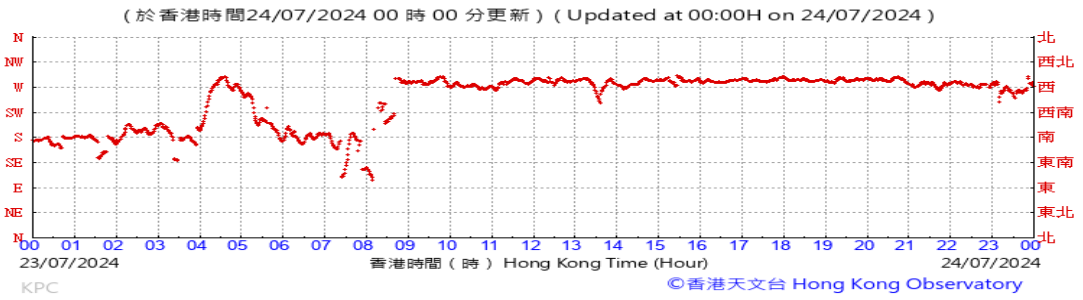
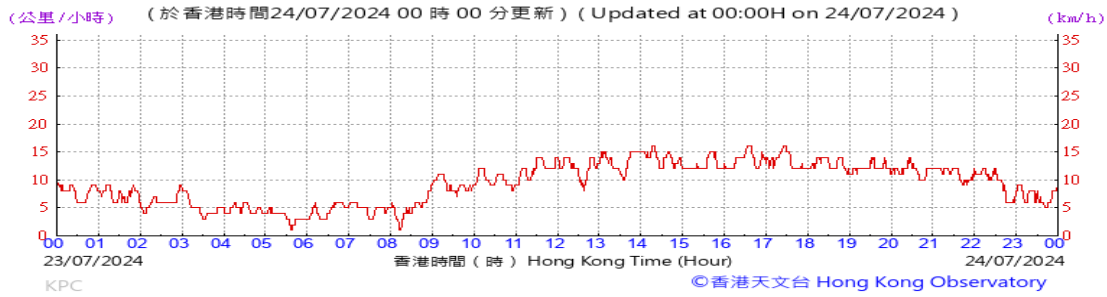
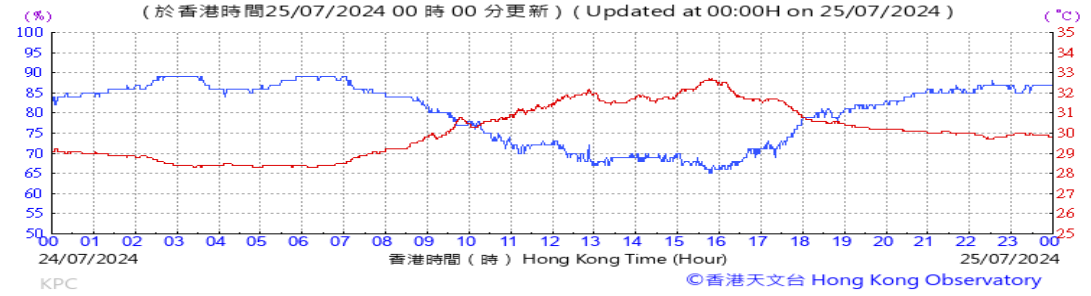


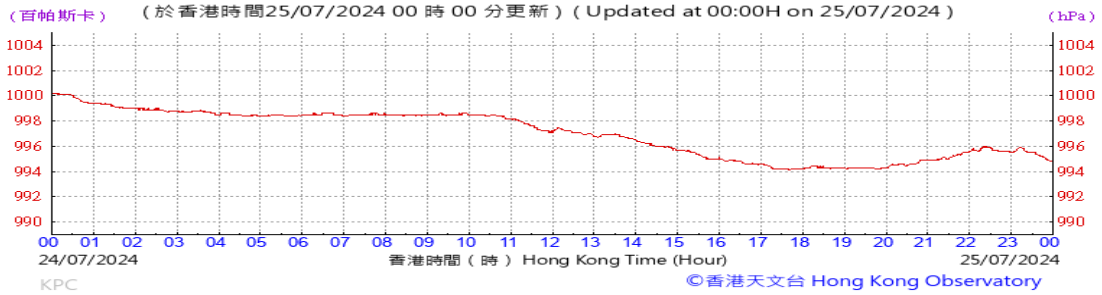
Wind Speed:



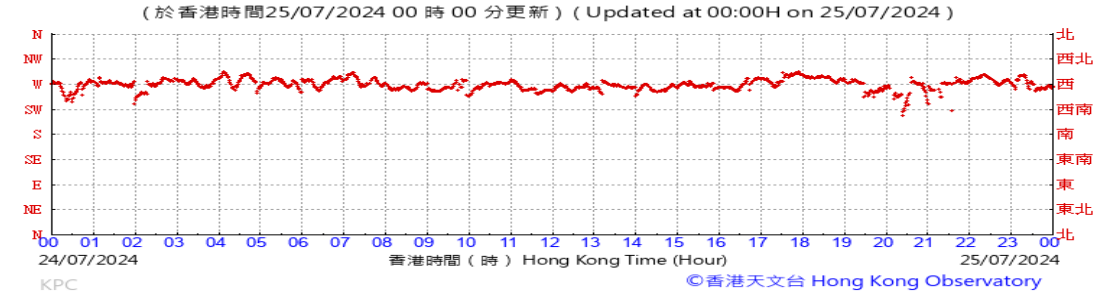
Temperature/Humidity:



Pressure:



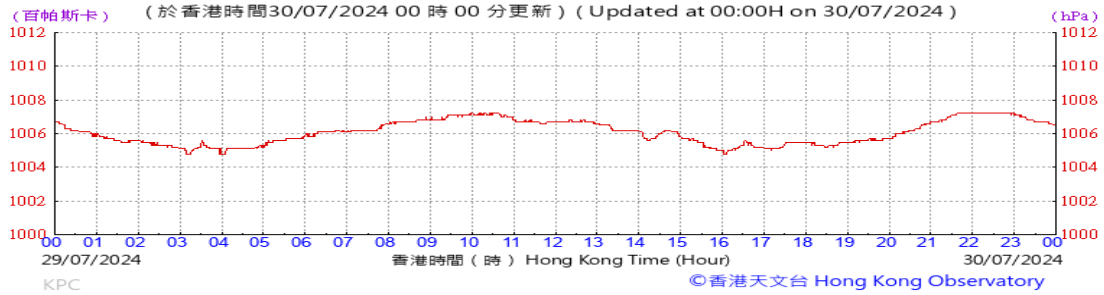
Wind Direction:



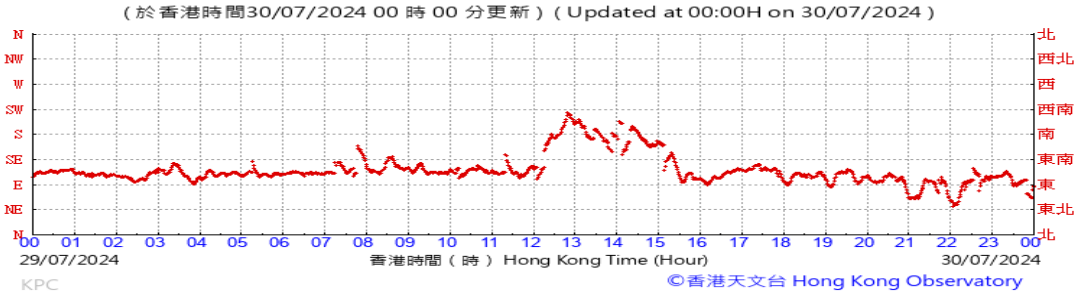
Wind Speed:

Temperature/Humidity:

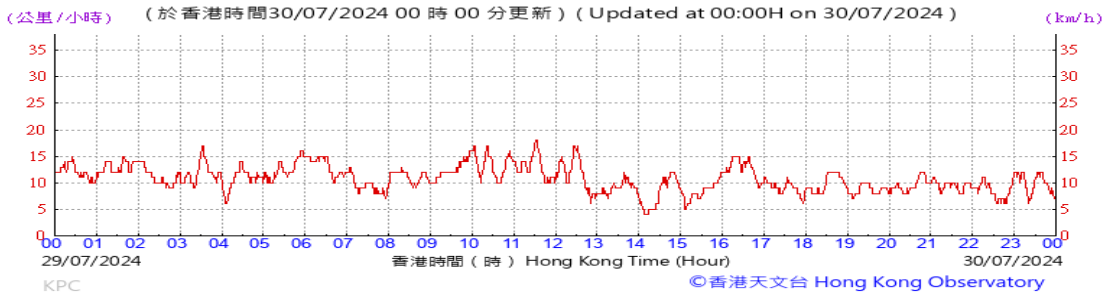
Pressure:



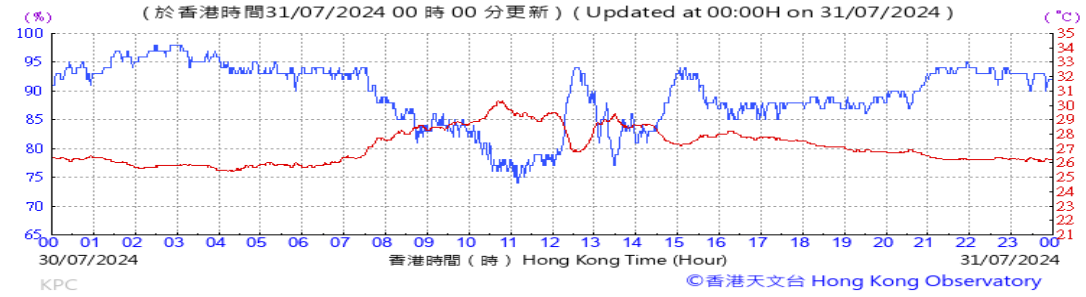
Wind Direction:



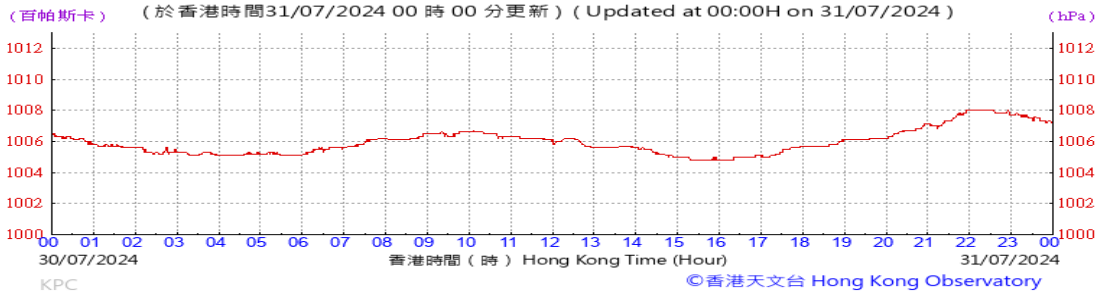
Wind Speed:



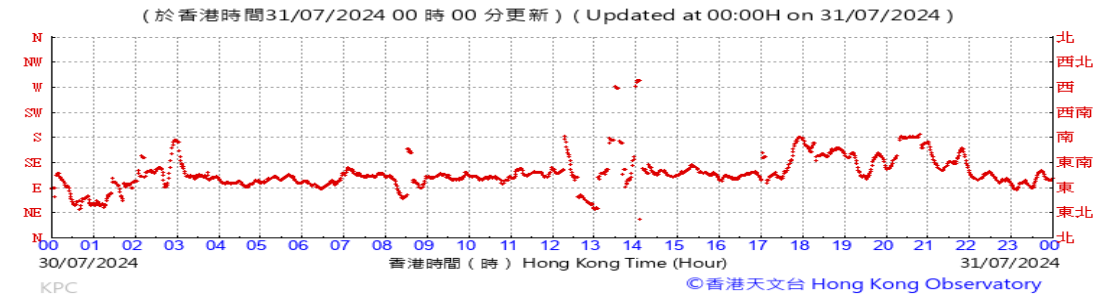
Temperature/Humidity:



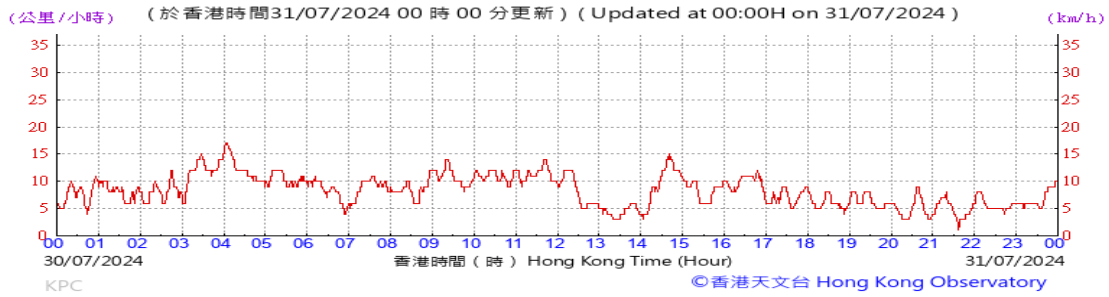
Pressure:



Wind Direction:



Wind Speed:

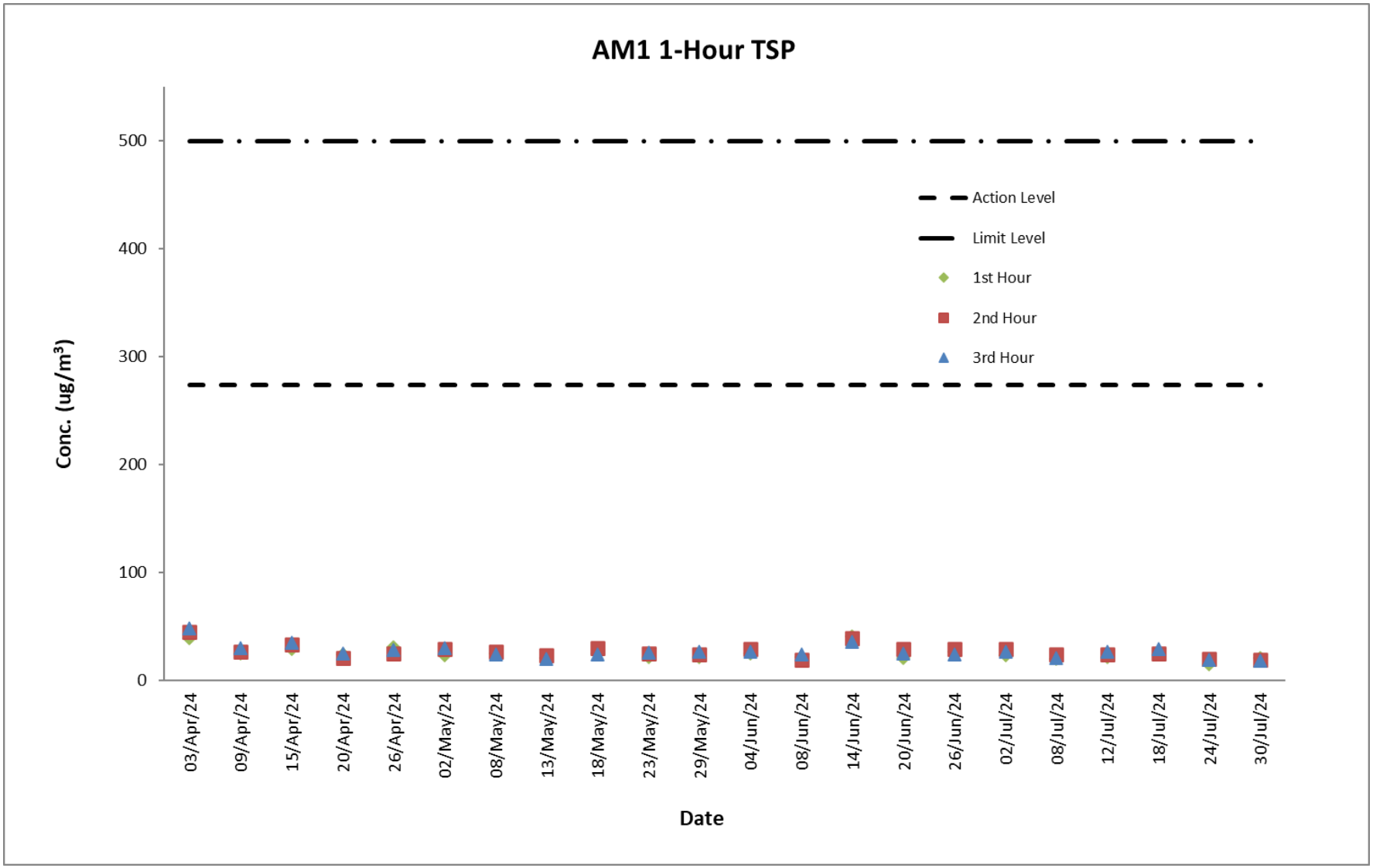


E. Graphical Plots of the Monitoring Results

Air Quality Monitoring Result at Station AM1 (1-hour TSP)

Date	Weather Condition	Time	Conc. (μg/m^3)			Action Level (μg/m3)	Limit Level (μg/m^3)
			1st Hour	2nd Hour	3rd Hour		
2-May-24	Cloudy	8:24 - 11:24	23	29	30	273.7	500
8-May-24	Fine	8:23 - 11:23	25	27	24	273.7	500
13-May-24	Cloudy	8:27 - 11:27	21	23	20	273.7	500
18-May-24	Cloudy	8:33 - 11:33	25	30	24	273.7	500
23-May-24	Cloudy	8:28 - 11:28	22	25	26	273.7	500
29-May-24	Cloudy	8:29 - 11:29	22	24	27	273.7	500
4-Jun-24	Cloudy	8:20 - 11:20	25	29	27	273.7	500
8-Jun-24	Cloudy	8:22 - 11:22	22	19	24	273.7	500
14-Jun-24	Cloudy	8:22 - 11:22	41	39	36	273.7	500
20-Jun-24	Fine	8:23 - 11:23	21	29	25	273.7	500
26-Jun-24	Sunny	8:20 - 11:20	27	29	24	273.7	500
2-Jul-24	Cloudy	8:23 - 11:23	23	29	27	273.7	500
8-Jul-24	Sunny	8:23 - 11:23	20	24	21	273.7	500
12-Jul-24	Fine	8:33 - 11:33	22	24	27	273.7	500
18-Jul-24	Fine	8:32 - 11:32	24	25	29	273.7	500
24-Jul-24	Cloudy	8:27 - 11:27	15	20	19	273.7	500
30-Jul-24	Cloudy	8:23 - 11:23	21	19	18	273.7	500

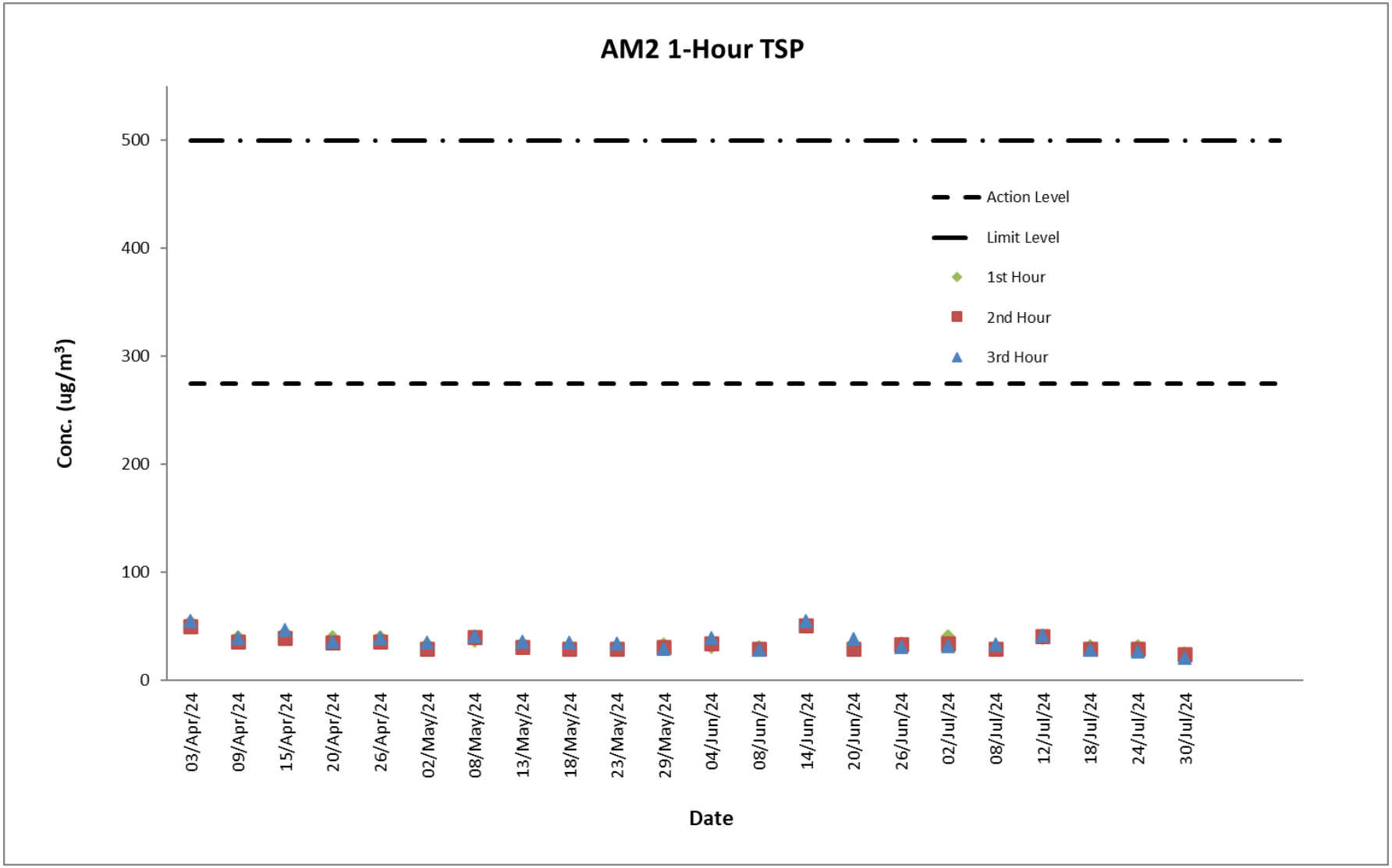
Graphical Presentation of Air Quality Monitoring Result at Station AM1 (1-hour TSP)



Air Quality Monitoring Result at Station AM2 (1-hour TSP)

Date	Weather Condition	Time	Conc. (μg/m^3)			Action Level (μg/m3)	Limit Level (μg/m^3)
			1st Hour	2nd Hour	3rd Hour		
2-May-24	Cloudy	8:39 - 11:39	33	29	35	274.2	500
8-May-24	Fine	8:38 - 11:38	37	40	41	274.2	500
13-May-24	Cloudy	8:43 - 11:43	34	31	36	274.2	500
18-May-24	Cloudy	8:48 - 11:48	31	29	35	274.2	500
23-May-24	Cloudy	8:43 - 11:43	31	29	34	274.2	500
29-May-24	Cloudy	8:44 - 11:44	33	31	29	274.2	500
4-Jun-24	Cloudy	8:33 - 11:33	31	34	39	274.2	500
8-Jun-24	Cloudy	8:36 - 11:36	31	29	28	274.2	500
14-Jun-24	Cloudy	8:03 - 11:03	50	51	55	274.2	500
20-Jun-24	Fine	8:38 - 11:38	31	29	38	274.2	500
26-Jun-24	Sunny	8:33 - 11:33	34	33	31	274.2	500
2-Jul-24	Cloudy	8:38 - 11:38	41	34	32	274.2	500
8-Jul-24	Sunny	8:37 - 11:37	31	29	33	274.2	500
12-Jul-24	Fine	8:47 - 11:47	39	41	42	274.2	500
18-Jul-24	Fine	8:47 - 11:47	32	29	28	274.2	500
24-Jul-24	Cloudy	8:43 - 11:43	32	29	27	274.2	500
30-Jul-24	Cloudy	8:38 - 11:38	25	24	21	274.2	500

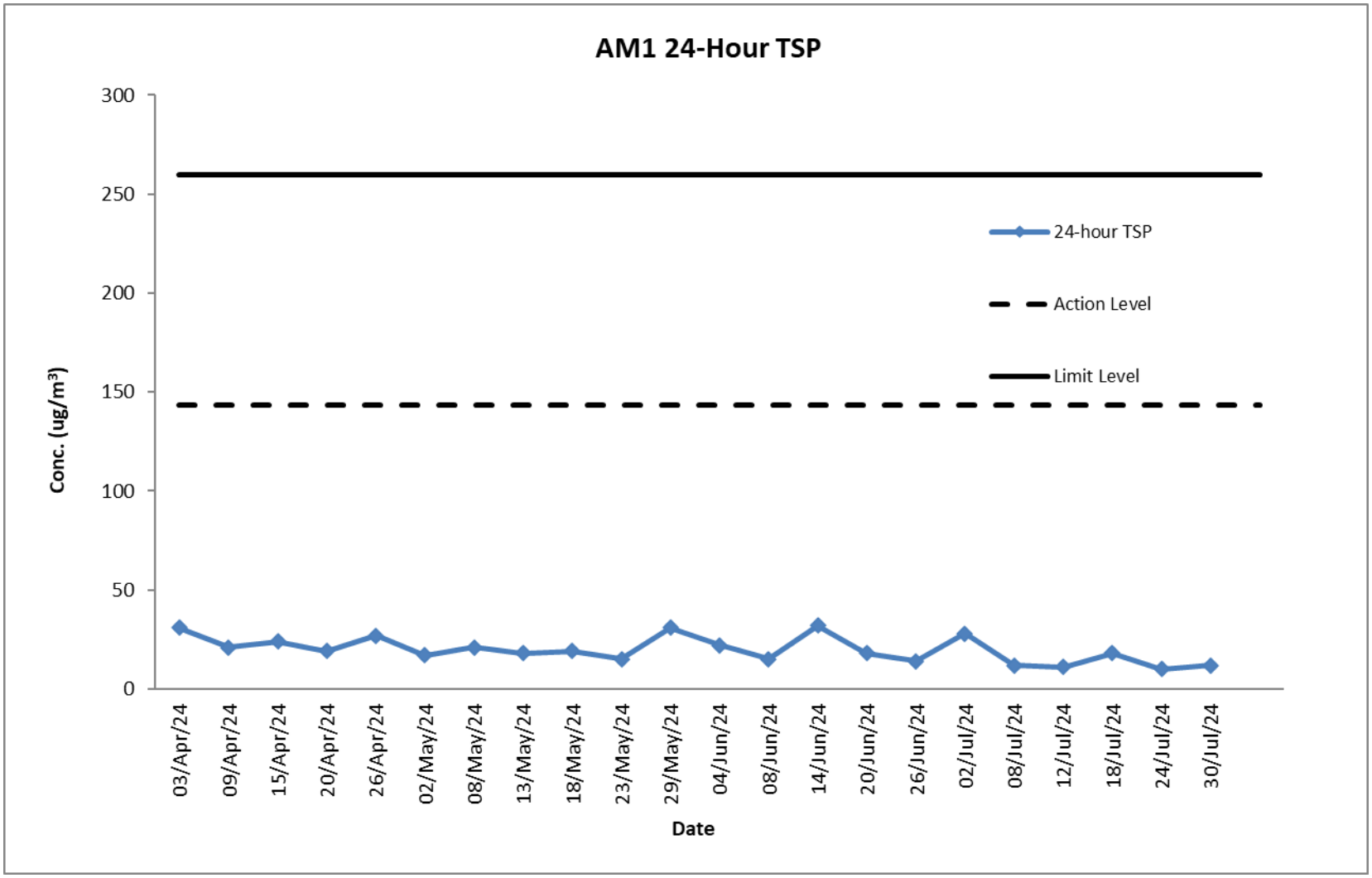
Graphical Presentation of Air Quality Monitoring Result at Station AM2 (1-hour TSP)



Air Quality Monitoring Result at Station AM1 (24-hour TSP)

Start		Finish		Filter Weight (g)		Reading		Sampling	Flow Rate (m^3/min)			Conc.	Weather	Action	Limit
Date	Time	Date	Time	Initial	Final	Initial	Final	Time (hrs)	Initial	Final	Average	(µg/m^3)	Condition	Level	Level
2-May-24	8:21	3-May-24	8:21	2.7963	2.8259	28060.38	28084.38	24	1.24	1.24	1.24	17	Cloudy	143.6	260
8-May-24	8:21	9-May-24	8:21	2.8168	2.8539	28084.38	28108.38	24	1.24	1.24	1.24	21	Fine	143.6	260
13-May-24	8:25	14-May-24	8:25	2.8008	2.8319	28108.38	28132.38	24	1.2	1.2	1.2	18	Cloudy	143.6	260
18-May-24	8:30	19-May-24	8:30	2.8075	2.8397	28132.38	28156.38	24	1.2	1.2	1.2	19	Cloudy	143.6	260
23-May-24	8:25	24-May-24	8:25	2.8045	2.8299	28156.38	28180.38	24	1.2	1.2	1.2	15	Cloudy	143.6	260
29-May-24	8:27	30-May-24	8:27	2.8132	2.8671	28180.38	28204.38	24	1.2	1.2	1.2	31	Cloudy	143.6	260
4-Jun-24	8:18	5-Jun-24	8:18	2.8022	2.8395	28204.38	28228.38	24	1.2	1.2	1.2	22	Cloudy	143.6	260
8-Jun-24	8:20	9-Jun-24	8:20	2.8118	2.8373	28228.38	28252.38	24	1.2	1.2	1.2	15	Cloudy	143.6	260
14-Jun-24	8:20	15-Jun-24	8:20	2.8030	2.8582	28252.38	28276.38	24	1.2	1.2	1.2	32	Cloudy	143.6	260
20-Jun-24	8:20	21-Jun-24	8:20	2.8059	2.8378	28276.38	28300.38	24	1.2	1.2	1.2	18	Fine	143.6	260
26-Jun-24	8:18	27-Jun-24	8:18	2.8045	2.8282	28300.38	28324.38	24	1.2	1.2	1.2	14	Sunny	143.6	260
2-Jul-24	8:20	3-Jul-24	8:20	2.8127	2.8613	28324.38	28348.38	24	1.2	1.2	1.2	28	Cloudy	143.6	260
8-Jul-24	8:20	9-Jul-24	8:20	2.7967	2.8195	28348.38	28372.38	24	1.27	1.27	1.27	12	Sunny	143.6	260
12-Jul-24	8:30	13-Jul-24	8:30	2.7995	2.8197	28372.38	28396.38	24	1.27	1.27	1.27	11	Fine	143.6	260
18-Jul-24	8:30	19-Jul-24	8:30	2.8028	2.8350	28396.38	28420.38	24	1.27	1.27	1.27	18	Fine	143.6	260
24-Jul-24	8:25	25-Jul-24	8:25	2.8046	2.8228	28420.38	28444.38	24	1.27	1.27	1.27	10	Cloudy	143.6	260
30-Jul-24	8:20	31-Jul-24	8:20	2.8084	2.8297	28444.38	28468.38	24	1.27	1.27	1.27	12	Cloudy	143.6	260

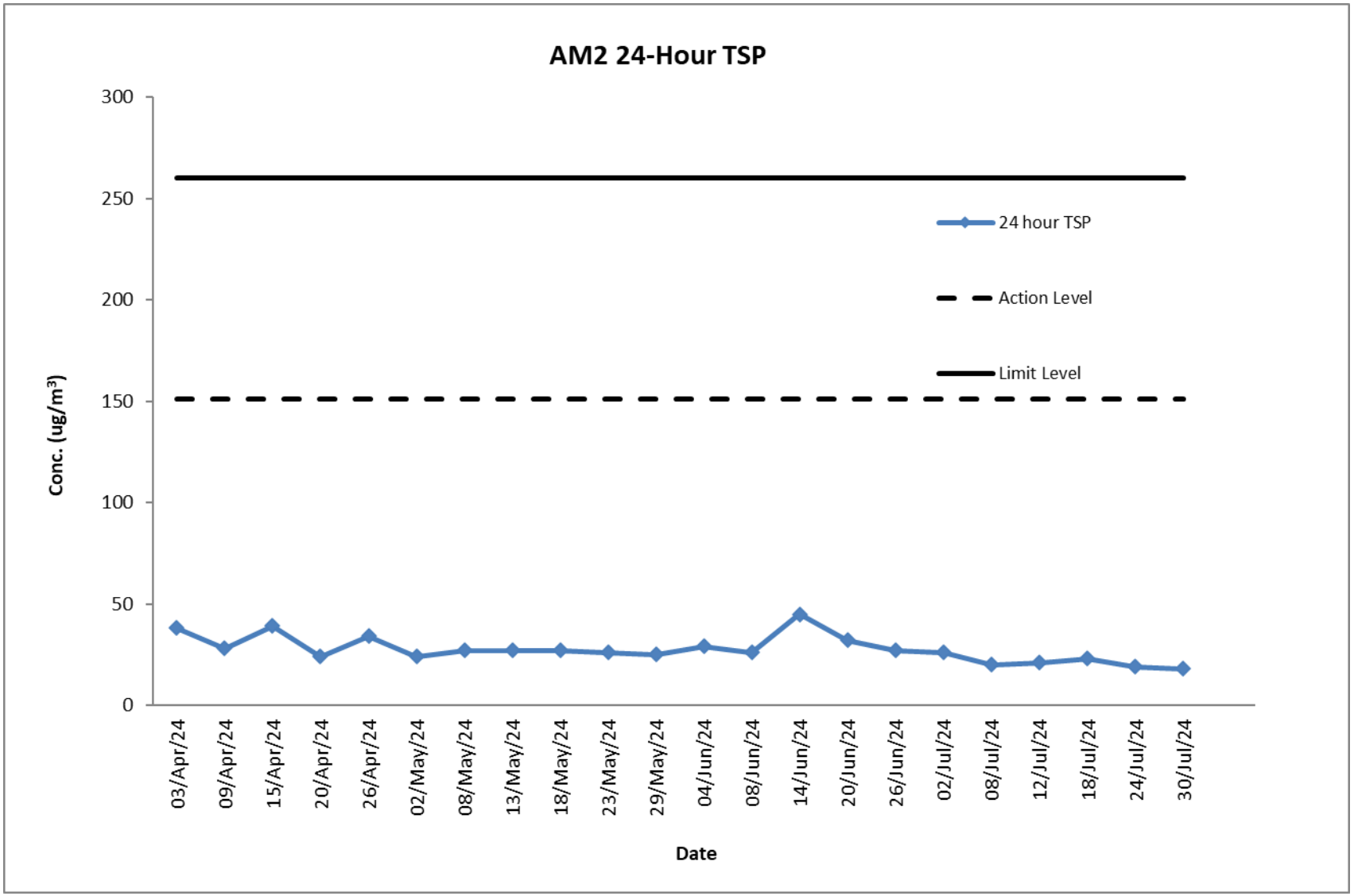
Graphical Presentation of Air Quality Monitoring Result at Station AM1 (24-hour TSP)



Air Quality Monitoring Result at Station AM2 (24-hour TSP)

Start		Finish		Sampling Time (hrs)	Conc. (μg/m^3)	Weather Condition	Action Level	Limit Level
Date	Time	Date	Time					
2-May-24	8:36	3-May-24	8:36	24	24	Cloudy	151.1	260
8-May-24	8:35	9-May-24	8:35	24	27	Fine	151.1	260
13-May-24	8:40	14-May-24	8:40	24	27	Cloudy	151.1	260
18-May-24	8:45	19-May-24	8:45	24	27	Cloudy	151.1	260
23-May-24	8:40	24-May-24	8:40	24	26	Cloudy	151.1	260
29-May-24	8:42	30-May-24	8:42	24	25	Cloudy	151.1	260
4-Jun-24	8:31	5-Jun-24	8:31	24	29	Cloudy	151.1	260
8-Jun-24	8:34	9-Jun-24	8:34	24	26	Cloudy	151.1	260
14-Jun-24	8:34	15-Jun-24	8:34	24	45	Cloudy	151.1	260
20-Jun-24	8:35	21-Jun-24	8:35	24	32	Fine	151.1	260
26-Jun-24	8:31	27-Jun-24	8:31	24	27	Sunny	151.1	260
2-Jul-24	8:35	3-Jul-24	8:35	24	26	Cloudy	151.1	260
8-Jul-24	8:35	9-Jul-24	8:35	24	20	Sunny	151.1	260
12-Jul-24	8:45	13-Jul-24	8:45	24	21	Fine	151.1	260
18-Jul-24	8:44	19-Jul-24	8:44	24	23	Fine	151.1	260
24-Jul-24	8:40	25-Jul-24	8:40	24	19	Cloudy	151.1	260
30-Jul-24	8:35	31-Jul-24	8:35	24	18	Cloudy	151.1	260

Graphical Presentation of Air Quality Monitoring Result at Station AM2 (24-hour TSP)



Noise Monitoring Result at Station NM1A

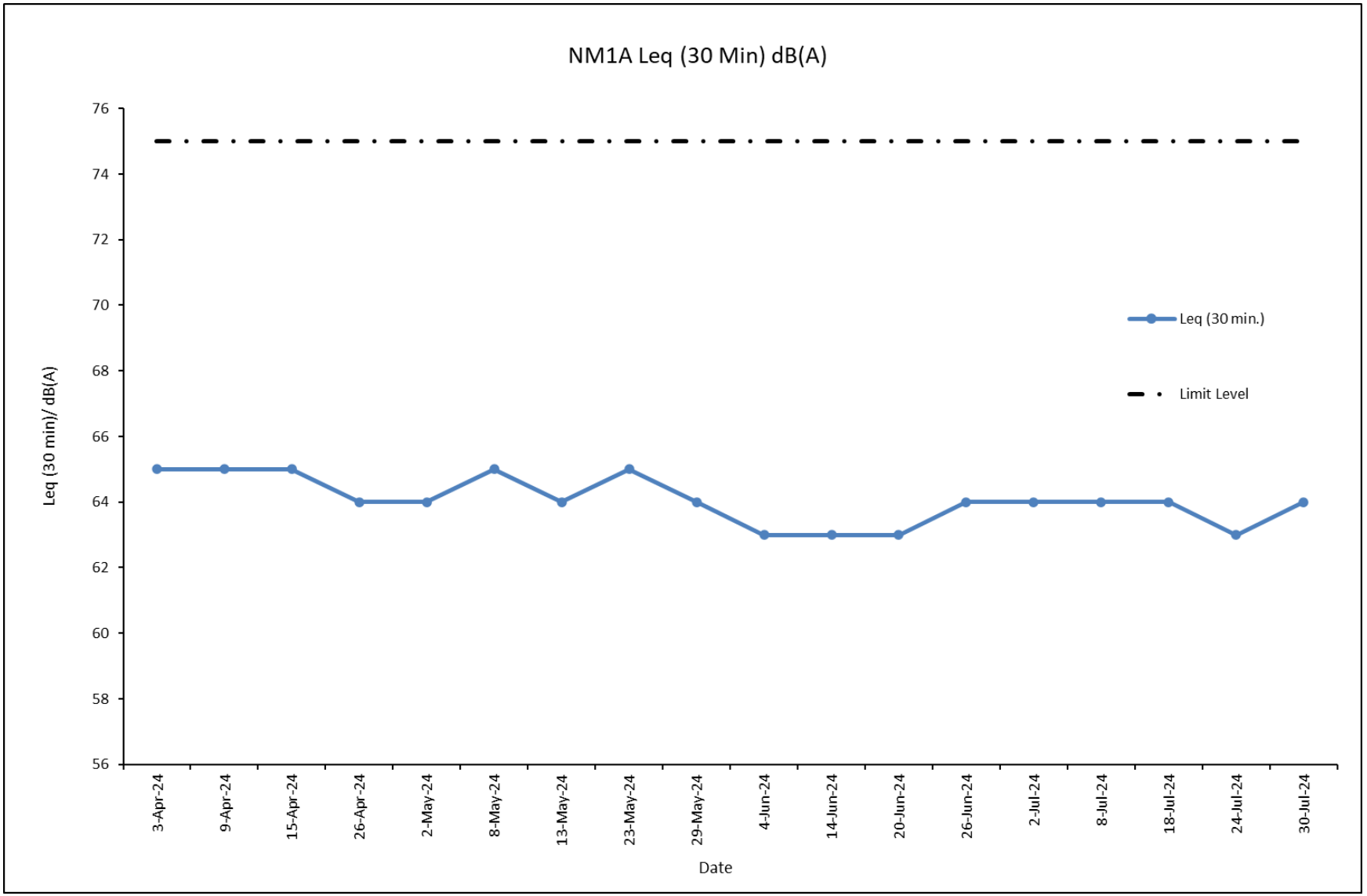
Date	Time	Measured L10 dB(A)	Measured L90 dB(A)	Leq (30 min.) dB(A)
2-May-24	9:23	64.8	60.4	64
2-May-24	9:28	63.3	59.7	
2-May-24	9:33	62.6	58.9	
2-May-24	9:38	63.0	59.4	
2-May-24	9:43	62.7	58.2	
2-May-24	9:48	62.5	58.1	
8-May-24	9:22	65.7	61.6	65
8-May-24	9:27	64.4	60.9	
8-May-24	9:32	63.9	59.0	
8-May-24	9:37	63.2	59.5	
8-May-24	9:42	64.0	60.4	
8-May-24	9:47	63.1	59.2	
13-May-24	9:26	62.5	58.6	64
13-May-24	9:31	63.3	59.0	
13-May-24	9:36	64.2	60.8	
13-May-24	9:41	62.0	58.4	
13-May-24	9:46	62.9	58.3	
13-May-24	9:51	63.7	59.6	
23-May-24	9:27	63.8	59.3	65
23-May-24	9:32	64.2	60.4	
23-May-24	9:37	65.0	61.9	
23-May-24	9:42	63.6	59.7	
23-May-24	9:47	64.3	60.5	
23-May-24	9:52	62.5	58.0	
29-May-24	9:28	62.4	58.3	64
29-May-24	9:33	63.2	59.6	
29-May-24	9:38	62.7	58.9	
29-May-24	9:43	61.9	57.0	
29-May-24	9:48	62.0	58.7	
29-May-24	9:53	63.4	59.2	
4-Jun-24	9:16	61.0	57.4	63
4-Jun-24	9:21	62.2	58.3	
4-Jun-24	9:26	63.6	59.9	
4-Jun-24	9:31	62.9	58.7	
4-Jun-24	9:36	61.7	57.6	
4-Jun-24	9:41	61.4	57.0	
14-Jun-24	9:20	61.0	57.3	63
14-Jun-24	9:25	62.2	58.5	
14-Jun-24	9:30	62.7	58.8	
14-Jun-24	9:35	61.9	57.6	
14-Jun-24	9:40	60.4	56.0	
14-Jun-24	9:45	62.1	58.2	
20-Jun-24	9:22	63.0	59.1	63
20-Jun-24	9:27	62.8	58.4	
20-Jun-24	9:32	61.3	57.7	
20-Jun-24	9:37	62.5	58.9	
20-Jun-24	9:42	60.7	56.0	
20-Jun-24	9:47	62.5	58.4	
26-Jun-24	9:16	63.0	59.2	64
26-Jun-24	9:21	62.4	58.5	
26-Jun-24	9:26	61.9	57.7	
26-Jun-24	9:31	62.7	58.8	
26-Jun-24	9:36	63.6	59.9	
26-Jun-24	9:41	62.4	58.0	

2-Jul-24	9:26	63.0	59.2	64
2-Jul-24	9:31	62.3	58.6	
2-Jul-24	9:36	63.5	59.9	
2-Jul-24	9:41	63.8	59.0	
2-Jul-24	9:46	62.6	58.4	
2-Jul-24	9:51	64.7	60.6	
8-Jul-24	9:21	63.0	59.2	64
8-Jul-24	9:26	62.6	58.8	
8-Jul-24	9:31	62.7	58.0	
8-Jul-24	9:36	63.4	59.7	
8-Jul-24	9:41	63.5	59.5	
8-Jul-24	9:46	62.9	58.2	
18-Jul-24	9:30	63.0	59.2	64
18-Jul-24	9:35	62.6	58.5	
18-Jul-24	9:40	63.4	59.8	
18-Jul-24	9:45	64.9	60.0	
18-Jul-24	9:50	62.7	58.6	
18-Jul-24	9:55	63.6	59.7	
24-Jul-24	9:26	62.7	58.2	63
24-Jul-24	9:31	61.0	57.5	
24-Jul-24	9:36	61.4	57.8	
24-Jul-24	9:41	63.9	59.0	
24-Jul-24	9:46	62.1	58.7	
24-Jul-24	9:51	62.2	58.9	
30-Jul-24	9:23	63.0	59.2	64
30-Jul-24	9:28	64.9	60.5	
30-Jul-24	9:33	62.4	58.8	
30-Jul-24	9:38	62.7	58.7	
30-Jul-24	9:43	61.4	57.6	
30-Jul-24	9:48	62.6	58.0	

Remarks:
+3dB (A) correction was applied to free-field measurement.

The station set-up of a free-field measurement at Station NM1A.

Graphical Presentation Noise Monitoring Result at Station NM1A



F. Waste Flow table

Table F-1: Monthly Waste Flow Table for Lyric Theatre Complex

Month	Actual Quantities of Inert C&D Materials Generated Monthly							Actual Quantities of C&D Wastes Generated Monthly					
	Total Quantity Generated	Hard Rocks and Large Broken Concrete	Reused in the Contract	Reused in other Projects	Disposed as Public Fill	Disposed to Sorting Facilty	Imported Fill	Metals	Paper/ Cardboard Packaging	Plastics	Wood/ Timber	Chemical Waste	Others, e.g. General Refuse
	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)
2016													
Mar	2702.1	0.0	0.0	0.0	2702.1	0.0	0.0	4.5	0.1	0.0	0.0	0.0	30.6
Apr	8631.5	0.0	0.0	0.0	8631.5	0.0	0.0	16.0	0.0	0.0	0.0	0.0	19.2
May	12487.8	0.0	0.0	0.0	12487.8	0.0	0.0	34.0	0.0	0.0	0.0	0.7	60.5
Jun	8600.8	0.0	0.0	0.0	8600.8	0.0	0.0	31.4	0.2	0.0	0.0	0.5	13.5
Jul	12624.2	0.0	0.0	0.0	12624.2	0.0	0.0	19.6	0.0	0.0	0.0	2.0	9.9
Aug	14419.9	0.0	0.0	0.0	14419.9	0.0	0.0	43.9	0.0	0.0	0.0	0.0	11.1
Sep	13671.3	0.0	0.0	0.0	13671.3	0.0	0.0	59.8	0.0	0.0	0.0	1.6	12.4
Oct	13088.9	0.0	0.0	0.0	13088.9	0.0	0.0	36.9	0.2	1.5	0.0	0.0	15.2
Nov	12424.7	0.0	0.0	0.0	12424.7	0.0	0.0	74.7	0.0	0.0	0.0	1.4	10.2
Dec	12487.6	0.0	0.0	0.0	12487.6	0.0	0.0	13.9	0.0	0.0	0.0	1.3	9.0
Sub-total (2016)	111138.8	0.0	0.0	0.0	111138.8	0.0	0.0	334.5	0.4	1.5	0.0	7.6	191.6
2017													
Jan	9607.8	0.0	0.0	0.0	9607.8	0.0	0.0	29.5	0.0	0.0	0.0	0.0	7.3
Feb	9108.2	0.0	0.0	0.0	9108.2	0.0	0.0	50.2	0.2	0.0	0.0	0.7	9.8
Mar	11361.7	0.0	0.0	0.0	11361.7	0.0	0.0	16.1	0.0	0.0	0.0	1.4	8.5
Apr	2591.5	0.0	0.0	0.0	2591.5	0.0	0.0	35.7	0.0	0.0	0.0	0.0	4.7
May	2579.3	0.0	0.0	99.0	2480.3	0.0	0.0	20.9	0.1	0.0	0.0	0.5	10.0
Jun	476.0	0.0	0.0	341.0	129.7	5.3	0.0	0.0	0.0	0.0	0.0	0.0	7.6
Jul	3419.0	0.0	0.0	804.0	2615.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.8
Aug	3730.9	0.0	0.0	1377.5	2353.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.4
Sep	2108.2	0.0	0.0	1133.5	974.7	0.0	0.0	34.6	0.2	0.0	0.0	0.0	10.8
Oct	9159.0	0.0	0.0	7868.0	1291.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	9.3
Nov	5095.4	0.0	0.0	4352.0	725.2	18.1	0.0	0.0	0.0	0.0	0.0	0.0	38.8
Dec	3856.2	0.0	0.0	3076.0	780.2	0.0	0.0	0.0	0.2	0.0	0.0	0.4	8.4
Sub-total (2017)	63093.1	0.0	0.0	19051.0	44018.7	23.4	0.0	187.1	0.7	0.0	0.0	3.8	137.3

Table F-1: Monthly Waste Flow Table for Lyric Theatre Complex

Month	Actual Quantities of Inert C&D Materials Generated Monthly							Actual Quantities of C&D Wastes Generated Monthly					
	Total Quantity Generated	Hard Rocks and Large Broken Concrete	Reused in the Contract	Reused in other Projects	Disposed as Public Fill	Disposed to Sorting Facilty	Imported Fill	Metals	Paper/ Cardboard Packaging	Plastics	Wood/ Timber	Chemical Waste	Others, e.g. General Refuse
	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)
2018													
Jan	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Feb	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
Mar	6120.2	0.0	0.0	5782.0	338.2	0.0	0.0	0.0	0.0	1.0	0.0	0.5	17.6
Apr	14460.3	0.0	0.0	12484.1	1976.3	0.0	0.0	0.0	0.0	0.2	0.0	0.0	7.6
May	59783.7	0.0	0.0	46989.0	12794.7	0.0	0.0	59.6	0.0	0.0	0.0	0.0	9.4
Jun	53117.5	0.0	0.0	37642.8	15474.7	0.0	0.0	51.5	0.2	0.0	0.0	0.0	12.8
Jul	89901.5	0.0	0.0	85317.1	4584.4	0.0	165.1	114.6	0.0	0.0	0.0	0.0	41.3
Aug	35137.3	0.0	0.0	33731.6	1405.7	0.0	214.3	148.1	0.0	0.0	0.0	0.0	48.5
Sep	4924.3	0.0	0.0	4641.2	196.1	87.0	174.6	40.0	0.0	0.0	0.0	0.0	179.2
Oct	19099.9	0.0	0.0	11301.0	7642.8	156.1	0.0	106.3	0.4	0.0	0.0	0.0	528.5
Nov	104168.0	0.0	0.0	79811.6	24351.0	5.3	0.0	54.5	0.0	0.6	0.0	0.0	31.5
Dec	62989.9	0.0	0.0	51284.4	11699.9	5.6	0.0	95.1	0.0	0.6	0.0	0.0	65.9
Sub-total (2018)	449702.6	0.0	0.0	368984.8	80463.7	254.0	553.9	669.7	0.5	2.4	0.0	0.5	943.7
2019													
Jan	74479.1	0.0	0.0	69249.5	5229.7	0.0	318.0	326.7	0.2	0.0	0.0	0.0	76.3
Feb	21969.9	0.0	0.0	17723.9	4246.0	0.0	16.5	55.2	0.0	0.0	0.0	0.0	26.7
Mar	19311.9	0.0	0.0	8569.9	10742.0	0.0	337.8	61.5	0.0	0.0	0.0	0.0	36.3
Apr	28559.9	0.0	0.0	21280.3	7279.6	0.0	0.0	32.6	0.0	0.8	0.0	0.0	24.9
May	45418.0	0.0	0.0	11200.6	34217.4	0.0	0.0	27.4	0.2	0.5	0.0	0.0	33.7
Jun	66633.4	0.0	0.0	23874.5	42748.0	10.9	59.2	11.9	0.0	0.9	0.0	0.0	35.3
Jul	36619.6	0.0	0.0	1632.7	34960.9	26.0	64.4	120.7	0.0	0.0	0.0	0.0	57.9
Aug	2526.8	0.0	0.0	0.0	2499.0	27.8	31.9	40.2	0.0	0.8	0.0	0.0	66.3
Sep	4117.6	0.0	0.0	0.0	4088.7	28.9	95.2	19.0	0.0	0.6	0.0	0.0	127.4
Oct	6974.2	0.0	0.0	0.0	6948.1	26.1	15.9	11.4	0.2	1.0	0.0	0.6	223.6
Nov	5334.4	0.0	0.0	0.0	5304.1	30.3	0.0	8.9	0.0	0.0	0.0	0.0	151.6
Dec	6236.8	0.0	0.0	0.0	6236.8	0.0	0.0	70.6	0.0	0.0	0.0	0.0	98.9
Sub-total (2019)	318181.6	0.0	0.0	153531.3	164500.1	150.1	938.9	785.8	0.6	4.6	0.0	0.6	959.0

Table F-1: Monthly Waste Flow Table for Lyric Theatre Complex

Month	Actual Quantities of Inert C&D Materials Generated Monthly							Actual Quantities of C&D Wastes Generated Monthly					
	Total Quantity Generated	Hard Rocks and Large Broken Concrete	Reused in the Contract	Reused in other Projects	Disposed as Public Fill	Disposed to Sorting Facilty	Imported Fill	Metals	Paper/ Cardboard Packaging	Plastics	Wood/ Timber	Chemical Waste	Others, e.g. General Refuse
	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)
2020													
Jan	7089.9	0.0	0.0	0.0	7089.9	0.0	0.0	10.6	0.2	0.0	0.0	0.0	65.7
Feb	16822.3	0.0	0.0	0.0	16822.3	0.0	0.0	232.2	0.1	0.0	0.0	0.0	66.3
Mar	6559.0	0.0	0.0	0.0	6559.0	0.0	110.4	63.1	0.0	0.9	0.0	0.0	138.3
Apr	4997.9	0.0	0.0	1615.7	3382.2	0.0	159.2	1123.9	1.9	0.0	0.0	0.0	113.2
May	2236.0	0.0	0.0	452.3	1783.6	0.0	0.0	406.5	0.0	0.0	0.0	0.0	188.8
Jun	1134.3	0.0	0.0	0.0	1134.3	0.0	31.5	262.6	0.2	0.6	0.0	0.0	210.6
Jul	148.8	0.0	0.0	0.0	148.8	0.0	31.5	458.5	0.5	0.0	0.0	0.0	220.0
Aug	540.7	0.0	0.0	0.0	540.7	0.0	0.0	340.8	0.0	0.0	0.0	0.0	238.3
Sep	1432.3	0.0	0.0	0.0	1432.3	0.0	0.0	750.7	0.2	0.0	0.0	0.0	291.9
Oct	1381.5	0.0	0.0	0.0	1381.5	0.0	0.0	717.9	0.2	0.0	0.0	0.0	400.2
Nov	1444.1	0.0	0.0	0.0	1437.4	6.7	475.8	473.6	0.2	0.5	0.0	0.0	377.8
Dec	793.8	0.0	0.0	0.0	793.8	0.0	0.0	478.3	0.2	0.0	0.0	0.0	435.8
Sub-total (2020)	44580.6	0.0	0.0	2068.1	42505.8	6.7	808.3	5318.7	3.7	2.0	0.0	0.0	2746.8
2021													
Jan	881.4	0.0	0.0	0.0	881.4	0.0	0.0	835.1	0.4	0.0	0.0	0.0	497.0
Feb	544.7	0.0	0.0	0.0	544.7	0.0	0.0	100.5	0.3	0.0	0.0	0.0	504.7
Mar	406.1	0.0	0.0	0.0	406.1	0.0	0.0	455.8	0.3	0.0	0.0	0.0	881.7
Apr	633.0	0.0	0.0	0.0	633.0	0.0	0.0	429.9	0.7	0.0	0.0	0.0	613.0
May	1125.8	0.0	0.0	0.0	1125.8	0.0	0.0	355.1	0.2	0.1	0.0	0.0	355.2
Jun	877.3	0.0	0.0	0.0	877.3	0.0	0.0	98.4	0.2	0.0	0.0	0.4	420.3
Jul	8.9	0.0	0.0	0.0	0.0	8.9	0.0	43.9	2.0	0.0	0.0	0.0	278.2
Aug	1296.2	0.0	0.0	0.0	1296.2	0.0	0.0	161.5	0.0	0.0	0.0	0.0	459.1
Sep	1040.5	0.0	0.0	0.0	490.9	549.6	0.0	62.9	0.0	0.0	0.0	0.0	620.8
Oct	311.0	0.0	0.0	0.0	311.0	0.0	0.0	85.9	0.3	0.0	0.0	0.0	485.6
Nov	203.9	0.0	0.0	0.0	203.9	0.0	0.0	65.9	0.0	0.0	0.0	0.0	609.6
Dec	576.6	0.0	0.0	0.0	576.6	0.0	0.0	13.4	0.0	0.0	0.0	0.0	590.6
Sub-total (2021)	7905.3	0.0	0.0	0.0	7346.9	558.5	0.0	2708.2	4.4	0.1	0.0	0.4	6315.9

Table F-1: Monthly Waste Flow Table for Lyric Theatre Complex

Month	Actual Quantities of Inert C&D Materials Generated Monthly							Actual Quantities of C&D Wastes Generated Monthly					
	Total Quantity Generated	Hard Rocks and Large Broken Concrete	Reused in the Contract	Reused in other Projects	Disposed as Public Fill	Disposed to Sorting Facilty	Imported Fill	Metals	Paper/ Cardboard Packaging	Plastics	Wood/ Timber	Chemical Waste	Others, e.g. General Refuse
	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)
2022													
Jan	579.3	0.0	0.0	0.0	579.3	0.0	0.0	23.5	0.4	0.0	0.0	0.0	565.5
Feb	58.9	0.0	0.0	0.0	58.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	172.2
Mar	412.8	0.0	0.0	0.0	412.8	0.0	0.0	12.4	0.3	0.0	0.0	0.0	339.8
Apr	390.2	0.0	0.0	0.0	390.2	0.0	0.0	24.8	0.0	0.0	0.0	0.0	390.9
May	350.1	0.0	0.0	0.0	342.9	7.2	0.0	44.3	0.3	0.1	0.0	0.0	401.9
Jun	200.4	0.0	0.0	0.0	200.4	0.0	0.0	21.1	0.0	0.0	0.0	1.1	447.8
Jul	166.8	0.0	0.0	0.0	166.8	0.0	0.0	6.3	0.3	0.0	0.0	0.7	343.9
Aug	150.9	0.0	0.0	0.0	150.9	0.0	0.0	9.6	0.4	0.2	0.0	0.0	410.6
Sep	437.6	0.0	0.0	0.0	437.6	0.0	0.0	11.5	0.3	0.0	0.0	0.0	348.3
Oct	708.0	0.0	0.0	0.0	708.0	0.0	0.0	13.8	0.0	0.0	0.0	0.0	353.0
Nov	244.1	0.0	0.0	0.0	244.1	0.0	0.0	47.3	0.3	0.0	0.0	0.0	427.4
Dec	337.4	0.0	0.0	0.0	337.4	0.0	0.0	28.1	0.0	0.0	0.0	0.0	385.3
Sub-total (2022)	4036.4	0.0	0.0	0.0	4029.3	7.2	0.0	242.7	2.3	0.3	0.0	1.8	4586.6
2023													
Jan	307.0	0.0	0.0	0.0	307.0	0.0	0.0	44.5	0.0	0.0	0.0	0.0	415.1
Feb	1087.8	0.0	0.0	0.0	1087.8	0.0	0.0	22.9	0.4	0.0	0.0	0.0	411.4
Mar	1944.0	0.0	0.0	0.0	1944.0	0.0	0.0	37.7	0.0	0.0	0.0	0.0	469.6
Apr	819.5	0.0	0.0	0.0	819.5	0.0	0.0	218.7	0.0	0.0	0.0	0.0	320.5
May	842.1	0.0	0.0	0.0	842.1	0.0	0.0	35.6	0.3	0.0	0.0	0.0	439.4
Jun	952.1	0.0	0.0	0.0	952.1	0.0	0.0	22.9	0.2	0.0	0.0	0.0	399.3
Jul	583.1	0.0	0.0	0.0	583.1	0.0	0.0	38.3	0.0	0.0	0.0	0.0	421.6
Aug	778.2	0.0	0.0	0.0	778.2	0.0	0.0	28.5	0.0	0.0	0.0	0.0	427.9
Sep	316.4	0.0	0.0	0.0	316.4	0.0	0.0	14.8	0.1	0.0	0.0	0.0	344.3
Oct	1253.3	0.0	0.0	0.0	1253.3	0.0	0.0	17.9	0.0	0.0	0.0	0.0	353.9
Nov	862.7	0.0	0.0	0.0	862.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	436.4
Dec	337.8	0.0	0.0	0.0	337.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	374.0
Sub-total (2023)	10084.0	0.0	0.0	0.0	10084.0	0.0	0.0	481.8	1.0	0.0	0.0	0.0	4813.3

Table F-1: Monthly Waste Flow Table for Lyric Theatre Complex

Month	Actual Quantities of Inert C&D Materials Generated Monthly							Actual Quantities of C&D Wastes Generated Monthly					
	Total Quantity Generated	Hard Rocks and Large Broken Concrete	Reused in the Contract	Reused in other Projects	Disposed as Public Fill	Disposed to Sorting Facilty	Imported Fill	Metals	Paper/ Cardboard Packaging	Plastics	Wood/ Timber	Chemical Waste	Others, e.g. General Refuse
	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)	(in ton)
2024													
Jan	256.8	0.0	0.0	0.0	256.8	0.0	0.0	11.1	0.6	0.0	0.0	0.0	448.6
Feb	321.4	0.0	0.0	0.0	321.4	0.0	0.0	9.4	0.6	0.0	0.0	0.0	263.4
Mar	1167.4	0.0	0.0	0.0	1167.4	0.0	0.0	445.3	0.2	0.0	0.0	0.0	360.9
Apr	283.5	0.0	0.0	0.0	283.5	0.0	0.0	0.0	0.2	0.0	0.0	0.0	467.1
May	534.3	0.0	0.0	0.0	534.3	0.0	0.0	16.9	0.7	0.0	0.0	0.0	376.3
Jun	175.1	0.0	0.0	0.0	175.1	0.0	0.0	73.5	0.0	0.0	0.0	0.0	339.3
Jul	1171.9	0.0	0.0	0.0	1171.9	0.0	0.0	43.6	0.0	0.0	0.0	0.0	408.4
Sub-total (2024)	3910.3	0.0	0.0	0.0	3910.3	0.0	0.0	599.7	2.2	0.0	0.0	0.0	2663.9
Total	**1012632.6**	**0.0**	**0.0**	**543635.2**	**467997.4**	**999.9**	**2301.1**	**11328.0**	**15.8**	**10.8**	**0.0**	**14.7**	**23358.1**

Note:

(1) 1462.95, 418.26 and 0 tonnes of inert C&D material were disposed of as public fill to Tseung Kwan O Area 137, Tuen Mun Area 38, and Chai Wan Public Fill Barging Point respectively in the reporting quarter.

(2) The values in the table are rounded off to 1 decimal place.

G. Cumulative Statistics on Complaints, Notifications of Summons and Successful Prosecutions

Cumulative statistics for complaints, notifications of summons and successful prosecutions for the Project account for period starting from the date of commencement of construction works to the end of the reporting quarter are summarized in **Table G-1** below.

Table G-1: Statistics for complaints, notifications of summons and successful prosecutions for Lyric Theatre Complex

Reporting Period	Cumulative Statistics		
	Complaints	**Notifications of summons**	**Successful prosecutions**
This reporting quarter (May 24 – Jul 24)	2	0	0
From 1 March 2016 to end of the reporting quarter	61	0	0

END OF PART-1

Part-2: EM&A for ELS Works for The Integrated Basement and Underground Road in Zones 2A, 2B & 2C

Piling Works and ELS Works for The Integrated Basement and Underground Road in Zones 2A, 2B & 2C

APEX TESTING & CERTIFICATION LIMITED
Unit D6A, 10/F, TML Plaza, 3 Hoi Shing Road, Tsuen Wan, N.T.
Hong Kong
Tel: (852) 39733585 Fax: (852) 30079385
Email: info@apextestcert.com

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Executive summary

This Quarterly EM&A Report presents the monitoring works conducted at Zone 2B & 2C from 1 May 2024 to 05 July 2024 and Zones 2A, 2B & 2C from 05 July 2024 to 31 July 2024. The construction works and EM&A programme for Zone 2A (Contract No.: GW/2020/05/073) was commenced on 03 October 2020 and handed over on 31 March 2023; while the construction works and EM&A programme for Zone 2B & 2C (Contract No.: CC/2020/2B/088) was commenced on 30 September 2021 and handed over on 05 July 2024. The construction works and EM&A programme for Zones 2A, 2B & 2C (Contract No.: CC/2023/2B/095) was commenced on 05 July 2024.

The impact stage EM&A programme for the Project includes air quality, noise, water quality, waste, landscape and visual monitoring. The recommended environmental mitigation measures were implemented on site and regular inspections were carried out to ensure that the environmental conditions are acceptable.

The EM&A programme was carried out by the ET in accordance with the EM&A Manual requirements. It is concluded from the environmental monitoring and audit works that adequate environmental mitigation measures have been implemented by the contractors where appropriate in the reporting quarter.

Exceedance of Action and Limit Levels

There was no breach of Action or Limit Levels for Air Quality (1-hour TSP and 24-hour TSP) and Noise in this reporting quarter.

Implementation of Mitigation Measures

Construction phase weekly site inspections were carried out to confirm the implementation measures undertaken by the Contractors in the reporting quarter. The status of implementation of mitigation measures during the reporting quarter is shown in **Appendix C**.

Landscape and visual impact inspections were conducted as part of the above-mentioned weekly site inspections during the reporting quarter. No adverse comment on landscape and visual aspects were made during these inspections.

Record of Complaints

Two environmental complaints were received during the reporting quarter.

Record of Notifications of Summons and Successful Prosecutions

No notifications of summons and successful prosecutions were recorded in the reporting quarter.

1 Introduction

1.1 Background

Apex Testing & Certification Limited (Apex) was commissioned to undertake the Environmental Team (ET) services (including environmental monitoring and audit (EM&A)) for the construction activities in Zone 2A, consisting of Foundation, Excavation and Lateral Support Works for Integrated Basement and Underground Road (Contract No.: GW/2020/05/073) ; Zone 2B & 2C consisting of Piling Works for Integrated Basement and Underground Road (Contract No.: CC/2020/2B/088); and Zones 2A, 2B & 2C consisting of Excavation and Lateral Support Works (Stages 1 & 2) for The Integrated Basement and Underground Road (Contract No.: CC/2023/2B/095) at WKCD. The construction works and EM&A programme for Zone 2A (Contract No.: GW/2020/05/073) was commenced on 03 October 2020 and handed over on 31 March 2023; while the construction works and EM&A programme for Zone 2B & 2C (Contract No.: CC/2020/2B/088) was commenced on 30 September 2021 and handed over on 05 July 2024. The construction works and EM&A programme for Zones 2A, 2B & 2C (Contract No.: CC/2023/2B/095) was commenced on 05 July 2024.

The overall works for the WKCD fall under two separate categories of Designated Project (DP) of the Environmental Impact Assessment Ordinance (EIAO), namely an “engineering feasibility study of urban development projects with a study area covering more than 20 ha or involving a total population of more than 100 000” (Item 1 of Schedule 3) and “an underpass more than 100m in length under the built areas” (Item A.9, Part I, Schedule 2). An Environmental Permit No. EP-453/2013/A (EP) was issued with respect to the “Underpass Road and Austin Road Flyover Serving the West Kowloon Cultural District” which specifically includes the abovementioned category of DP under Item A.9, Part I, Schedule 2 of the EIAO. The captioned projects include part of the abovementioned underpass road located within the site boundary falls under this same category.

The purpose of the development in Zones 2A, 2B & 2C is to reserve for Integrated Basement (IB) and Underground Road (UR). The Zone 2A (Contract No.: GW/2020/05/073) construction activities involve the foundation, excavation and lateral support (ELS) works, road works, drainage diversion works, and temporary car parking. The Zone 2B & 2C (Contract No.: CC/2020/2B/088) construction activities involve the piling works. The Zones 2A, 2B & 2C (Contract No.: CC/2023/2B/095) construction activities involve the excavation and lateral support works.

The Quarterly EM&A Report is prepared in accordance with the Clause 3.4 of the Environmental Permit No. EP-453/2013/A. This Quarterly EM&A Report presents the monitoring works at Zone 2B & 2C from 1 May 2024 to 05 July 2024 and Zones 2A, 2B & 2C from 05 July 2024 to 31 July 2024. The purpose of this report is to summarise the findings in the EM&A of the project over the reporting period.

1.2 Project Organisation

The organisation chart and lines of communication with respect to the on-site environmental management structure together with the contact information of the key personnel are shown in **Appendix A**.

1.3 Environmental Status in the Reporting Period

During the reporting period, construction works at Zone 2B & 2C (Contract No.: CC/2020/2B/088) undertaken include:

- Backfill of Testing Pipes
- Site Maintenance

During the reporting period, construction works at Zones 2A, 2B & 2C (Contract No.: CC/2023/2B/095) undertaken include:

- Ground Investigation Works

The Construction Works Programme of the Project is provided in **Appendix B**. A layout plan of the Project is provided in **Figure 1**.

2 Summary of EM&A Requirements and Mitigation Measures

2.1 Monitoring Requirements

In accordance with the EM&A Manual, environmental parameters including air quality, noise, landscape and visual have been monitored. The specific parameters, monitoring frequency and the respective Action and Limit Levels are given in **Table 2.1**. Locations of the monitoring stations are provided in **Figure 1**.

Table 2.1: Summary of Impact EM&A Requirements

Parameters	Descriptions	Locations	Frequencies	Action Level	Limit Level
Air Quality	24-Hour TSP	AM3 - The Victoria Towers Tower 1	At least once every 6 days	152.4 μg/m^3	260 μg/m^3
	1-Hour TSP	AM3 - The Victoria Towers Tower 1	At least 3 times every 6 days	280.4 μg/m^3	500 μg/m^3
	24-Hour TSP	AM4 - Canton Road Government Primary School	At least once every 6 days	152.6 μg/m^3	260 μg/m^3
	1-Hour TSP	AM4 - Canton Road Government Primary School	At least 3 times every 6 days	278.5 μg/m^3	500 μg/m^3
	24-Hour TSP	AM5 - Topside Developments at West Kowloon Terminus Site	At least once every 6 days	141.1 μg/m^3	260 μg/m^3
	1-Hour TSP	AM5 - Topside Developments at West Kowloon Terminus Site	At least 3 times every 6 days	275.4 μg/m^3	500 μg/m^3
Noise	Leq, 30 minutes	NM2 - The Arch, Sun Tower	Weekly	When one documented complaint is received from any one of the sensitive receivers	75 dB(A)
	Leq, 30 minutes	NM3 - The Victoria Towers Tower 1	Weekly	When one documented complaint is received from any one of the sensitive receivers	75 dB(A)
	Leq, 30 minutes	NM4 - Canton Road Government Primary School	Weekly	When one documented complaint is received from any one of the sensitive receivers	70/65 dB(A)^
	Leq, 30 minutes	NM5 -Development next to Austin Station	Weekly	When one documented complaint is received from any one of the sensitive receivers	75 dB(A)
Landscape & Visual	Monitor implementation of proposed mitigation measures during the construction stage	As described in Table 9.1 and 9.2 of the EM&A Manual	Bi-weekly	N/A	N/A

Note:
^70 dB(A) for schools and 65 dB(A) during school examination periods.

The EM&A programme for the Project require 5 air monitoring stations and 5 noise quality monitoring stations located closest to the Project area. With regard to the monitoring activities at M+ Museum and the Lyric Complex, three monitoring stations had been considered, including AM1, AM2 for air monitoring, and NM1 for noise monitoring. In the context of the construction activities in Zone 2A and Zone 2B & 2C, all other monitoring locations including AM3, AM4, and AM5 for air monitoring; and NM2, NM3, NM4 and NM5 for noise monitoring, have been taken into account. However, access to all these originally designated monitoring stations was declined. Therefore, alternative monitoring stations was identified and proposed.

With regard to air monitoring, alternative monitoring locations (AM3A, AM4A, and AM5A) were identified at ground floor at the Northeast corner of West Kowloon Station's station box, at ground floor at the Southeast corner of West Kowloon Station's station box, and at ground floor at the North of West Kowloon Station's station box respectively. AM3A, AM4A, and AM5A were set in same direction to the area of major construction site activities in Zone 2A. These alternative air monitoring locations (AM3A, AM4A, and AM5A) were approved by EPD on 29 September 2020.

For noise monitoring, alternative noise monitoring location (NM2A) was identified at the ground floor in front of The Arch - Sun Tower, which is at the same location as stated in the EM&A Manual for consistency. This alternative noise monitoring location was approved by EPD on 29 September 2020. Other alternative noise monitoring locations (NM3A, NM4A, and NM5A) were identified at the ground floor in front of the Xiqu Centre, at the ground floor next to Tsim Sha Tsui Fire Station, and at the Pedestrian road (ground floor) outside West Kowloon Station respectively. NM3A, NM4A and NM5A were set closer to the construction site boundary with more direct line sight to the major site activities and higher exposure to the construction noise with no disturbance to the premises' occupants during noise monitoring activities. These alternative noise monitoring locations (NM3A, NM4A, and NM5A) were approved by EPD on 29 September 2020.

Therefore, 3 air quality monitoring stations and 4 noise impact monitoring station were confirmed for the impact monitoring for construction activities in Zone 2A and Zone 2B & 2C.

2.2 Environmental Mitigation Measures

Environmental mitigation measures have been recommended in the EM&A Manual. Summary of implementation status of the environmental mitigation measures is provided in **Appendix C**.

3 Summary of EM&A Results

3.1 Monitoring Data

In accordance with the EM&A Manual, impact monitoring has been conducted in the reporting quarter. Meteorological data for the reporting quarter have been extracted from Hong Kong Observatory and presented in **Appendix D**. Monitoring data with graphical presentation for the reporting quarter are shown in **Appendix E**. A summary on the monitoring results are presented in **Table 3.1**.

Table 3.1: Summary of Monitoring Data

Parameter	Monitoring Location	Minimum	Maximum	Average
Air Quality				
1 hour TSP	AM3A	32	71	52
1 hour TSP	AM4A	32	71	52
1 hour TSP	AM5A	32	71	51
24 hour TSP	AM3A	31	62	49
24 hour TSP	AM4A	32	64	48
24 hour TSP	AM5A	32	68	49
Construction Noise				
Leq(30min)	NM2A	61	63	62
Leq(30min)	NM3A	60	61	61
Leq(30min)	NM4A	58	59	58
Leq(30min)	NM5A	63	64	63

3.2 Monitoring Exceedances

Summary of the exceedances in the reporting quarter is tabulated in **Table 3.2**.

Table 3.2: Summary of Exceedances

Monitoring Station	Parameter	No. of Exceedance		Action Taken
		Action Level	Limit Level	
Air Quality				
AM3A	1 hour TSP	0	0	N/A
	24 hour TSP	0	0	N/A
AM4A	1 hour TSP	0	0	N/A
	24 hour TSP	0	0	N/A
AM5A	1 hour TSP	0	0	N/A
	24 hour TSP	0	0	N/A
Construction Noise				
NM2A	Leq(30min)	0	0	N/A
NM3A	Leq(30min)	0	0	N/A
NM4A	Leq(30min)	0	0	N/A
NM5A	Leq(30min)	0	0	N/A

3.2.1 1-hour TSP Monitoring

All 1-hour TSP monitoring was conducted as scheduled in the reporting quarter. No Action/ Limit Level exceedance of 1-hour TSP for Air Quality was recorded.

3.2.2 24-hour TSP Monitoring

All 24-hour TSP monitoring was conducted as scheduled in the reporting quarter. No Action/ Limit Level exceedance of 24-hour TSP for Air Quality was recorded.

3.2.3 Construction Noise Monitoring

All construction noise monitoring was conducted as scheduled in the reporting quarter. No Action/ Limit Level exceedance of Noise was recorded in the reporting quarter.

3.2.4 Landscape and Visual Monitoring

All landscape and visual impact inspections were conducted as scheduled in the reporting quarter. No adverse comment on landscape and visual aspects were recorded.

4 Waste Management

4.1 Zone 2B & 2C (Contract No.: CC/2020/2B/088)

As advised by the Zone 2B & 2C Contractor, 59.86 tonnes and 0.0 tonne of inert C&D material were disposed of as public fill to Tseung Kwan O Area 137 and Tuen Mun Area 38 respectively in the reporting quarter, while 13.96 tonnes of general refuse were disposed of at SENT landfill. 0.0 tonne of metals, 0.0 tonne of paper/cardboard packaging, 0.0 tonne of plastics and 0.0 tonne of timber was collected by recycling contractors in the reporting quarter. 0.0 tonne of inert C&D material were reused on site. 0.0 tonne of inert C&D material was imported for reuse at site and 0.0 tonne of inert C&D material were reused in other projects. 0.0 tonne of inert C&D material was disposed to sorting facility and 0.0 tonne of chemical waste was collected by licensed contractors in the reporting quarter.

4.2 Zones 2A, 2B & 2C (Contract No.: CC/2023/2B/095)

As advised by the Zones 2A, 2B & 2C Contractor, 0.0 tonne and 0.0 tonne of inert C&D material were disposed of as public fill to Tseung Kwan O Area 137 and Tuen Mun Area 38 respectively in the reporting quarter, while 0.0 tonne of general refuse were disposed of at SENT landfill. 0.0 tonne of metals, 0.0 tonne of paper/cardboard packaging, 0.0 tonne of plastics and 0.0 tonne of timber was collected by recycling contractors in the reporting quarter. 0.0 tonne of inert C&D material were reused on site. 0.0 tonne of inert C&D material was imported for reuse at site and 0.0 tonne of inert C&D material were reused in other projects. 0.0 tonne of inert C&D material was disposed to sorting facility and 0.0 tonne of chemical waste was collected by licensed contractors in the reporting quarter.

The actual amounts of different types of waste generated by the activities of construction works at Zone 2B & 2C and Zones 2A, 2B & 2C in the reporting quarter are shown in **Appendix F**.

5 Environmental Non-conformance

There was no breach of Action or Limit Levels for Air Quality (1-hour TSP and 24-hour TSP) and Noise in the reporting quarter.

Two complaints were received in the reporting quarter. No notifications of summons and successful prosecutions were received in the reporting quarter.

The Contact Centre has received a recent noise complaint lodged by a member of public regarding the noise issue of M+ Cinema at around 2-3 pm on 29 June 2024 (Saturday), and referred to the WKCDA/PD on 02 July 2024. The original context of the complaint is quoted below: “I just watched yesterday's movie called "Street Fighter II: The Animated Movie", and would like to report that I heard noises that sounded like maintenance work inside the M+ Cinema. The sounds were very disturbing to the viewing of the movie. I'm pretty sure that the noise is come from outside, not the movie soundtrack. I would like to come here again, but the problem is quite annoying and really affecting the watching experience. I hope the department could face it seriously and promptly. The noise problem should not be happened in a well-established cinema. Please face up to the problem and take action, thanks.” Investigation at Zone 2A and Zone 2B & 2C site revealed that the concerned noise was not from WKCD Zone 2A and Zone 2B & 2C sites. Thereby, the complaint could not be attributable to the WKCD Zone 2A and Zone 2B & 2C sites. However, the Contractor is recommended to maintain good practice on site, and strengthen the implementation of noise mitigation measures to reduce impacts to the nearby residents.

Culture, Sports and Tourism Bureau (CSTB) received a complaint regarding water quality and waste management and referred the case on 12 July 2024. The complainant claimed that at around 12 noon on 10 July 2024, construction waste was observed at the waters near to the barge of WKCD construction sites, and suspected that the waste was generated from the barge in operation. The original complaint details are quoted below: “投訴西九文化區地盤對出海域工程躉船旁有大量垃圾，投訴人昨日 7 月 10 日約 12:00，在 M+16 樓的餐廳見下去海上，見到有 2 隻躉船進行海堤工程，而在船隻旁邊見到有大量懷疑是建築廢料浮在海面，在中港城旁邊的海域上充滿垃圾，懷疑是工程的躉船造成，要求部門派人到場處理，要求部門跟進及回覆。” Investigation at Zones 2A, 2B and 2C sites revealed that the concerned environmental impacts were unlikely to be related to construction work occurring at the Zones 2A, 2B and 2C sites. Major site construction works in Zones 2A, 2B & 2C sites have not been commenced at the time of report. The Contractor is recommended to maintain good practice on site, and strengthen the implementation of mitigation measures to reduce impacts to the nearby neighbours.

The cumulative statistics on complaints, notifications of summons and successful prosecutions were provided in **Appendix G**.

6 Comments, Recommendations and Conclusion

6.1 Comments

Based on the observations made during site audits and landscape inspections, and construction dust and noise monitoring results, no non-compliances and exceedances of air quality and construction noise were recorded in the reporting quarter.

6.2 Recommendations

Reviewing the implementation of the recommended mitigation measures in the EM&A Manual, it was observed that they were effective and efficient in controlling the potential impacts due to construction of the project during the reporting period. Review of the effectiveness and efficiency of the EM&A programme will continue, and recommendations will be provided to remediate any potential impacts due to the project and to improve the EM&A programme if deficiencies of the existing EM&A programme are identified.

6.3 Conclusion

The EM&A programme as recommended in the EM&A Manual has been undertaken. The construction works and EM&A programme for Zone 2A (Contract No.: GW/2020/05/073) was commenced on 03 October 2020 and handed over on 31 March 2023; while the construction works and EM&A programme for Zone 2B & 2C (Contract No.: CC/2020/2B/088) was commenced on 30 September 2021 and handed over on 05 July 2024. The construction works and EM&A programme for Zones 2A, 2B & 2C (Contract No.: CC/2023/2B/095) was commenced on 05 July 2024.

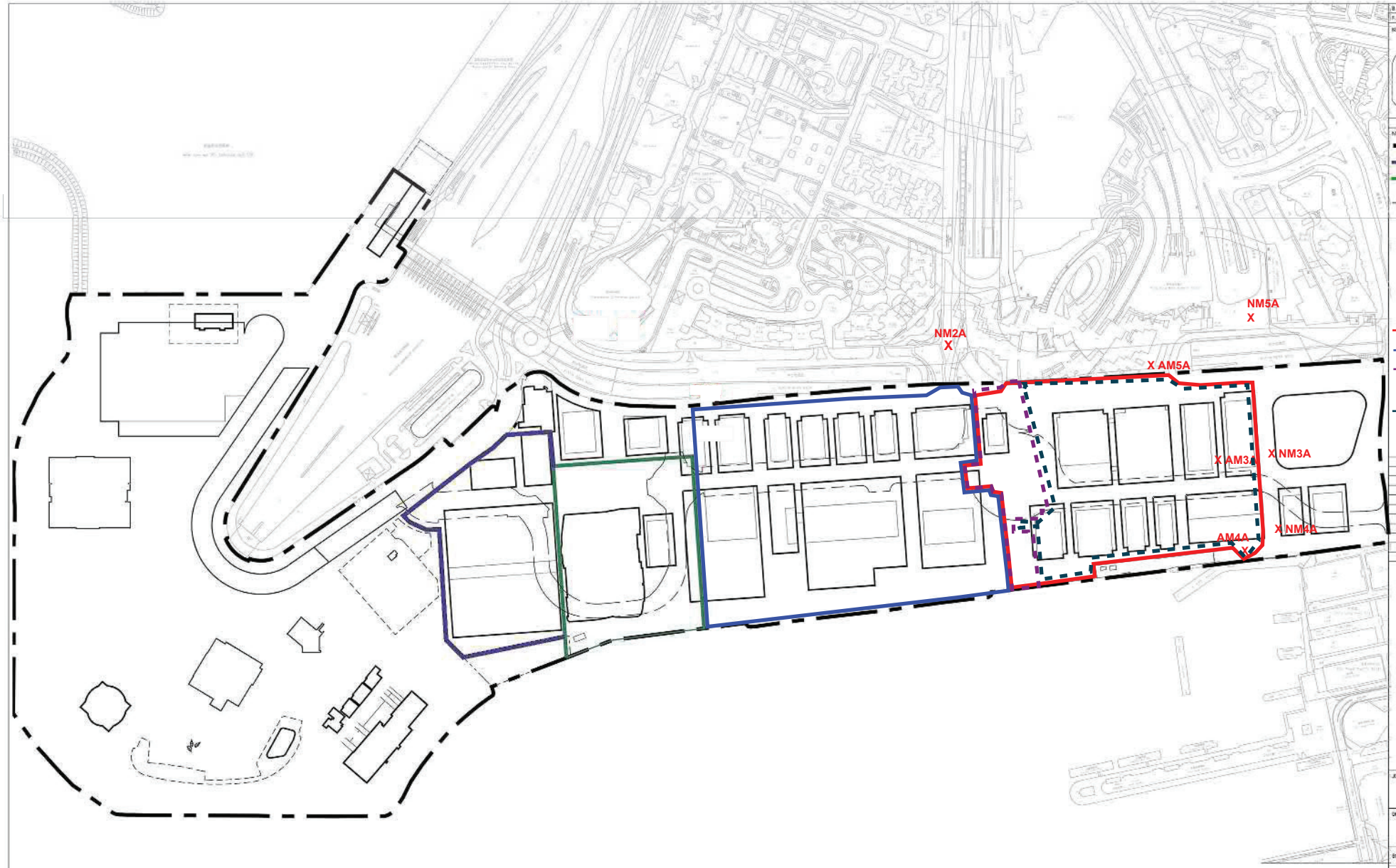
Monitoring of air quality and noise with respect to the Project is underway. In particular, the 1-hour TSP, 24-hour TSP and noise level (as Leq, 30 minutes) under monitoring have been checked against established Action and Limit Levels. There was no breach of Action or Limit Levels for Air Quality (1-hour TSP and 24-hour TSP) and Noise in this reporting quarter.

Two complaints were received in the reporting quarter. No notifications of summons and successful prosecutions were received during the reporting quarter.

Weekly construction phase site inspections and bi-weekly landscape and visual impact inspections were conducted during the reporting quarter as required. It was observed that the Contractor had implemented all possible and feasible mitigation measures to mitigate the potential environmental impacts during construction phase works.

Figure 1 Site Layout Plan and Monitoring Stations

Zone 2B & 2C (Contract No.: CC/2020/2B/088)



B.D. REF:

R.S.D. REF:

KEY PLAN

KEY PLAN

NOTES:

WKCD BOUNDARY

M+ MUSEUM BOUNDARY

LYRIC THEATRE BOUNDARY

BOUNDARY OF UNDERPASS ROAD SERVING THE PLANNED WKCD

X CONSTRUCTION AIR/NOISE MONITORING STATION

REMARKS:
THE AIR MONITORING STATION AM2A HAS BEEN RELOCATED TO THE ALTERNATIVE MONITORING STATION AM2B AT 1ST FLOOR OF GAMMON'S SITE OFFICE ON 26 FEBRUARY 2019.

Zone 2A Boundary

Zone 2B & 2C Boundary

Under Management by Zone 2B & 2C Contractor Starting from 20 Dec 2022

No Construction Work and Only Maintenance Work is Carried Out by Zone 2B & 2C Contractor Starting from 01 April 2023

REV.	DATE	DESCRIPTION	INITIAL

JOB TITLE: **DEVELOPMENT AT WEST KOWLOON CULTURAL DISTRICT**

DRAWING TITLE: **SITE LAYOUT PLAN AND MONITORING STATIONS**

SCALE	1:100	PRINTED	A1
CHECKED		DATE	
APPROVED		DATE	
DRAWN	TY	DATE	05-05-2015

CONTRACT NO.: -

DRAWING NO.: **FIGURE 1**

REV.: XX

CAD REF NAME: XXXXX-AUT-PMS DWG-P60-L080-0080-XXX.dwg

AUTHORITY

westKowloon
西九文化區

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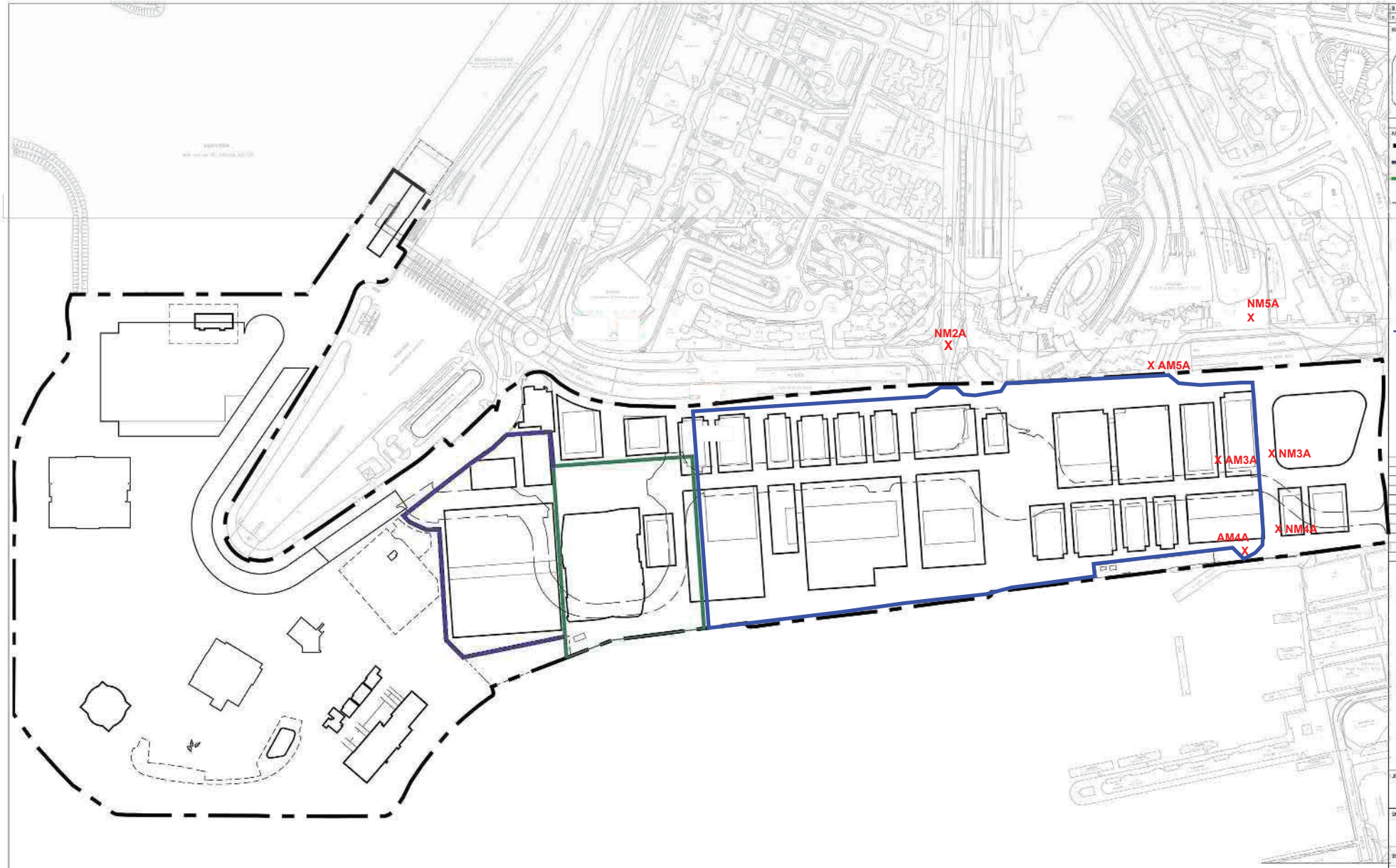
Zones 2A, 2B & 2C (Contract No.: CC/2023/2B/095)



B.D. REF:

H.S.D. REF:

KEY PLAN

KEY PLAN

NOTES:

WKCD BOUNDARY

M+ MUSEUM BOUNDARY

LYRIC THEATRE BOUNDARY

BOUNDARY OF UNDERPASS ROAD SERVING THE PLANNED WKCD

X CONSTRUCTION AIR/NOISE MONITORING STATION

REMARKS:
THE AIR MONITORING STATION AM2A HAS BEEN RELOCATED TO THE ALTERNATIVE MONITORING STATION AM2B AT 1ST FLOOR OF GAMMON'S SITE OFFICE ON 26 FEBRUARY 2019.

Zones 2A, 2B & 2C Boundary (Contract No.: CC/2023/2B/095)

REV.	DATE	DESCRIPTION	INITIAL

JOB TITLE: **DEVELOPMENT AT WEST KOWLOON CULTURAL DISTRICT**

DRAWING TITLE: **SITE LAYOUT PLAN AND MONITORING STATIONS**

SCALE:	1:100	PRINTED:	A1
CHECKED:		DATE:	
APPROVED:		DATE:	
DRAWN:	TY	DATE:	16-05-2025

CONTRACT NO.: -

DRAWING NO.: **FIGURE 1**

REV.: XX

CAD REF NAME: XXXXX-AUT-PNS DWG P60-L080-0080-XXX.dwg

AUTHORITY:

westKowloon
西九文化區

A1 (841mm x 594mm) Sheet Size

Appendices

A. Project Organisation
B. Construction Programme
C. Environmental Mitigation Measures – Implementation Status
D. Meteorological Data Extracted from Hong Kong Observatory
E. Graphical Plots of the Monitoring Results
F. Waste Flow table
G. Cumulative Statistics on Complaints, Notifications of Summons and Successful Prosecutions

A. Project Organisation

Project Organization

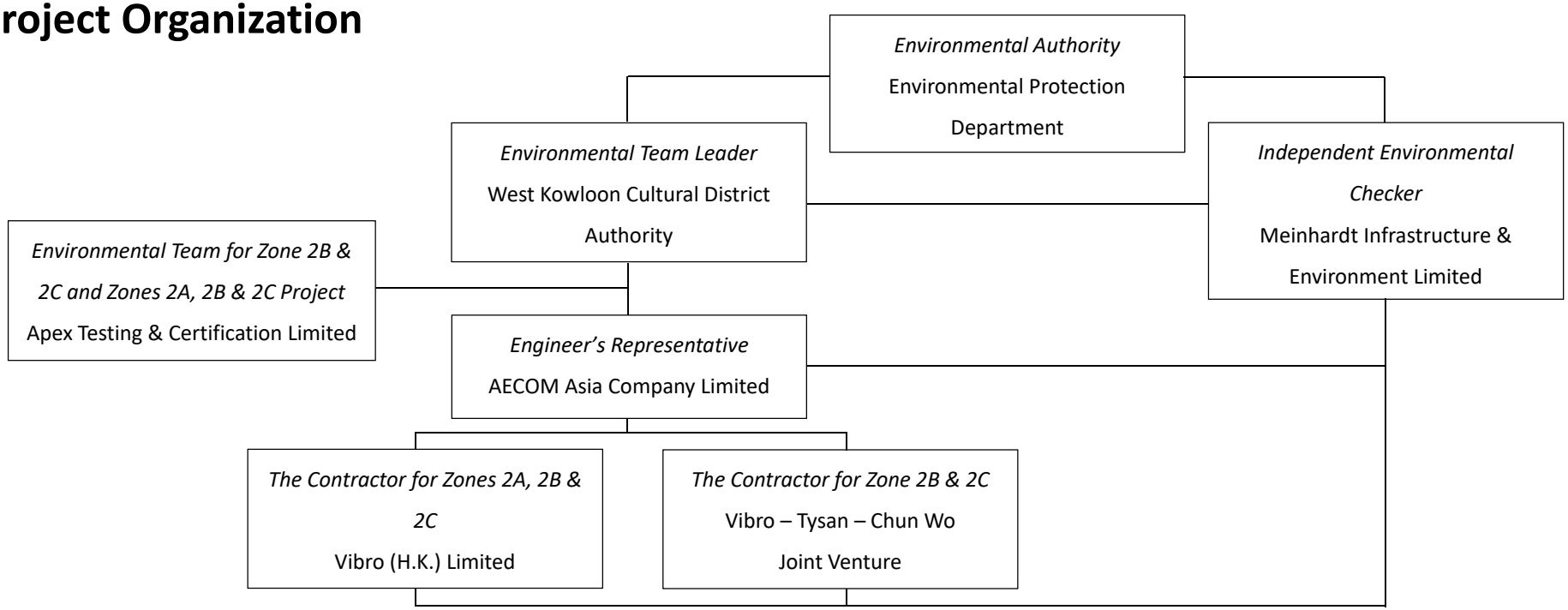


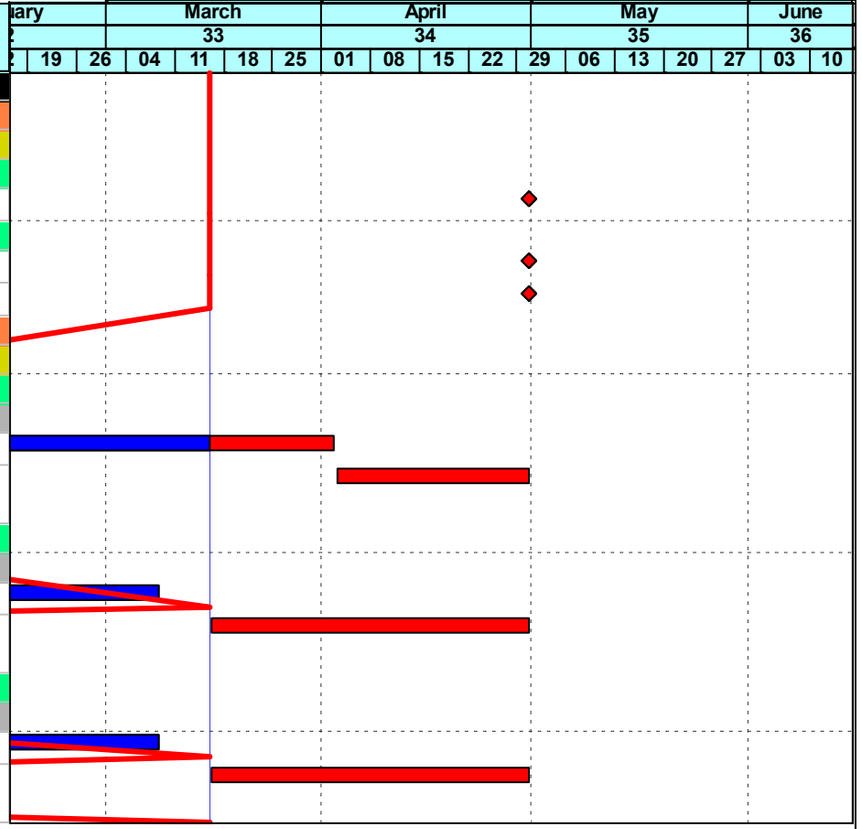
Table A-1: Contract Information

Company Name	Role	Name	Telephone	Email
West Kowloon Cultural District Authority	WKCDA Representative & Project ETL	Mr. Max LEE	2200 0782	max.sl.lee@wkcda.hk
Meinhardt Infrastructure & Environment Limited	Independent Environmental Checker	Ms. Claudine LEE	2859 5409	caludinelee@meinhardt.com.hk
AECOM Asia Company Limited	Assistant Resident Engineer (Zones 2A, 2B & 2C)	Mr. Laurence WONG	5791 8711	cheuklunlaurence.wong@aecom.com
Vibro (H.K.) Limited	Environmental Sustainability Manager	Mr. Tony YAM	2137 5586	tony_yam@vibro.com.hk
Vibro – Tysan – Chun Wo Joint Venture	Environmental Sustainability Manager	Mr. Tony YAM	2137 5586	tony_yam@vibro.com.hk
Apex Testing & Certification Limited	Contractor's Environmental Team Leader	Mr. Calvin LUI	9629 9718	calvinlui@apextestcert.com

B. Construction Programme

Zone 2B & 2C (Contract No.: CC/2020/2B/088)

Activity ID	Activity Name	Baseline Start	Baseline Finish	Dur	Forecast / Actual Start	Forecast / Actual Finsih	Total Float
Piling for Integrated Basement and U/G Road in Zone 2B & 2C							
Contract Dates							
Key Dates							
KD for Zone 2B							
KD07	KD07 (Section 3) - 30 Sep 2023		13-Dec-23	0		30-Apr-24*	-213
KD for Zone 2C							
KD08	KD08 (Section 4) - 23 May 2023		13-Aug-23	0		30-Apr-24*	-343
KD09	KD09 (Section 5) - 12 Jun 2023		14-Oct-23	0		30-Apr-24*	-323
Construction Stage							
Pile Test							
KD07 (Section 3) (incl. BP for KD03) (Stage 3-1)							
BP							
KD07.TS.1060	Full Core to Proof Drill	02-Nov-23	15-Nov-23	72	22-Jan-24 A	02-Apr-24	-213
KD07.TS.1080	Obtain BA14 Acknowledgement / Satisfaction of CA, Completion As-built Drawings, Reports & Records	16-Nov-23	13-Dec-23	28	03-Apr-24	30-Apr-24	-213
KD08 (Section 4) (incl. BP for KD04 (Stage 4-1) & SSHP in KD09 (Section 5))							
BP							
KD08.TS.1060	Full Core to Proof Drill	03-Jul-23	16-Jul-23	106	24-Nov-23 A	08-Mar-24 A	
KD08.TS.1080	Obtain BA14 Acknowledgement / Satisfaction of CA, Completion As-built Drawings, Reports & Records	17-Jul-23	13-Aug-23	46	16-Mar-24	30-Apr-24	-343
KD09 (Section 5) (incl. BP for KD02 (Stage 5-1))							
BP							
KD09.TS.1060	Full Core to Proof Drill	03-Sep-23	16-Sep-23	59	10-Jan-24 A	08-Mar-24 A	
KD09.TS.1080	Obtain BA14 Acknowledgement / Satisfaction of CA, Completion As-built Drawings, Reports & Records	17-Sep-23	14-Oct-23	46	16-Mar-24	30-Apr-24	-323



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Page 1 of 1

Planned
Critical
Actual
Planned MS
Critical MS
Actual MS

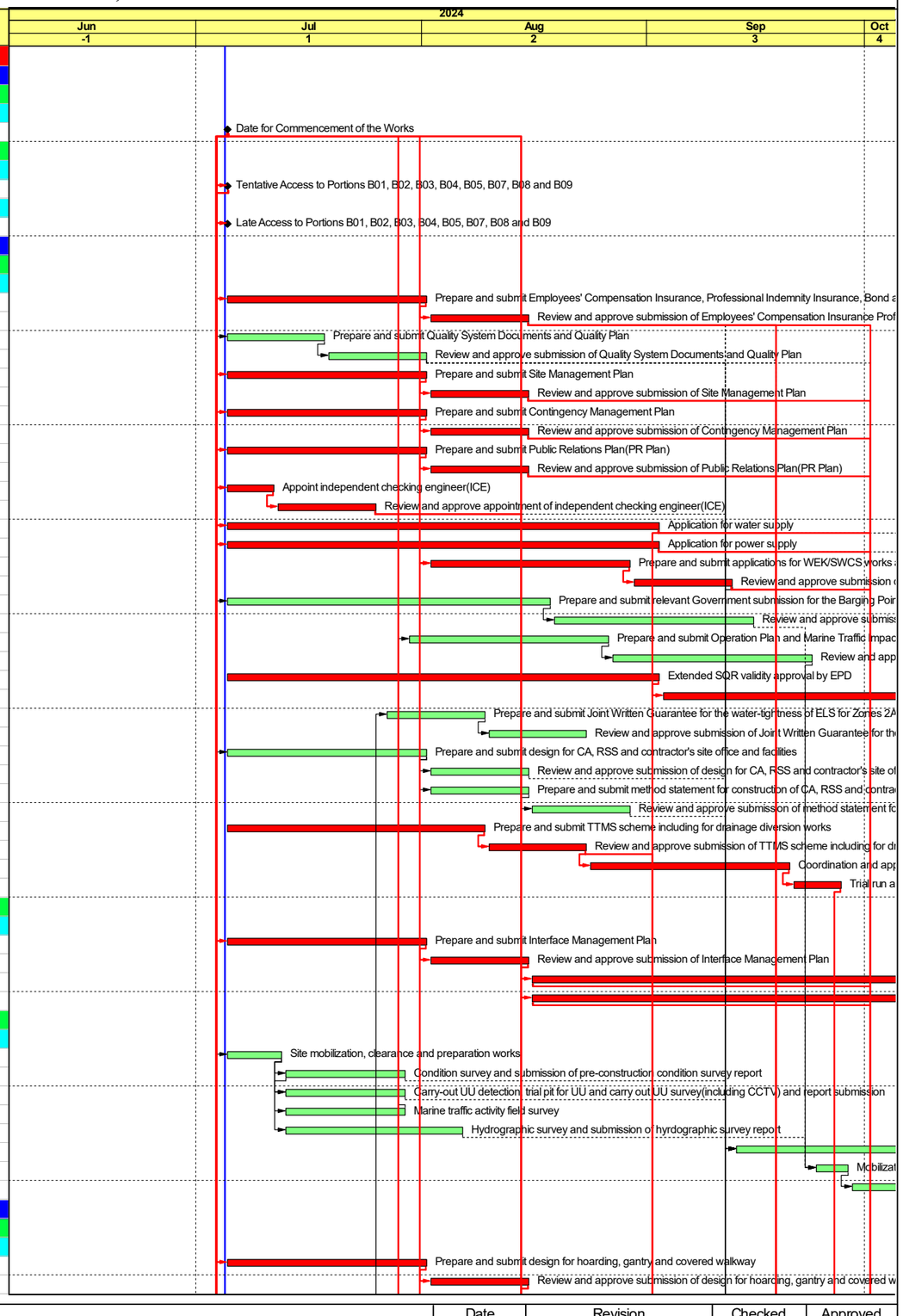
West Kowloon Cultural District Authority
Piling for Integrated Basement and U/G Road in Zone 2B 2C
3 Month Rolling Programme as of 15 March 2024
Based on CMWP Rev.0 (3rd Draft)

Date	Revision	Checked	Approved
04-Mar-22	R0	KL	B
02-Dec-22	R03D	KL	C

Zones 2A, 2B & 2C (Contract No.: CC/2023/2B/095)

ELS Works (Stages 1 & 2) for Integrated Basement and Underground Road in Zones 2A, 2B and 2C of West Kowloon Cultrural District

Activity ID	Activity Name	Original Duration	Planned Start	Planned Finish	% Complete	Total Float
ELS Works (Stages 1 & 2) for IBUR in Zones 2A, 2B and 2C of the West Kowloon Cultural District		342	05-Jul-24	11-Jun-25		572
Contract Dates		0	05-Jul-24	05-Jul-24		0
Key Dates		0	05-Jul-24	05-Jul-24		0
Project Commencement and Completion Date		0	05-Jul-24	05-Jul-24		0
WKCDA-#PD-01000	Date for Commencement of the Works	0	05-Jul-24*		0%	0
Access Dates		0	05-Jul-24	05-Jul-24		0
Tentative Access Date		0	05-Jul-24	05-Jul-24		0
WKCDA-#AD-01000	Tentative Access to Portions B01, B02, B03, B04, B05, B07, B08 and B09	0	05-Jul-24*		0%	0
Late Access Date		0	05-Jul-24	05-Jul-24		0
WKCDA-#AD-02000	Late Access to Portions B01, B02, B03, B04, B05, B07, B08 and B09	0	05-Jul-24*		0%	0
Cost Center A & L - Preliminaries, General Requirements and Compliance Review		342	05-Jul-24	11-Jun-25		512
General Submission		120	05-Jul-24	01-Nov-24		614
Submission and Approval		120	05-Jul-24	01-Nov-24		614
WKCDA-A-SUB-01000	Prepare and submit Employees' Compensation Insurance, Professional Indemnity Insurance, Bond and Other Insurances	28	05-Jul-24	01-Aug-24	0%	139
WKCDA-A-SUB-01020	Review and approve submission of Employees' Compensation Insurance Professional Indemnity Insurance and Bond	14	02-Aug-24	15-Aug-24	0%	139
WKCDA-A-SUB-01040	Prepare and submit Quality System Documents and Quality Plan	14	05-Jul-24	18-Jul-24	0%	153
WKCDA-A-SUB-01060	Review and approve submission of Quality System Documents and Quality Plan	14	19-Jul-24	01-Aug-24	0%	153
WKCDA-A-SUB-01080	Prepare and submit Site Management Plan	28	05-Jul-24	01-Aug-24	0%	139
WKCDA-A-SUB-01100	Review and approve submission of Site Management Plan	14	02-Aug-24	15-Aug-24	0%	139
WKCDA-A-SUB-01120	Prepare and submit Contingency Management Plan	28	05-Jul-24	01-Aug-24	0%	139
WKCDA-A-SUB-01140	Review and approve submission of Contingency Management Plan	14	02-Aug-24	15-Aug-24	0%	139
WKCDA-A-SUB-01160	Prepare and submit Public Relations Plan(PR Plan)	28	05-Jul-24	01-Aug-24	0%	139
WKCDA-A-SUB-01180	Review and approve submission of Public Relations Plan(PR Plan)	14	02-Aug-24	15-Aug-24	0%	139
WKCDA-A-SUB-01200	Appoint independent checking engineer(ICE)	7	05-Jul-24	11-Jul-24	0%	125
WKCDA-A-SUB-01220	Review and approve appointment of independent checking engineer(ICE)	14	12-Jul-24	25-Jul-24	0%	125
WKCDA-A-SUB-01240	Application for water supply	60	05-Jul-24	02-Sep-24	0%	97
WKCDA-A-SUB-01260	Application for power supply	60	05-Jul-24	02-Sep-24	0%	121
WKCDA-A-SUB-01280	Prepare and submit applications for WEK/SWCS works approval to SSCC, STIC and EDoc to MTRCL	28	02-Aug-24	29-Aug-24	0%	111
WKCDA-A-SUB-01300	Review and approve submission of applications for WEK/SWCS works approval to SSCC, STIC and EDoc by MTRCL	14	30-Aug-24	12-Sep-24	0%	111
WKCDA-A-SUB-01320	Prepare and submit relevant Government submission for the Barging Point to the Relevant Authorities	45	05-Jul-24	18-Aug-24	0%	238
WKCDA-A-SUB-01340	Review and approve submission of relevant Government submission for the Barging Point to the Relevant Authorities	28	19-Aug-24	15-Sep-24	0%	238
WKCDA-A-SUB-01360	Prepare and submit Operation Plan and Marine Traffic Impact Assessment	28	30-Jul-24	26-Aug-24	0%	230
WKCDA-A-SUB-01380	Review and approve submission of Operation Plan and Marine Traffic Impact Assessment by CA and Relevant Authorities	28	27-Aug-24	23-Sep-24	0%	230
WKCDA-A-SUB-01400	Extended SQR validity approval by EPD	60	05-Jul-24	02-Sep-24	0%	134
WKCDA-A-SUB-01420	New allocation site sediment disposal space by CEDD Marine Fill Committee	60	03-Sep-24	01-Nov-24	0%	134
WKCDA-A-SUB-01460	Prepare and submit Joint Written Guarantee for the water-tightness of ELS for Zones 2A-1 and 2A-2-1	14	27-Jul-24	09-Aug-24	0%	294
WKCDA-A-SUB-01480	Review and approve submission of Joint Written Guarantee for the water-tightness of ELS for Zones 2A-1 and 2A-2-1	14	10-Aug-24	23-Aug-24	0%	294
WKCDA-A-SUB-01500	Prepare and submit design for CA, RSS and contractor's site office and facilities	28	05-Jul-24	01-Aug-24	0%	678
WKCDA-A-SUB-01520	Review and approve submission of design for CA, RSS and contractor's site office and facilities	14	02-Aug-24	15-Aug-24	0%	692
WKCDA-A-SUB-01540	Prepare and submit method statement for construction of CA, RSS and contractor's site office and facilities	14	02-Aug-24	15-Aug-24	0%	678
WKCDA-A-SUB-01560	Review and approve submission of method statement for construction of CA,RSS and contractor's site office and facilities	14	16-Aug-24	29-Aug-24	0%	678
WKCDA-A-SUB-01580	Prepare and submit TTMS scheme including for drainage diversion works	36	05-Jul-24	09-Aug-24	0%	90
WKCDA-A-SUB-01600	Review and approve submission of TTMS scheme including for drainage diversion works	14	10-Aug-24	23-Aug-24	0%	90
WKCDA-A-SUB-01620	Coordination and approval of TTMS scheme with TMLG	28	24-Aug-24	20-Sep-24	0%	90
WKCDA-A-SUB-01640	Trial run and implementation of TTMS scheme	7	21-Sep-24	27-Sep-24	0%	90
Coordination		342	05-Jul-24	11-Jun-25		146
Interface Contractors and Other Project Contractors		342	05-Jul-24	11-Jun-25		146
WKCDA-A-CIC-01000	Prepare and submit Interface Management Plan	28	05-Jul-24	01-Aug-24	0%	146
WKCDA-A-CIC-01020	Review and approve submission of Interface Management Plan	14	02-Aug-24	15-Aug-24	0%	146
WKCDA-A-CIC-01040	Coordination with Contract no.CC/2017/3A/030 and CC/2017/3A/031	180	16-Aug-24	11-Feb-25	0%	146
WKCDA-A-CIC-01060	Coordination with MTRCL, other Project Contractors and Future PIW Works Contractor	300	16-Aug-24	11-Jun-25	0%	146
Construction		194	05-Jul-24	14-Jan-25		660
Preliminaries, Site Accommodation and Facilities		194	05-Jul-24	14-Jan-25		660
WKCDA-A-MOB-01000	Site mobilization, clearance and preparation works	7	05-Jul-24	12-Jul-24	0%	188
WKCDA-A-MOB-01020	Condition survey and submission of pre-construction condition survey report	14	13-Jul-24	29-Jul-24	0%	574
WKCDA-A-MOB-01040	Carry-out UU detection, trial pit for UU and carry out UU survey(including CCTV) and report submission	14	13-Jul-24	29-Jul-24	0%	574
WKCDA-A-MOB-01060	Marine traffic activity field survey	14	13-Jul-24	29-Jul-24	0%	188
WKCDA-A-MOB-01080	Hydrographic survey and submission of hyrdographic survey report	21	13-Jul-24	06-Aug-24	0%	223
WKCDA-A-MOB-01100	Mobilization and construction of CA, RSS and contractor's site office and facilities and T&C	100	13-Sep-24	14-Jan-25	0%	535
WKCDA-A-MOB-01140	Mobilization of plant and equipments for construction of barging point and preparation works	5	24-Sep-24	28-Sep-24	0%	183
WKCDA-A-MOB-01160	Construction of barging point, inspection and ready for operation	20	29-Sep-24	18-Oct-24	0%	230
Cost Center B & I - General, Hoarding and Monitoring Works		249	05-Jul-24	10-Mar-25		665
General Submission		77	05-Jul-24	19-Sep-24		104
Submission and Approval		77	05-Jul-24	19-Sep-24		104
WKCDA-B-SUB-01000	Prepare and submit design for hoarding, gantry and covered walkway	28	05-Jul-24	01-Aug-24	0%	104
WKCDA-B-SUB-01020	Review and approve submission of design for hoarding, gantry and covered walkway	14	02-Aug-24	15-Aug-24	0%	104



Non-critical Activities

Critical Activities

◆ ◆ Milestone

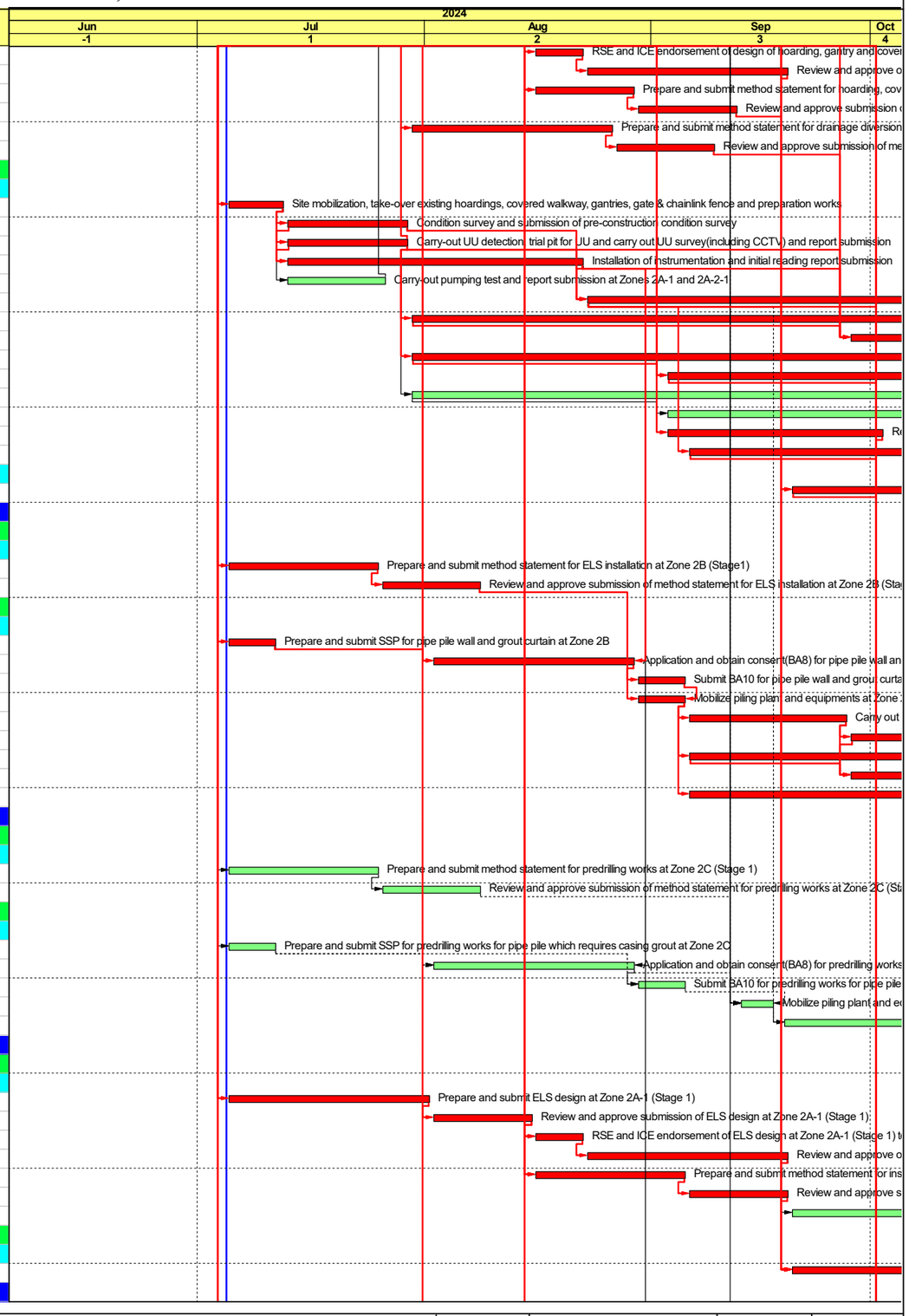
CC/2023/2B/095

Three Month Rolling Programme

Date	Revision	Checked	Approved
12-Jul-24	Rev.0	NF	CK

ELS Works (Stages 1 & 2) for Integrated Basement and Underground Road in Zones 2A, 2B and 2C of West Kowloon Cultrural District

Activity ID	Activity Name	Original Duration	Planned Start	Planned Finish	% Complete	Total Float
WKCDA-B-SUB-01040	RSE and ICE endorsement of design of hoarding, gantry and covered walkway to BD	7	16-Aug-24	22-Aug-24	0%	104
WKCDA-B-SUB-01060	Review and approve of design for hoarding, gantry and covered walkway by BD	28	23-Aug-24	19-Sep-24	0%	104
WKCDA-B-SUB-01080	Prepare and submit method statement for hoarding, covered walkway and grantries modification	14	16-Aug-24	29-Aug-24	0%	111
WKCDA-B-SUB-01100	Review and approve submission of method statement for hoarding, covered walkway and grantries modification	14	30-Aug-24	12-Sep-24	0%	111
WKCDA-B-SUB-01120	Prepare and submit method statement for drainage diversion works at Zone 2AAustin Road West	28	30-Jul-24	26-Aug-24	0%	108
WKCDA-B-SUB-01140	Review and approve submission of method statement for for drainage diversion works at Zone 2AAustin Road West	14	27-Aug-24	09-Sep-24	0%	108
Construction		204	05-Jul-24	10-Mar-25		539
General and Monitoring Works		204	05-Jul-24	10-Mar-25		539
WKCDA-B-MOB-01000	Site mobilization, take-over existing hoardings, covered walkway, gantries, gate & chainlink fence and preparation works	7	05-Jul-24	12-Jul-24	0%	0
WKCDA-B-MOB-01020	Condition survey and submission of pre-construction condition survey	14	13-Jul-24	29-Jul-24	0%	0
WKCDA-B-MOB-01040	Carry-out UU detection, trial pit for UU and carry out UU survey(including CCTV) and report submission	14	13-Jul-24	29-Jul-24	0%	0
WKCDA-B-MOB-01060	Installation of instrumentation and initial reading report submission	35	13-Jul-24	22-Aug-24	0%	0
WKCDA-B-MOB-01080	Carry-out pumping test and report submission at Zones 2A-1 and 2A-2-1	12	13-Jul-24	26-Jul-24	0%	237
WKCDA-B-MOB-01100	Site clearance, break up and removal of existing road pavement and associated drainage, light posts, signages, etc.	36	23-Aug-24	05-Oct-24	0%	86
WKCDA-B-MOB-01120	Coordination with relevant authorities for drainage diversion	150	30-Jul-24	27-Jan-25	0%	82
WKCDA-B-MOB-01140	Carry-out drainage diversion works, T&C and backfilling works at Zone 2AAustin Road West	132	28-Sep-24	10-Mar-25	0%	73
WKCDA-B-MOB-01160	Coordination with highways department(HyD)	75	30-Jul-24	28-Oct-24	0%	104
WKCDA-B-MOB-01180	Relocation of existing light post at Zone 2A East gantry	60	03-Sep-24	14-Nov-24	0%	104
WKCDA-B-MOB-01200	Coordination with WSD and MTRC	75	30-Jul-24	28-Oct-24	0%	617
WKCDA-B-MOB-01220	Carry-out FW107 diversion works including T&C and inspection, waterproofing, movement joint and steel plate	75	03-Sep-24	02-Dec-24	0%	617
WKCDA-B-MOB-01240	Relocation of check water meter cabinet at Zone 2A East gantry	24	03-Sep-24	02-Oct-24	0%	80
WKCDA-B-MOB-01260	Demolition for existing road barrier, road sign and chainlink fence at Zone 2A East gantry	36	06-Sep-24	21-Oct-24	0%	101
Hoarding and Gantry		48	20-Sep-24	16-Nov-24		84
WKCDA-B-MOB-01300	Hoarding, covered walkway, gantries and waterbarriers modification including graphic and steel boards(Partial)	48	20-Sep-24	16-Nov-24	0%	84
Cost Center C - Excavation and Lateral Support Works for Zone 2B (Stage 1)		280	05-Jul-24	10-Apr-25		49
General Submission		35	05-Jul-24	08-Aug-24		21
Submission and Approval		35	05-Jul-24	08-Aug-24		21
WKCDA-C-SUB-01080	Prepare and submit method statement for ELS installation at Zone 2B (Stage1)	21	05-Jul-24	25-Jul-24	0%	21
WKCDA-C-SUB-01100	Review and approve submission of method statement for ELS installation at Zone 2B (Stage1)	14	26-Jul-24	08-Aug-24	0%	21
Construction		280	05-Jul-24	10-Apr-25		49
Pipe Pile Wall and Grout Curtain		280	05-Jul-24	10-Apr-25		49
WKCDA-C-CON-01000	Prepare and submit SSP for pipe pile wall and grout curtain at Zone 2B	7	05-Jul-24	11-Jul-24	0%	21
WKCDA-C-CON-01020	Application and obtain consent(BA8) for pipe pile wall and grout curtain at Zone 2B	28	02-Aug-24	29-Aug-24	0%	0
WKCDA-C-CON-01040	Submit BA10 for pipe pile wall and grout curtain at Zone 2B	7	30-Aug-24	05-Sep-24	0%	0
WKCDA-C-CON-01060	Mobilize piling plant and equipments at Zone 2B	6	30-Aug-24	05-Sep-24	0%	0
WKCDA-C-CON-01080	Carry out predrilling works at Zone 2B for pipe pile which requires casing grout(Total=13nos, 4days/hole/rig; 3rigs)	18	06-Sep-24	27-Sep-24	0%	0
WKCDA-C-CON-01100	Predrilling works report submission	7	28-Sep-24	07-Oct-24	0%	0
WKCDA-C-CON-01120	Installation of PPW with no casing grout at Zone 2B(PPB-83toPPB-342)(PP-01toPP-257)(Total=517nos, 1no/day/rig, 4rigs)	130	06-Sep-24	14-Feb-25	0%	0
WKCDA-C-CON-01140	Carry-out grout curtain works at Zone 2B(PPB-83toPPB-342)(PP-01toPP-257)(5rigs)	120	28-Sep-24	24-Feb-25	0%	0
WKCDA-C-CON-01200	Installation of king post at Zone 2B(Total=467nos, 3days/pile/rig, 8rigs)	176	06-Sep-24	10-Apr-25	0%	37
Cost Center D - Excavation and Lateral Support Works for Zone 2C (Stage 1)		120	05-Jul-24	01-Nov-24		235
General Submission		35	05-Jul-24	08-Aug-24		272
Submission and Approval		35	05-Jul-24	08-Aug-24		272
WKCDA-D-SUB-01000	Prepare and submit method statement for predrilling works at Zone 2C (Stage 1)	21	05-Jul-24	25-Jul-24	0%	272
WKCDA-D-SUB-01020	Review and approve submission of method statement for predrilling works at Zone 2C (Stage 1)	14	26-Jul-24	08-Aug-24	0%	272
Construction		120	05-Jul-24	01-Nov-24		235
Pipe Pile Wall and Grout Curtain		120	05-Jul-24	01-Nov-24		235
WKCDA-D-CON-01000	Prepare and submit SSP for predrilling works for pipe pile which requires casing grout at Zone 2C	7	05-Jul-24	11-Jul-24	0%	270
WKCDA-D-CON-01020	Application and obtain consent(BA8) for predrilling works for pipe pile which requires casing grout at Zone 2C	28	02-Aug-24	29-Aug-24	0%	249
WKCDA-D-CON-01040	Submit BA10 for predrilling works for pipe pile which requires casing grout at Zone 2C	7	30-Aug-24	05-Sep-24	0%	249
WKCDA-D-CON-01060	Mobilize piling plant and equipments at Zone 2C	4	13-Sep-24	17-Sep-24	0%	188
WKCDA-D-CON-01080	Carry out predrilling works at Zone 2C for pipe pile which requires casing grout(Total=35nos, 4days/hole/rig; 4rigs)	36	19-Sep-24	01-Nov-24	0%	188
Cost Center F - Excavation and Lateral Support Works for Zone 2A-1 (Stage 2)		321	05-Jul-24	21-May-25		100
General Submission		105	05-Jul-24	17-Oct-24		263
Submission and Approval		105	05-Jul-24	17-Oct-24		263
WKCDA-F-SUB-01000	Prepare and submit ELS design at Zone 2A-1 (Stage 1)	28	05-Jul-24	01-Aug-24	0%	104
WKCDA-F-SUB-01020	Review and approve submission of ELS design at Zone 2A-1 (Stage 1)	14	02-Aug-24	15-Aug-24	0%	104
WKCDA-F-SUB-01040	RSE and ICE endorsement of ELS design at Zone 2A-1 (Stage 1) to BD	7	16-Aug-24	22-Aug-24	0%	104
WKCDA-F-SUB-01060	Review and approve of ELS design at Zone 2A-1 (Stage 1) by BD	28	23-Aug-24	19-Sep-24	0%	104
WKCDA-F-SUB-01080	Prepare and submit method statement for installation of king post at Zone 2A-1 (Stage 1)	21	16-Aug-24	05-Sep-24	0%	104
WKCDA-F-SUB-01100	Review and approve submission of method statement for installation of king post at Zone 2A-1 (Stage 1)	14	06-Sep-24	19-Sep-24	0%	104
WKCDA-F-SUB-02000	Prepare and submit ELS design at Zone 2A-1 (Stage 2)	28	20-Sep-24	17-Oct-24	0%	263
Construction		195	20-Sep-24	21-May-25		84
King Post		195	20-Sep-24	21-May-25		84
WKCDA-F-CON-01000	Installation of king post at Zone 2A-1(Total=158nos, 3days/pile/rig, 2-3rigs)	195	20-Sep-24	21-May-25	0%	84
Cost Center G - Excavation and Lateral Support Works for Zone 2A-2-1 (Stage 2)		182	05-Jul-24	02-Jan-25		98



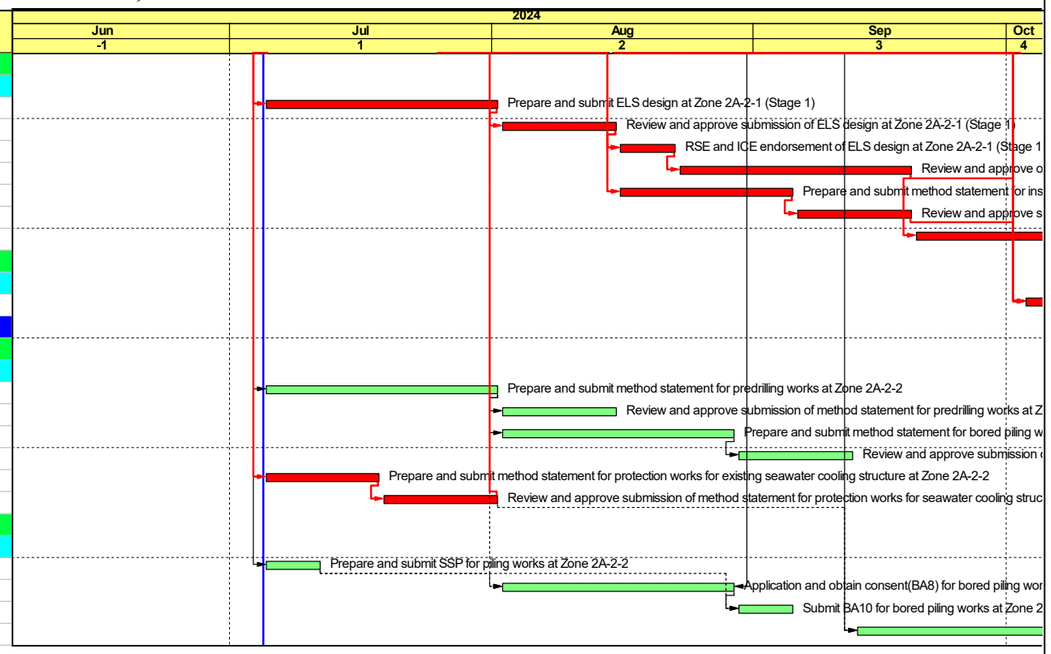
Non-critical Activities
Critical Activities
Milestone

CC/2023/2B/095
Three Month Rolling Programme

Date	Revision	Checked	Approved
12-Jul-24	Rev.0	NF	CK

ELS Works (Stages 1 & 2) for Integrated Basement and Underground Road in Zones 2A, 2B and 2C of West Kowloon Cultrural District

Activity ID	Activity Name	Original Duration	Planned Start	Planned Finish	% Complete	Total Float
General Submission		105	05-Jul-24	17-Oct-24		122
Submission and Approval		105	05-Jul-24	17-Oct-24		122
WKCDA-G-SUB-01000	Prepare and submit ELS design at Zone 2A-2-1 (Stage 1)	28	05-Jul-24	01-Aug-24	0%	111
WKCDA-G-SUB-01020	Review and approve submission of ELS design at Zone 2A-2-1 (Stage 1)	14	02-Aug-24	15-Aug-24	0%	111
WKCDA-G-SUB-01040	RSE and ICE endorsement of ELS design at Zone 2A-2-1 (Stage 1) to BD	7	16-Aug-24	22-Aug-24	0%	111
WKCDA-G-SUB-01060	Review and approve of ELS design at Zone 2A-2-1 (Stage 1) by BD	28	23-Aug-24	19-Sep-24	0%	111
WKCDA-G-SUB-01080	Prepare and submit method statement for installation of king post at Zone 2A-2-1 (Stage 1)	21	16-Aug-24	05-Sep-24	0%	111
WKCDA-G-SUB-01100	Review and approve submission of method statement for installation of king post at Zone 2A-2-1 (Stage 1)	14	06-Sep-24	19-Sep-24	0%	111
WKCDA-G-SUB-02000	Prepare and submit ELS design at Zone 2A-2-1 (Stage 2)	28	20-Sep-24	17-Oct-24	0%	122
Construction		75	03-Oct-24	02-Jan-25		80
King Post		75	03-Oct-24	02-Jan-25		80
WKCDA-G-CON-01000	Installation of king post at Zone 2A-2-1(Total=150nos, 3days/pile/rig, 6rigs)	75	03-Oct-24	02-Jan-25	0%	80
Cost Center H - Bored Pile Foundation for Zone 2A-2-2		97	05-Jul-24	09-Oct-24		547
General Submission		70	05-Jul-24	12-Sep-24		574
Submission and Approval		70	05-Jul-24	12-Sep-24		574
WKCDA-H-SUB-01000	Prepare and submit method statement for predrilling works at Zone 2A-2-2	28	05-Jul-24	01-Aug-24	0%	568
WKCDA-H-SUB-01020	Review and approve submission of method statement for predrilling works at Zone 2A-2-2	14	02-Aug-24	15-Aug-24	0%	568
WKCDA-H-SUB-01040	Prepare and submit method statement for bored piling works at Zone 2A-2-2	28	02-Aug-24	29-Aug-24	0%	574
WKCDA-H-SUB-01060	Review and approve submission of method statement for bored piling works at Zone 2A-2-2	14	30-Aug-24	12-Sep-24	0%	574
WKCDA-H-SUB-01080	Prepare and submit method statement for protection works for existing seawater cooling structure at Zone 2A-2-2	14	05-Jul-24	18-Jul-24	0%	111
WKCDA-H-SUB-01100	Review and approve submission of method statement for protection works for seawater cooling structure at Zone 2A-2-2	14	19-Jul-24	01-Aug-24	0%	111
Construction		97	05-Jul-24	09-Oct-24		521
Bored Pile Foundation		97	05-Jul-24	09-Oct-24		521
WKCDA-H-CON-01000	Prepare and submit SSP for piling works at Zone 2A-2-2	7	05-Jul-24	11-Jul-24	0%	576
WKCDA-H-CON-01020	Application and obtain consent(BA8) for bored piling works at Zone 2A-2-2	28	02-Aug-24	29-Aug-24	0%	555
WKCDA-H-CON-01040	Submit BA10 for bored piling works at Zone 2A-2-2	7	30-Aug-24	05-Sep-24	0%	555
WKCDA-H-CON-01050	Site mobilization and carry out protection works for existing seawater cooling structure at Zone 2A-2	21	13-Sep-24	09-Oct-24	0%	416



Non-critical Activities
Critical Activities
Milestone

CC/2023/2B/095
Three Month Rolling Programme

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12-Jul-24	Rev.0	NF	CK

C. Environmental Mitigation Measures – Implementation Status

Table C-1: Environmental Mitigation Measures Implementation Status

		Implementation Stage			
			Zone 2B & 2C		Zones 2A, 2B & 2C
EM&A Ref.	Recommendation Measures	May 2024	Jun 2024	Jul 2024	Jul 2024
Air Quality Impact (Construction)					
2.1	**General Dust Control Measures** Frequent water spraying for active construction areas (12 times a day or once every one hour), including Heavy construction activities such as construction of buildings or roads, drilling, ground excavation, cut and fill operations (i.e., earth moving)	✓	✓	✓	✓
2.1	**Best Practice For Dust Control** The relevant best practices for dust control as stipulated in the Air Pollution Control (construction Dust) Regulation should be adopted to further reduce the construction dust impacts from the Project. These best practices include: *Good Site Management* • Good site management is important to help reducing potential air quality impact down to an acceptable level. As a general guide, the Contractor should maintain high standard of housekeeping to prevent emission of fugitive dust. Loading, unloading, handling and storage of raw materials, wastes or by-products should be carried out in a manner so as to minimise the release of visible dust emission. Any piles of materials accumulated on or around the work areas should be cleaned up regularly. Cleaning, repair and maintenance of all plant facilities within the work areas should be carried out in a manner minimising generation of fugitive dust emissions. The material should be handled properly to prevent fugitive dust emission before cleaning.	✓	✓	✓	✓

		Implementation Stage			
			Zone 2B & 2C		Zones 2A, 2B & 2C
EM&A Ref.	Recommendation Measures	May 2024	Jun 2024	Jul 2024	Jul 2024
	Disturbed Parts of the Roads	✓	✓	✓	✓
	• Each and every main temporary access should be paved with concrete, bituminous hardcore materials or metal plates and kept clear of dusty materials; or				
	• Unpaved parts of the road should be sprayed with water or a dust suppression chemical so as to keep the entire road surface wet.	Obs	✓	✓	Obs
	Exposed Earth	N/A	N/A	N/A	N/A
	• Exposed earth should be properly treated by compaction, hydroseeding, vegetation planting or seating with latex, vinyl, bitumen within six months after the last construction activity on the site or part of the site where the exposed earth lies.				
	Loading, Unloading or Transfer of Dusty Materials	✓	✓	✓	✓
	• All dusty materials should be sprayed with water immediately prior to any loading or transfer operation so as to keep the dusty material wet.				
	Debris Handling	✓	✓	✓	✓
	• Any debris should be covered entirely by impervious sheeting or stored in a debris collection area sheltered on the top and the three sides.				
	• Before debris is dumped into a chute, water should be sprayed so that it remains wet when it is dumped.	N/A	N/A	N/A	N/A
	Transport of Dusty Materials	✓	✓	✓	✓
	• Vehicle used for transporting dusty materials/spoils should be covered with tarpaulin or similar material. The cover should extend over the edges of the sides and tailboards.				
	Wheel washing	✓	✓	✓	✓
	• Vehicle wheel washing facilities should be provided at each construction site exit. Immediately before leaving the construction site, every vehicle should be washed to remove any dusty materials from its body and wheels.				

EM&A Ref.	Recommendation Measures	Implementation Stage			
			Zone 2B & 2C		Zones 2A, 2B & 2C
		May 2024	Jun 2024	Jul 2024	Jul 2024
	Use of vehicles	✓	✓	✓	✓
	• The speed of the trucks within the site should be controlled to about 10km/hour in order to reduce adverse dust impacts and secure the safe movement around the site.				
	• Immediately before leaving the construction site, every vehicle should be washed to remove any dusty materials from its body and wheels.	✓	✓	✓	✓
	• Where a vehicle leaving the construction site is carrying a load of dusty materials, the load should be covered entirely by clean impervious sheeting to ensure that the dusty materials do not leak from the vehicle.	✓	✓	✓	✓
	Site hoarding	✓	✓	✓	✓
	• Where a site boundary adjoins a road, street, service lane or other area accessible to the public, hoarding of not less than 2.4m high from ground level should be provided along the entire length of that portion of the site boundary except for a site entrance or exit.				
2.1	**Best Practicable Means for Cement Works (Concrete Batching Plant)**				
	The relevant best practices for dust control as stipulated in the Guidance Note on the Best Practicable Means for Cement Works (Concrete Batching Plant) BPM 3/2(93) should be followed and implemented to further reduce the construction dust impacts of the Project. These best practices include:				
	Exhaust from Dust Arrestment Plant	N/A	N/A	N/A	N/A
	• Wherever possible the final discharge point from particulate matter arrestment plant, where is not necessary to achieve dispersion from residual pollutants, should be at low level to minimise the effect on the local community in the case of abnormal emissions and to facilitate maintenance and inspection				

		Implementation Stage			
			Zone 2B & 2C		Zones 2A, 2B & 2C
EM&A Ref.	Recommendation Measures	May 2024	Jun 2024	Jul 2024	Jul 2024
	Emission Limits	N/A	N/A	N/A	N/A
	• All emissions to air, other than steam or water vapour, shall be colourless and free from persistent mist or smoke				
	Engineering Design/Technical Requirements	N/A	N/A	N/A	N/A
	• As a general guidance, the loading, unloading, handling and storage of fuel, raw materials, products, wastes or by-products should be carried out in a manner so as to prevent the release of visible dust and/or other noxious or offensive emissions				
	Non-Road Mobile Machinery (NRMM): All NRMMs operating on-site which are subject to emission control of Air Pollution Control (Non-road Mobile Machinery) (Emission) Regulation are approved/exempted (as the case may be) and affixed with the requisite approval/exemption labels.	✓	✓	✓	✓
Noise Impact (Construction)					
3.1	**Good Site Practice**				
	• Good site practice and noise management can significantly reduce the impact of construction site activities on nearby NSRs. The following package of measures should be followed during each phase of construction:				
	• only well-maintained plant to be operated on-site and plant should be serviced regularly during the construction works;	✓	✓	✓	✓
	• machines and plant that may be in intermittent use to be shut down between work periods or should be throttled down to a minimum	✓	✓	✓	✓
	• plant known to emit noise strongly in one direction, should, where possible, be orientated to direct noise away from the NSRs;	✓	✓	✓	✓
	• mobile plant should be sited as far away from NSRs as possible; and	✓	✓	✓	✓
	• material stockpiles and other structures to be effectively utilised, where practicable, to screen noise from on-site construction activities.	✓	✓	✓	✓

		Implementation Stage			
			Zone 2B & 2C		Zones 2A, 2B & 2C
EM&A Ref.	Recommendation Measures	May 2024	Jun 2024	Jul 2024	Jul 2024
3.1	**Adoption of Quieter PME** The recommended quieter PME adopted in the assessment were taken from the EPD's QPME Inventory and "*Sound Power Levels of Other Commonly Used PME*" are presented in **Table 4.26** in the EIA report. It should be noted that the silenced PME selected for assessment can be found in Hong Kong.	✓	✓	✓	✓
3.1	**Use of Movable Noise Barriers** Movable noise barriers can be very effective in screening noise from particular items of plant when constructing the Project. Noise barriers located along the active works area close to the noise generating component of a PME could produce at least 10 dB(A) screening for stationary plant and 5 dB(A) for mobile plant provided the direct line of sight between the PME and the NSRs is blocked.	✓	✓	✓	✓
3.1	**Use of Noise Enclosure/ Acoustic Shed** The use of noise enclosure or acoustic shed is to cover stationary PME such as air compressor and concrete pump. With the adoption of the noise enclosure, the PME could be completely screened, and noise reduction of 15 dB(A) can be achieved according to the EIAO Guidance Note No. 9/2010.	✓	✓	✓	✓
3.1	**Use of Noise Insulating Fabric** Noise insulating fabric can also be adopted for certain PME (e.g. drill rig, pilling machine etc). The fabric should be lapped such that there are no openings or gaps on the joints. According to the approved Tsim Sha Tsui Station Northern Subway EIA report (AEIAR-127/2008), a noise reduction of 10 dB(A) can be achieved for the PME lapped with the noise insulating fabric.	✓	✓	✓	✓

		Implementation Stage			
			Zone 2B & 2C		Zones 2A, 2B & 2C
EM&A Ref.	Recommendation Measures	May 2024	Jun 2024	Jul 2024	Jul 2024
3.1	**Scheduling of Construction Works outside School Examination Periods** During construction phase, the contractor should liaise with the educational institutions (including NSRs LCS and CRGPS) to obtain the examination schedule and avoid the noisy construction activities during school examination periods.	✓	✓	✓	✓
Water Quality Impact (Construction)					
4.1	**Construction site runoff and drainage** The site practices outlined in ProPECC Note PN 1/94 should be followed as far as practicable in order to minimise surface runoff and the chance of erosion. The following measures are recommended to protect water quality and sensitive uses of the coastal area, and when properly implemented should be sufficient to adequately control site discharges so as to avoid water quality impacts:				
	• At the start of site establishment, perimeter cut-off drains to direct off-site water around the site should be constructed with internal drainage works and erosion and sedimentation control facilities implemented. Channels, earth bunds or sand bag barriers should be provided on site to direct storm water to silt removal facilities. The design of the temporary on-site drainage system should be undertaken by the WKCDA's Contractor prior to the commencement of construction;	✓	✓	✓	✓
	• Sand/silt removal facilities such as sand/silt traps and sediment basins should be provided to remove sand/silt particles from runoff to meet the requirements of the TM standards under the WPCO. The design of efficient silt removal facilities should be based on the guidelines in Appendix A1 of ProPECC Note PN 1/94. Sizes may vary depending upon the flow rate. The detailed design of the sand/silt traps should be undertaken by the WKCDA's Contractor prior to the commencement of construction.	✓	✓	✓	✓

		Implementation Stage			
			Zone 2B & 2C		Zones 2A, 2B & 2C
EM&A Ref.	Recommendation Measures	May 2024	Jun 2024	Jul 2024	Jul 2024
	• All drainage facilities and erosion and sediment control structures should be regularly inspected and maintained to ensure proper and efficient operation at all times and particularly during rainstorms. Deposited silt and grit should be regularly removed, at the onset of and after each rainstorm to ensure that these facilities are functioning properly at all times.	✓	✓	✓	Obs
	• Measures should be taken to minimize the ingress of site drainage into excavations. If excavation of trenches in wet periods is necessary, they should be dug and backfilled in short sections wherever practicable. Water pumped out from foundation excavations should be discharged into storm drains via silt removal facilities.	✓	✓	✓	Obs
	• All vehicles and plant should be cleaned before leaving a construction site to ensure no earth, mud, debris and the like is deposited by them on roads. An adequately designed and sited wheel washing facility should be provided at construction site exit where practicable. Wash-water should have sand and silt settled out and removed regularly to ensure the continued efficiency of the process. The section of access road leading to, and exiting from, the wheel-wash bay to the public road should be paved with sufficient backfall toward the wheel-wash bay to prevent vehicle tracking of soil and silty water to public roads and drains.	✓	✓	✓	✓
	• Open stockpiles of construction materials or construction wastes onsite should be covered with tarpaulin or similar fabric during rainstorms. Measures should be taken to prevent the washing away of construction materials, soil, silt or debris into any drainage system.	✓	✓	✓	✓
	• Manholes (including newly constructed ones) should be adequately covered and temporarily sealed so as to prevent silt, construction materials or debris being washed into the drainage system and stormwater runoff being directed into foul sewers.	✓	✓	✓	✓

		Implementation Stage			
			Zone 2B & 2C		Zones 2A, 2B & 2C
EM&A Ref.	Recommendation Measures	May 2024	Jun 2024	Jul 2024	Jul 2024
	• Precautions should be taken at any time of the year when rainstorms are likely. Actions should be taken when a rainstorm is imminent or forecasted and actions to be taken during or after rainstorms are summarized in Appendix A2 of ProPECC Note PN 1/94. Particular attention should be paid to the control of silty surface runoff during storm events, especially for areas located near steep slopes.	✓	✓	✓	✓
	• Bentonite slurries used in piling or slurry walling should be reconditioned and reused wherever practicable. Temporary enclosed storage locations should be provided on-site for any unused bentonite that needs to be transported away after all the related construction activities are completed. The requirements in ProPECC Note PN 1/94 should be adhered to in the handling and disposal of bentonite slurries.	N/A	N/A	N/A	N/A
4.1	**Barging facilities and activities** Recommendations for good site practices during operation of the proposed barging point include:				
	• All vessels should be sized so that adequate clearance is maintained between vessels and the seabed in all tide conditions, to ensure that undue turbidity is not generated by turbulence from vessel movement or propeller wash;	N/A	N/A	N/A	N/A
	• Loading of barges and hoppers should be controlled to prevent splashing of material into the surrounding water. Barges or hoppers should not be filled to a level that will cause the overflow of materials or polluted water during loading or transportation;	N/A	N/A	N/A	N/A
	• All hopper barges should be fitted with tight fitting seals to their bottom openings to prevent leakage of material; and	N/A	N/A	N/A	N/A
	• Construction activities should not cause foam, oil, grease, scum, litter or other objectionable matter to be present on the water within the site.	N/A	N/A	N/A	N/A

		Implementation Stage			
			Zone 2B & 2C		Zones 2A, 2B & 2C
EM&A Ref.	Recommendation Measures	May 2024	Jun 2024	Jul 2024	Jul 2024
4.1	**Sewage effluent from construction workforce** Temporary sanitary facilities, such as portable chemical toilets, should be employed on-site where necessary to handle sewage from the workforce. A licensed contractor should be employed to provide appropriate and adequate portable toilets and be responsible for appropriate disposal and maintenance.	✓	✓	✓	✓
4.1	**General construction activities**				
	• Construction solid waste, debris and refuse generated on-site should be collected, handled and disposed of properly to avoid entering any nearby storm water drain. Stockpiles of cement and other construction materials should be kept covered when not being used.	✓	✓	✓	✓
	• Oils and fuels should only be stored in designated areas which have pollution prevention facilities. To prevent spillage of fuels and solvents to any nearby storm water drain, all fuel tanks and storage areas should be provided with locks and be sited on sealed areas, within bunds of a capacity equal to 110% of the storage capacity of the largest tank. The bund should be drained of rainwater after a rain event.	Obs	Obs	✓	✓
Waste Management Implications (Construction)					
6.1	**Good Site Practices**				
	• Recommendations for good site practices during the construction activities include:				
	• Nomination of an approved person, such as a site manager, to be responsible for good site practices, arrangements for collection and effective disposal to an appropriate facility, of all wastes generated at the site	✓	✓	✓	✓
	• Training of site personnel in proper waste management and chemical handling procedures	✓	✓	✓	✓
	• Provision of sufficient waste disposal points and regular collection of waste	✓	✓	✓	✓

EM&A Ref.	Recommendation Measures	Implementation Stage			
			Zone 2B & 2C		Zones 2A, 2B & 2C
		May 2024	Jun 2024	Jul 2024	Jul 2024
	• Appropriate measures to minimise windblown litter and dust/odour during transportation of waste by either covering trucks or by transporting wastes in enclosed containers	✓	✓	✓	✓
	• Provision of wheel washing facilities before the trucks leaving the works area so as to minimise dust introduction to public roads	✓	✓	✓	✓
	• Well planned delivery programme for offsite disposal such that adverse environmental impact from transporting the inert or non-inert C&D materials is not anticipated	✓	✓	✓	✓
6.1	**Waste Reduction Measures**				
	Recommendations to achieve waste reduction include:				
	• Sort inert C&D material to recover any recyclable portions such as metals	✓	✓	✓	✓
	• Segregation and storage of different types of waste in different containers or skips to enhance reuse or recycling of materials and their proper disposal	✓	✓	✓	✓
	• Encourage collection of recyclable waste such as waste paper and aluminium cans by providing separate labelled bins to enable such waste to be segregated from other general refuse generated by the work force	✓	✓	✓	✓
	• Proper site practices to minimise the potential for damage or contamination of inert C&D materials	✓	✓	✓	✓
	• Plan the use of construction materials carefully to minimise amount of waste generated and avoid unnecessary generation of wastes	✓	✓	✓	✓

		Implementation Stage			
			Zone 2B & 2C		Zones 2A, 2B & 2C
EM&A Ref.	Recommendation Measures	May 2024	Jun 2024	Jul 2024	Jul 2024
6.1	**Inert and Non-inert C&D Materials** In order to minimise impacts resulting from collection and transportation of inert C&D material for off-site disposal, the excavated materials should be reused on-site as fill material as far as practicable. In addition, inert C&D material generated from excavation works could be reused as fill materials in local projects that require public fill for reclamation.				
	• The surplus inert C&D material will be disposed of at the Government's PFRFs for beneficial use by other projects in Hong Kong.	✓	✓	✓	✓
	• Liaison with the CEDD Public Fill Committee (PFC) on the allocation of space for disposal of the inert C&D materials at PFRF is underway. No construction work is allowed to proceed until all issues on management of inert C&D materials have been resolved and all relevant arrangements have been endorsed by the relevant authorities including PFC and EPD.	✓	✓	✓	✓
	• The C&D materials generated from general site clearance should be sorted on site to segregate any inert materials for reuse or disposal of at PFRFs whereas the non-inert materials will be disposed of at the designated landfill site.	✓	✓	✓	✓
	• In order to monitor the disposal of inert and non-inert C&D materials at respectively PFRFs and the designated landfill site, and to control fly-tipping, it is recommended that the Contractor should follow the Technical Circular (Works) No. 6/2010 for Trip Ticket System for Disposal of Construction & Demolition Materials issued by Development Bureau. In addition, it is also recommended that the Contractor should prepare and implement a Waste Management Plan detailing their various waste arising and waste management practices in accordance with the relevant requirements of the Technical Circular (Works) No. 19/2005 Environmental Management on Construction Site.	✓	✓	✓	✓

		Implementation Stage			
			Zone 2B & 2C		Zones 2A, 2B & 2C
EM&A Ref.	Recommendation Measures	May 2024	Jun 2024	Jul 2024	Jul 2024
6.1	**Chemical Waste** • If chemical wastes are produced at the construction site, the Contractor will be required to register with the EPD as a chemical waste producer and to follow the guidelines stated in the "Code of Practice on the Packaging Labelling and Storage of Chemical Wastes". Good quality containers compatible with the chemical wastes should be used, and incompatible chemicals should be stored separately. Appropriate labels should be securely attached on each chemical waste container indicating the corresponding chemical characteristics of the chemical waste, such as explosive, flammable, oxidizing, irritant, toxic, harmful, corrosive, etc. The Contractor should use a licensed collector to transport and dispose of the chemical wastes at the approved Chemical Waste Treatment Centre or other licensed recycling facilities, in accordance with the Waste Disposal (Chemical Waste) (General) Regulation.	✓	✓	✓	✓
	• Potential environmental impacts arising from the handling activities (including storage, collection, transportation and disposal of chemical waste) are expected to be minimal with the implementation of appropriate mitigation measures as recommended.	✓	✓	✓	✓
6.1	**General Refuse** General refuse should be stored in enclosed bins or compaction units separated from inert C&D materials. A reputable waste collector should be employed by the Contractor to remove general refuse from the site, separately from inert C&D materials. Preferably an enclosed and covered area should be provided to reduce the occurrence of 'wind blown' light material.	✓	✓	✓	✓
Land Contamination (Construction)					

		Implementation Stage			
			Zone 2B & 2C		Zones 2A, 2B & 2C
EM&A Ref.	Recommendation Measures	May 2024	Jun 2024	Jul 2024	Jul 2024
7.1	The potential for land contamination issues at the TST Fire Station due to its future relocation will be confirmed by site investigation after land acquisition. Where necessary, mitigation measures for minimising potential exposure to contaminated materials (if any) or remediation measures will be identified. If contaminated land is identified (e.g., during decommissioning of fuel oil storage tanks) after the commencement of works, mitigation measures are proposed in order to minimise the potentially adverse effects on the health and safety of construction workers and impacts arising from the disposal of potentially contaminated materials. The following measures are proposed for excavation and transportation of contaminated material:				
	• To minimize the chance for construction workers to come into contact with any contaminated materials, bulk earth-moving excavation equipment should be employed;	N/A	N/A	N/A	N/A
	• Contact with contaminated materials can be minimised by wearing appropriate clothing and personal protective equipment such as gloves and masks (especially when interacting directly with contaminated material), provision of washing facilities and prohibition of smoking and eating on site;	N/A	N/A	N/A	N/A
	• Stockpiling of contaminated excavated materials on site should be avoided as far as possible;	N/A	N/A	N/A	N/A
	• The use of contaminated soil for landscaping purpose should be avoided unless pre-treatment was carried out;	N/A	N/A	N/A	N/A
	• Vehicles containing any contaminated excavated materials should be suitably covered to reduce dust emissions and/or release of contaminated wastewater;	N/A	N/A	N/A	N/A
	• Truck bodies and tailgates should be sealed to stop any discharge;	N/A	N/A	N/A	N/A

		Implementation Stage			
			Zone 2B & 2C		Zones 2A, 2B & 2C
EM&A Ref.	Recommendation Measures	May 2024	Jun 2024	Jul 2024	Jul 2024
	• Only licensed waste haulers should be used to collect and transport contaminated material to treatment/disposal site and should be equipped with tracking system to avoid fly tipping;	N/A	N/A	N/A	N/A
	• Speed control for trucks carrying contaminated materials should be exercised;	N/A	N/A	N/A	N/A
	• Observe all relevant regulations in relation to waste handling, such as Waste Disposal Ordinance (Cap. 354), Waste Disposal (Chemical Waste) (General) Regulation (Cap. 354) and obtain all necessary permits where required; and	N/A	N/A	N/A	N/A
	• Maintain records of waste generation and disposal quantities and disposal arrangements.	N/A	N/A	N/A	N/A
Ecological Impact (Construction)					
	No mitigation measure is required.				
Landscape and Visual Impact (Construction)					
Table 9.1 (CM1)	Trees should be retained in situ on site as far as possible. Should tree removal be unavoidable due to construction impacts, trees will be transplanted or felled with reference to the stated criteria in the Tree Removal Applications to be submitted to relevant government departments for approval in accordance to ETWB TCW No. 29/2004 and 3/2006.	✓	✓	✓	✓
Table 9.1 (CM2)	Compensatory tree planting shall be incorporated to the proposed project and maximize the new tree, shrubs and other vegetation planting to compensate tree felled and vegetation removed. Also, implementation of compensatory planting should be of a ratio not less than 1:1 in terms of quality and quantity within the site.	N/A	N/A	N/A	N/A
Table 9.1 (CM3)	Buffer trees for screening purposes to soften the hard architectural and engineering structures and facilities.	N/A	N/A	N/A	N/A

		Implementation Stage			
			Zone 2B & 2C		Zones 2A, 2B & 2C
EM&A Ref.	Recommendation Measures	May 2024	Jun 2024	Jul 2024	Jul 2024
Table 9.1 (CM4)	Softscape treatments such as vertical green wall panel /planting of climbing and/or weeping plants, etc, to maximize the green coverage and soften the hard architectural and engineering structures and facilities.	N/A	N/A	N/A	N/A
Table 9.1 (CM5)	Roof greening by means of intensive and extensive green roof to maximize the green coverage and improve aesthetic appeal and visual quality of the building/structure.	N/A	N/A	N/A	N/A
Table 9.1 (CM6)	Sensitive streetscape design should be incorporated along all new roads and streets.	N/A	N/A	N/A	N/A
Table 9.1 (CM7)	Structure, ornamental planting shall be provided along amenity strips to enhance the landscape quality.	N/A	N/A	N/A	N/A
Table 9.1 (CM8)	Landscape design shall be incorporated to architectural and engineering structures in order to provide aesthetically pleasing designs.	N/A	N/A	N/A	N/A
Table 9.1 (CM9)	Minimize the structure of marine facilities to be built on the seabed and foreshore in order to minimize the affected extent to the waterbody	N/A	N/A	N/A	N/A
Table 9.2 (MCP1)	Use of decorative screen hoarding/boards	✓	✓	✓	✓
Table 9.2 (MCP2)	Early introduction of landscape treatments	N/A	N/A	N/A	N/A
Table 9.2 (MCP3)	Adoption of light colour for the temporary ventilation shafts for the basement during the transition period.	N/A	N/A	N/A	N/A
Table 9.2 (MCP4)	Control of night time lighting	✓	✓	✓	✓
Table 9.2 (MCP5)	Use of greenery such as grass cover for the temporary open areas will help achieve the visual balance and soften the hard edges of the structures.	N/A	N/A	N/A	N/A

N/A - Not Applicable

✓ - Implemented

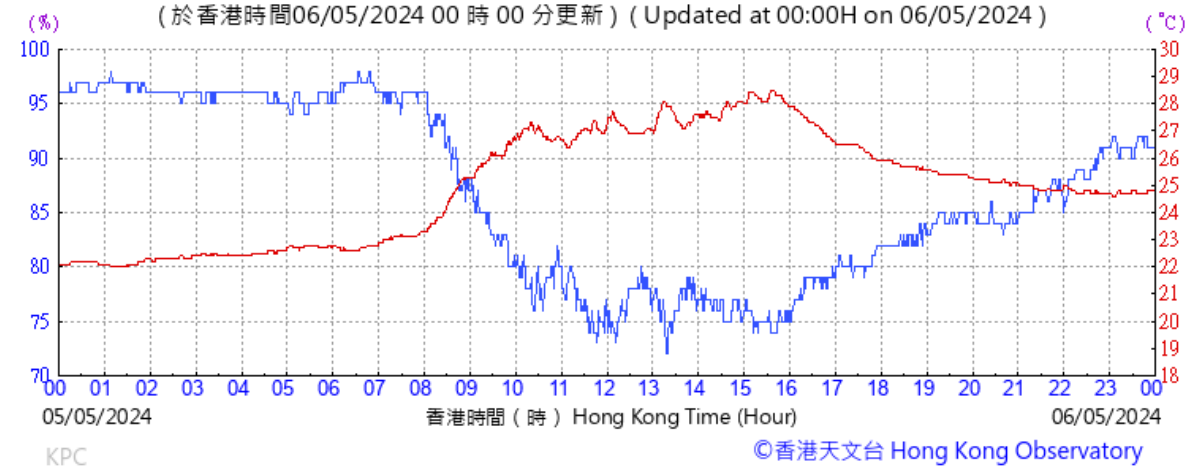
Obs - Observed

Rem - Reminder

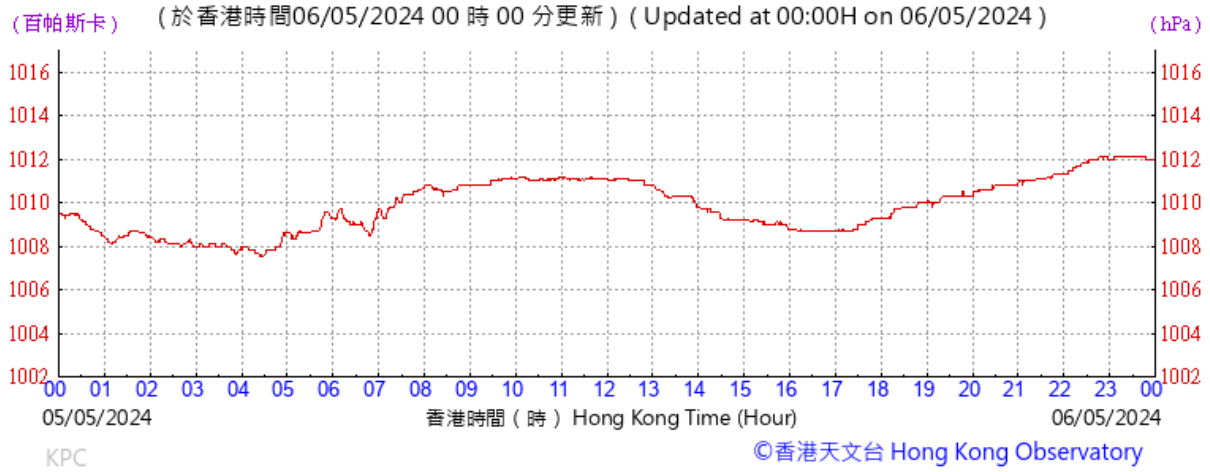
D. Meteorological Data Extracted from Hong Kong Observatory

Extract of Meteorological Observations for King's Park Automatic Weather Station, May, 2024

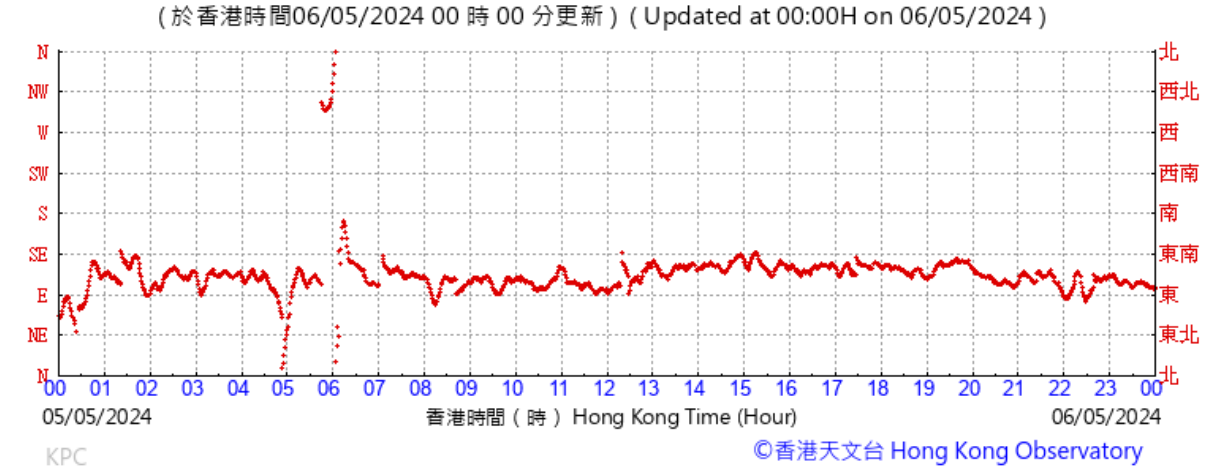
Tempearture/Humidity:



Pressure:



Wind Direction:



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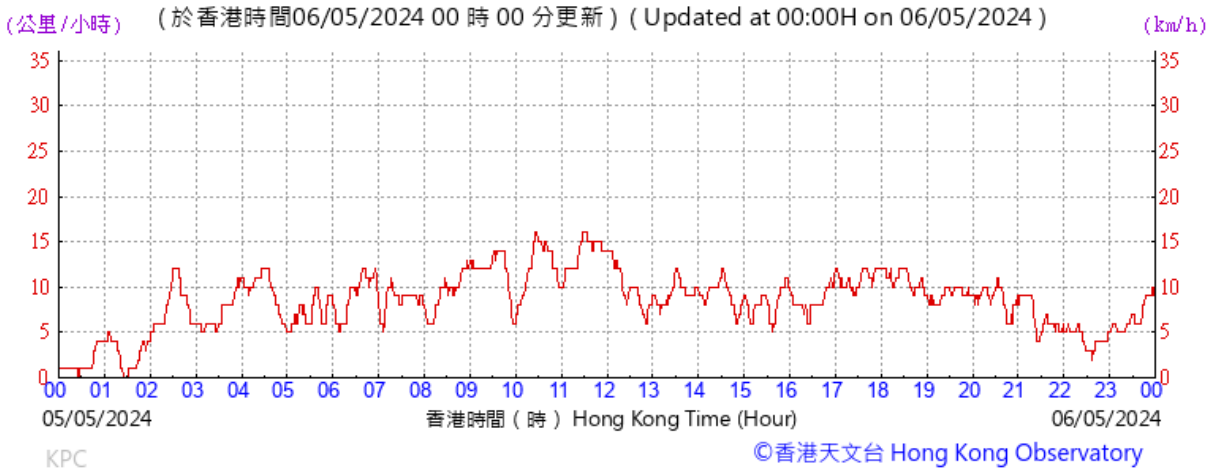
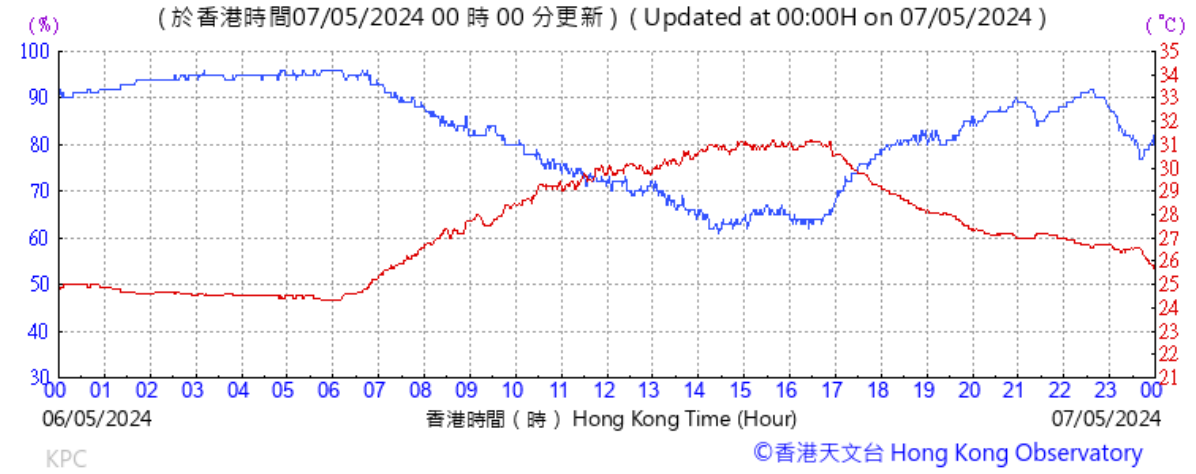
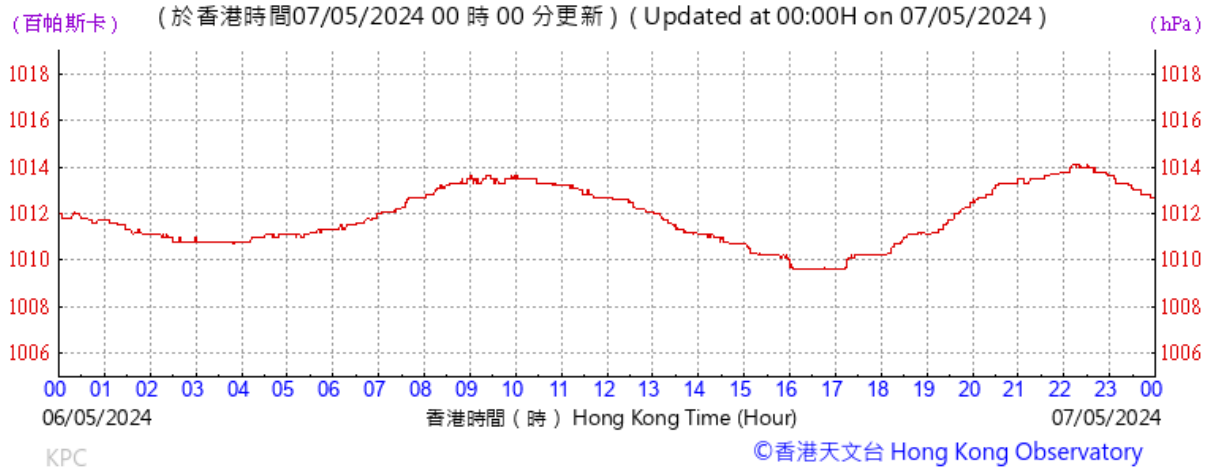


Tempearture/Humidity:



Pressure:



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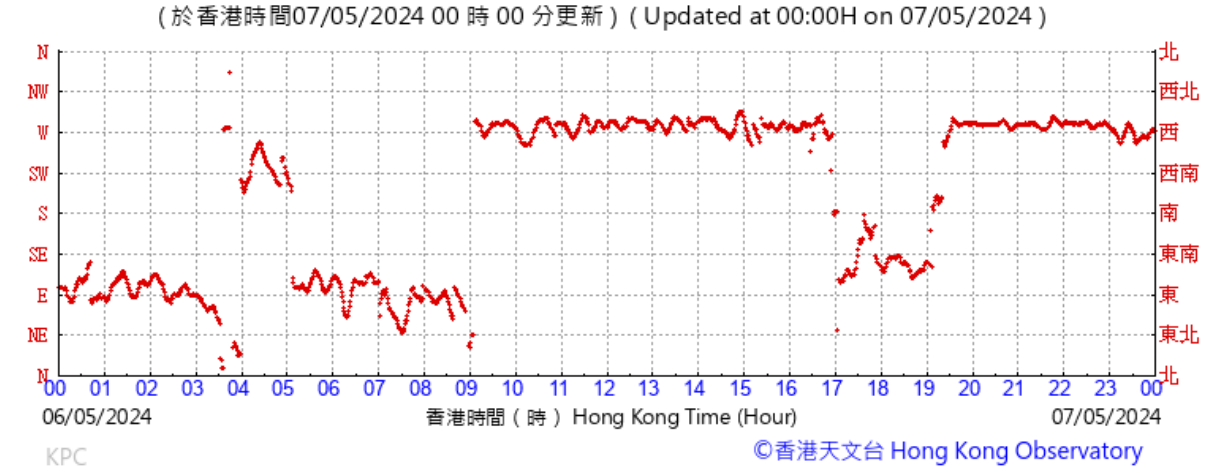

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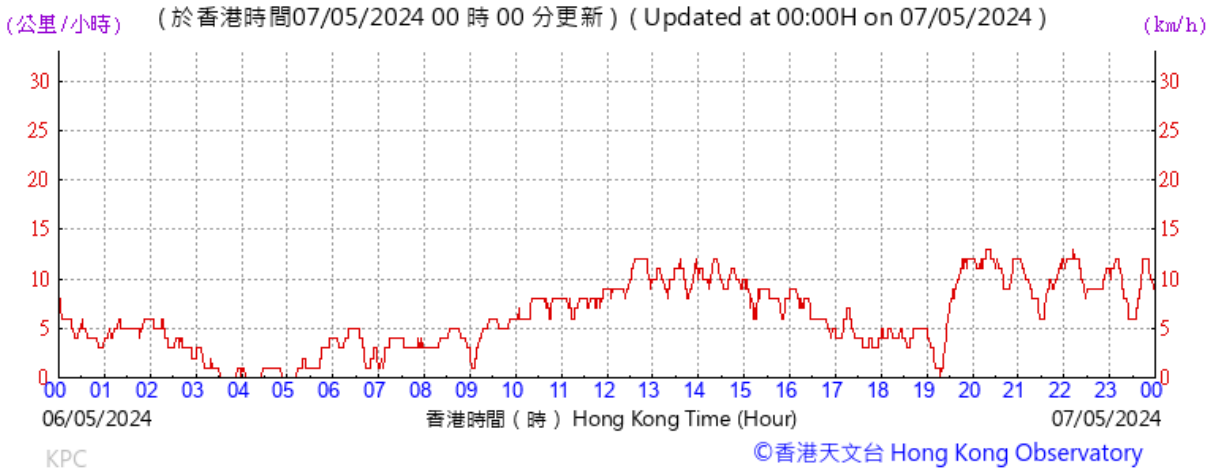

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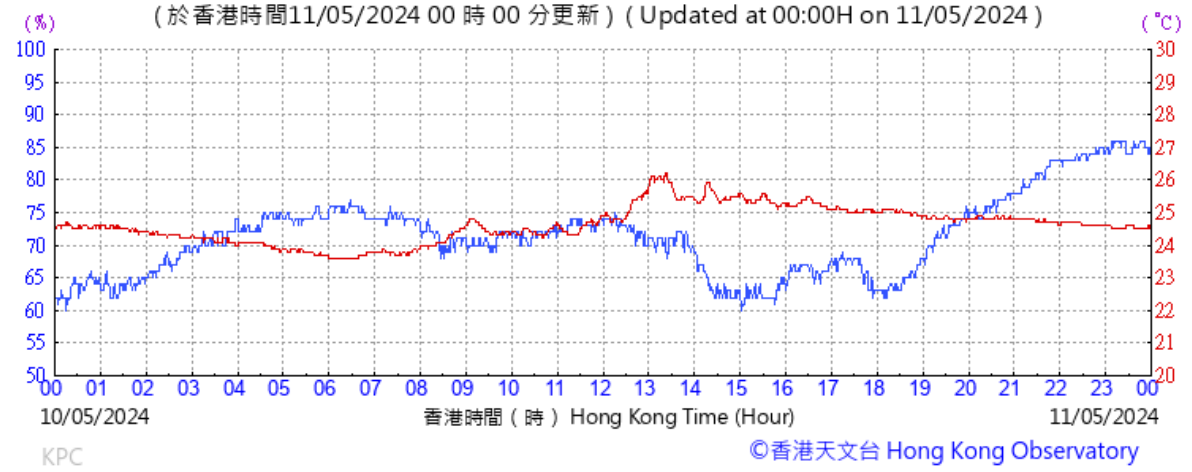
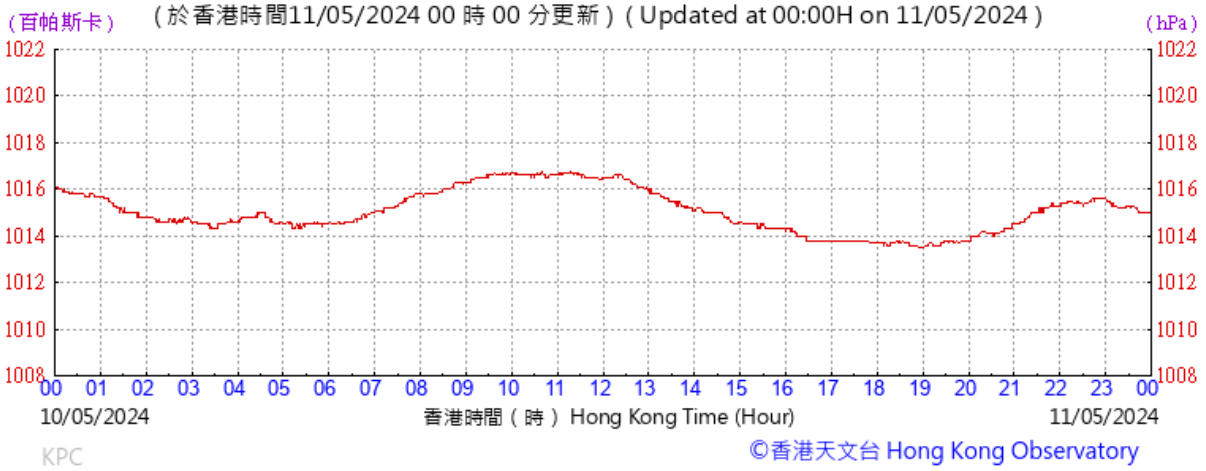


Pressure:



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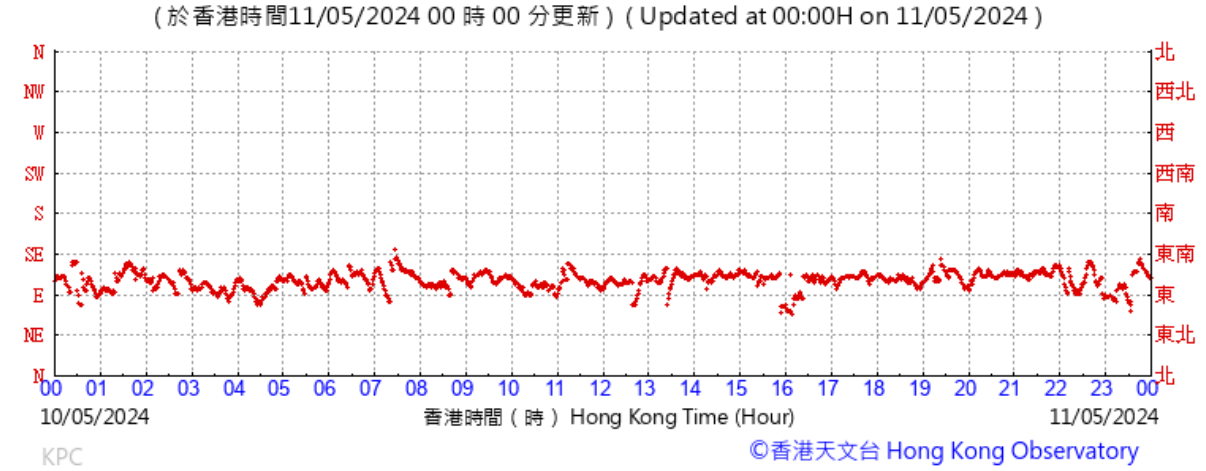
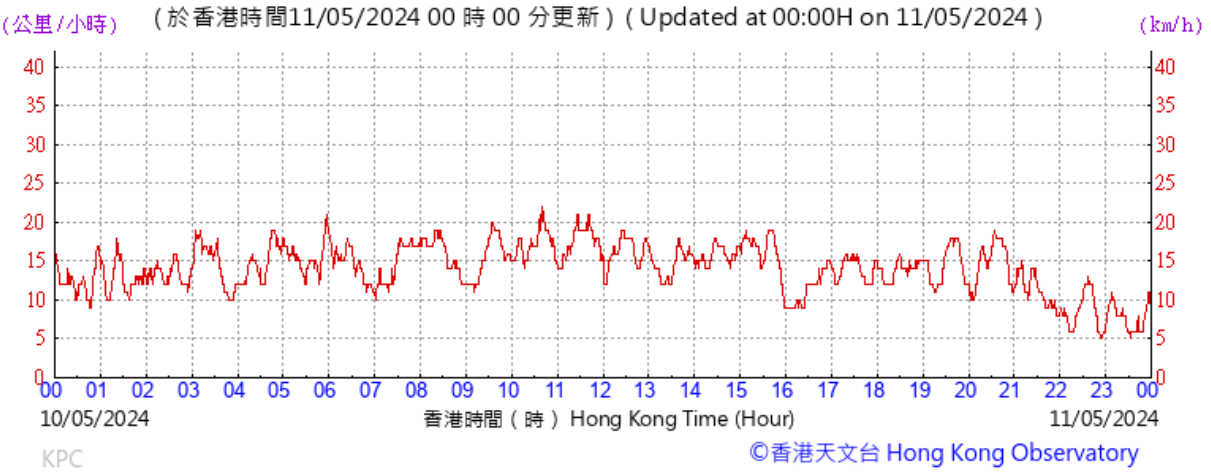
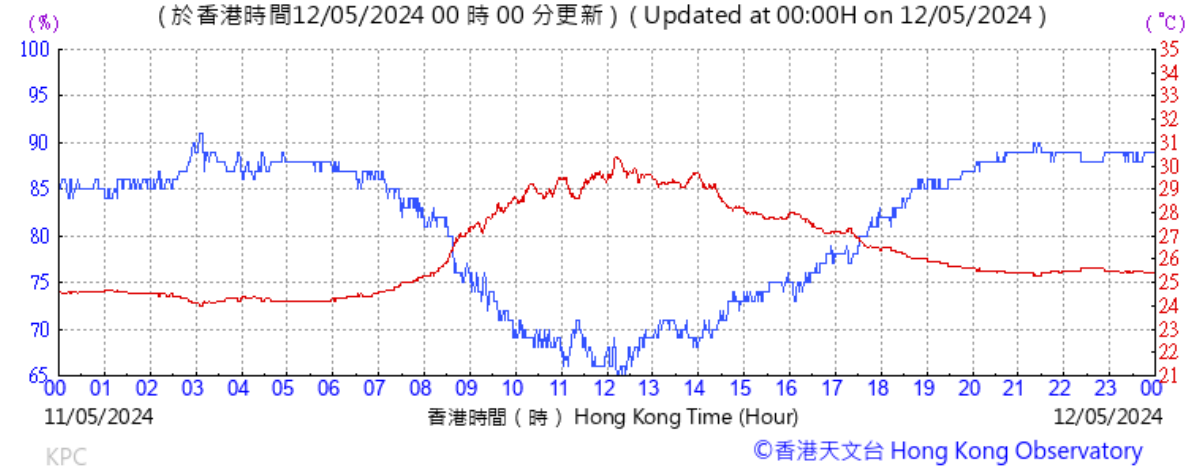


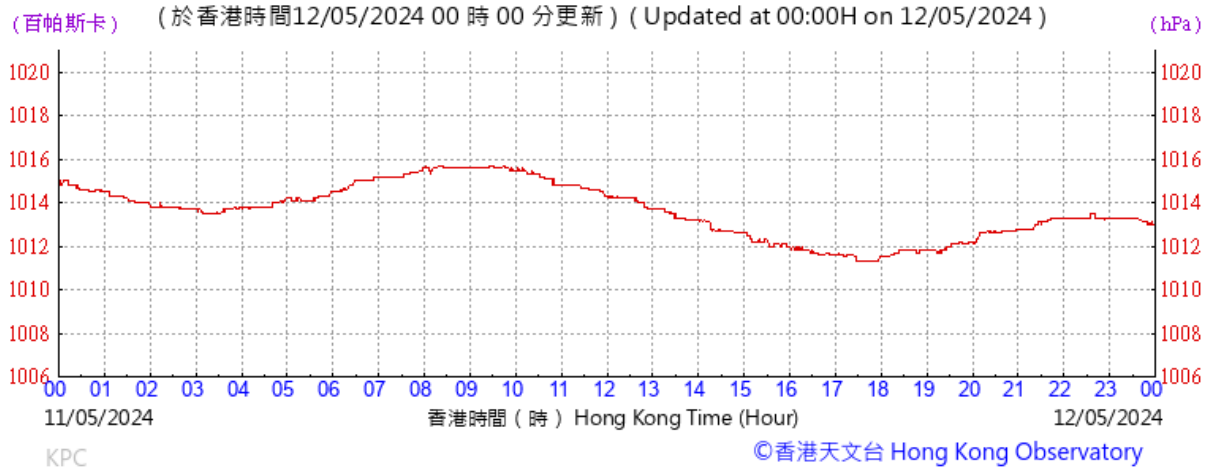
Wind Speed:



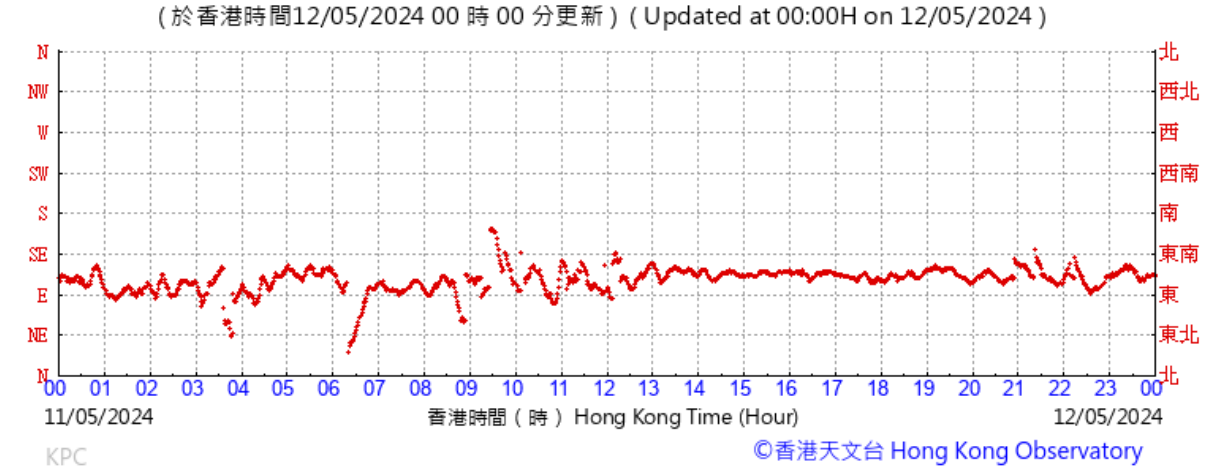
Tempearture/Humidity:



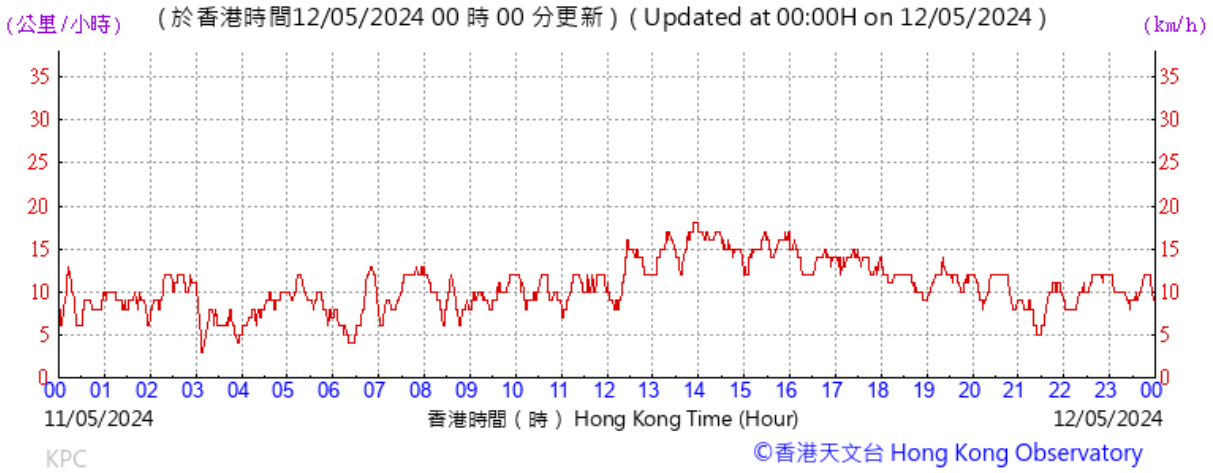
Pressure:



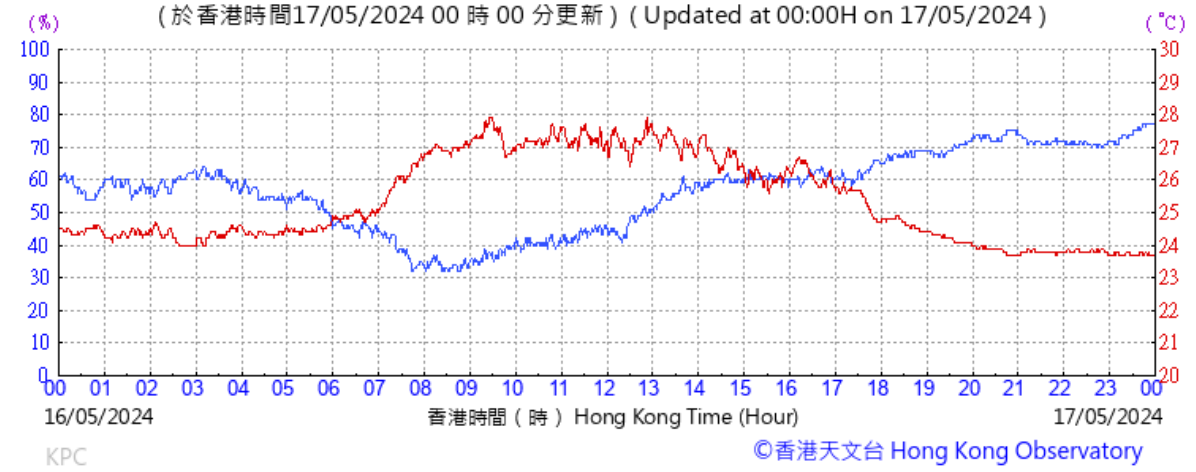
Wind Direction:



Wind Speed:



Tempearture/Humidity:



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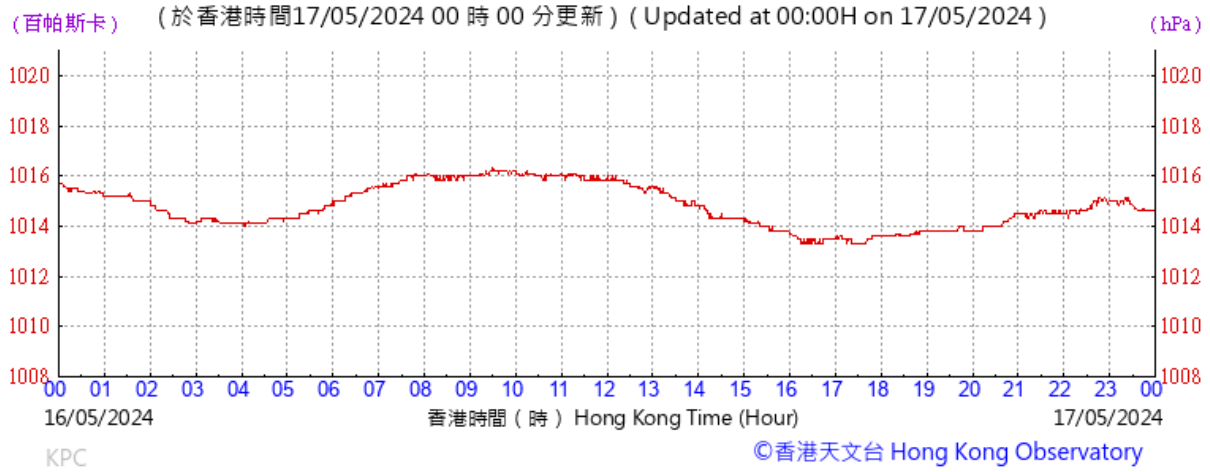

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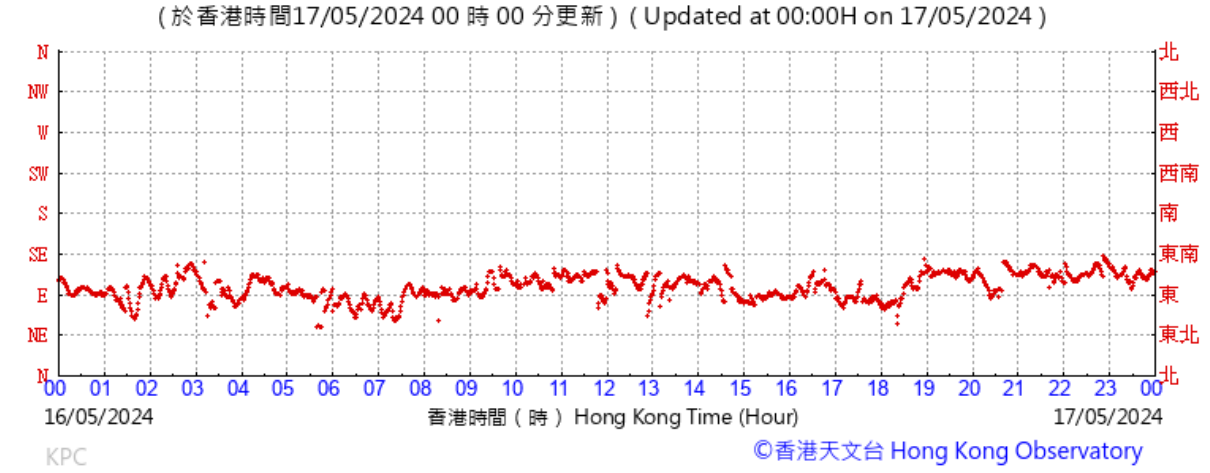

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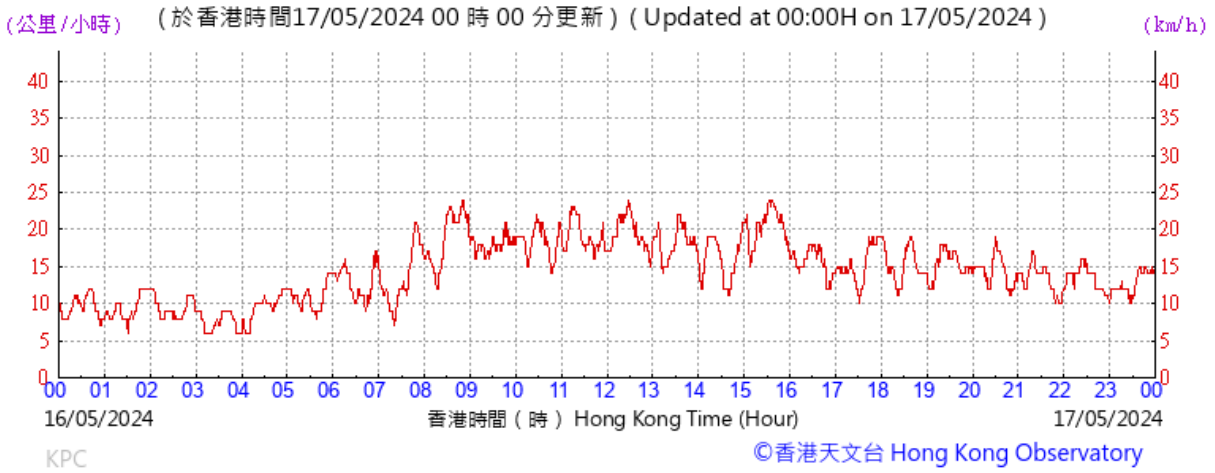

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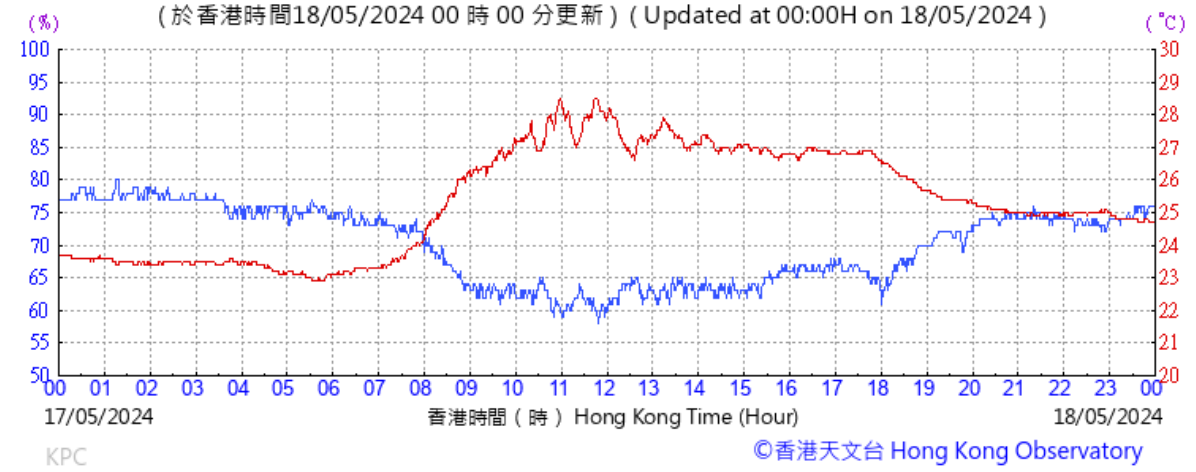

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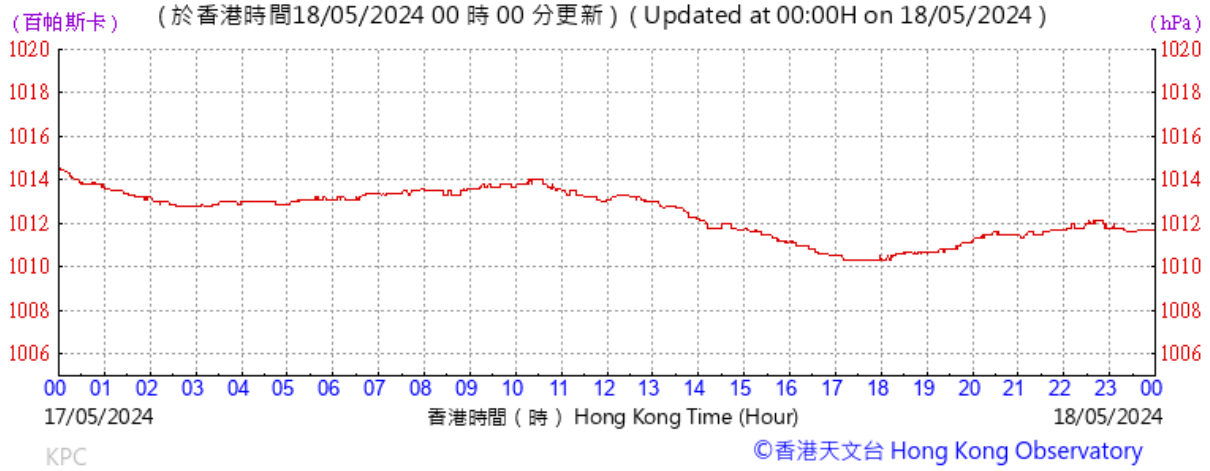

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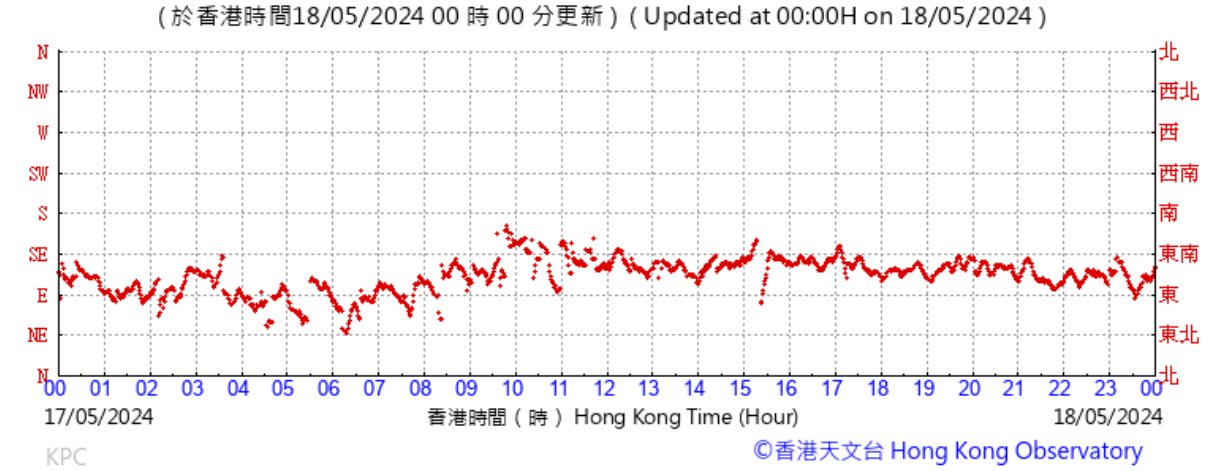

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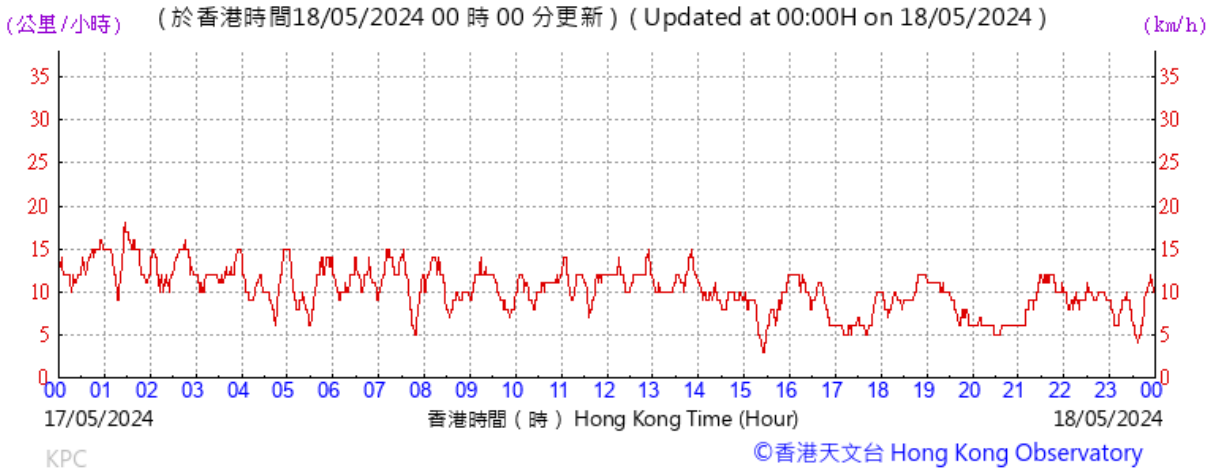

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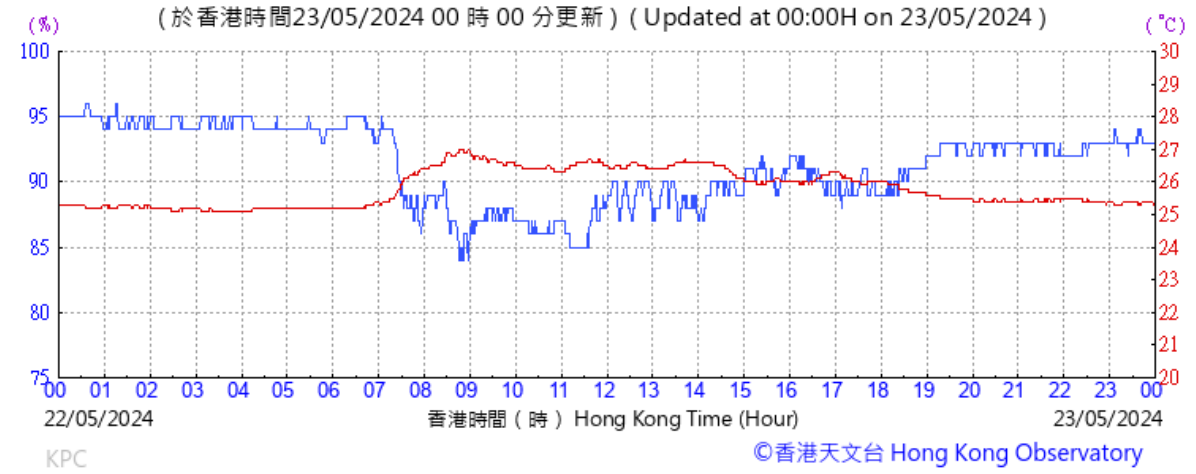

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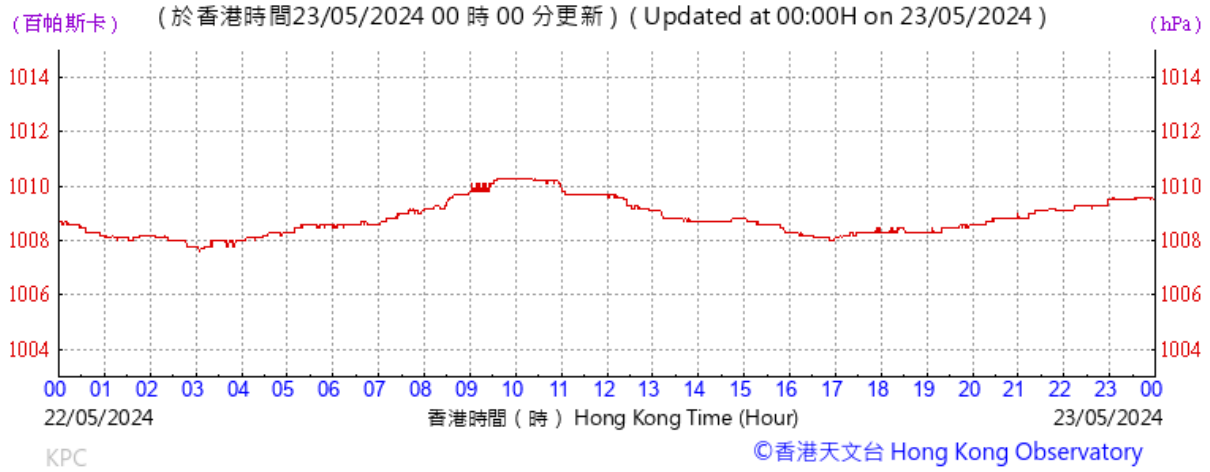

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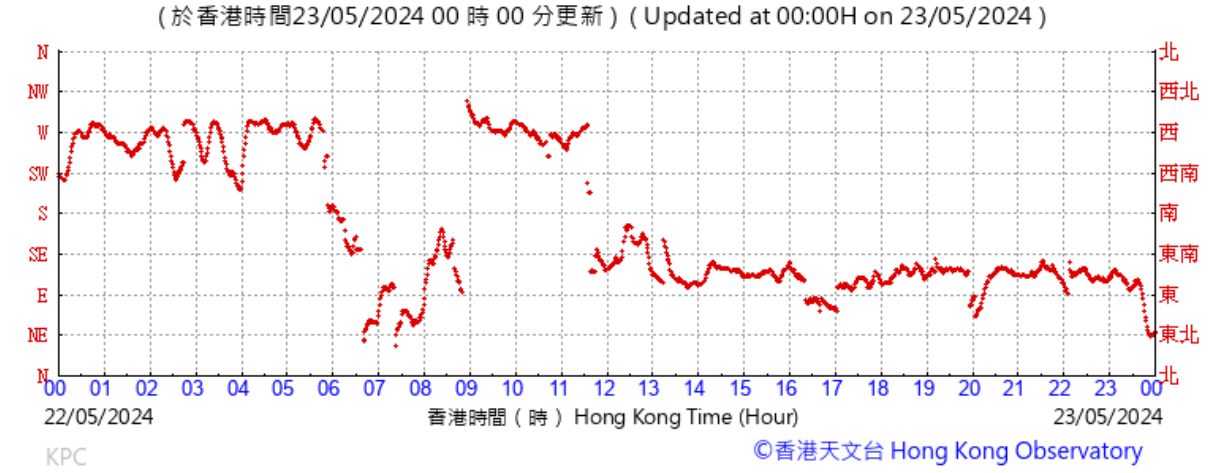

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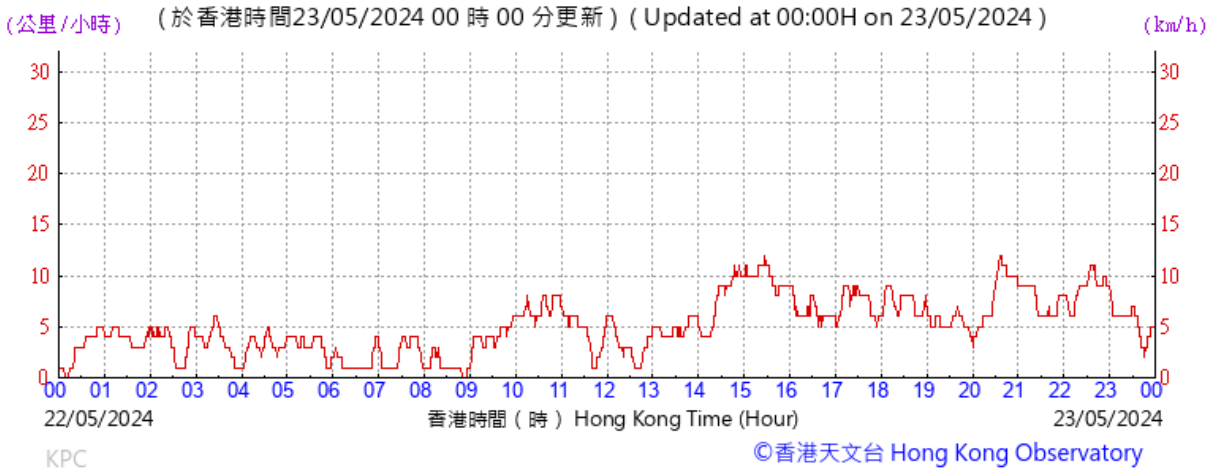

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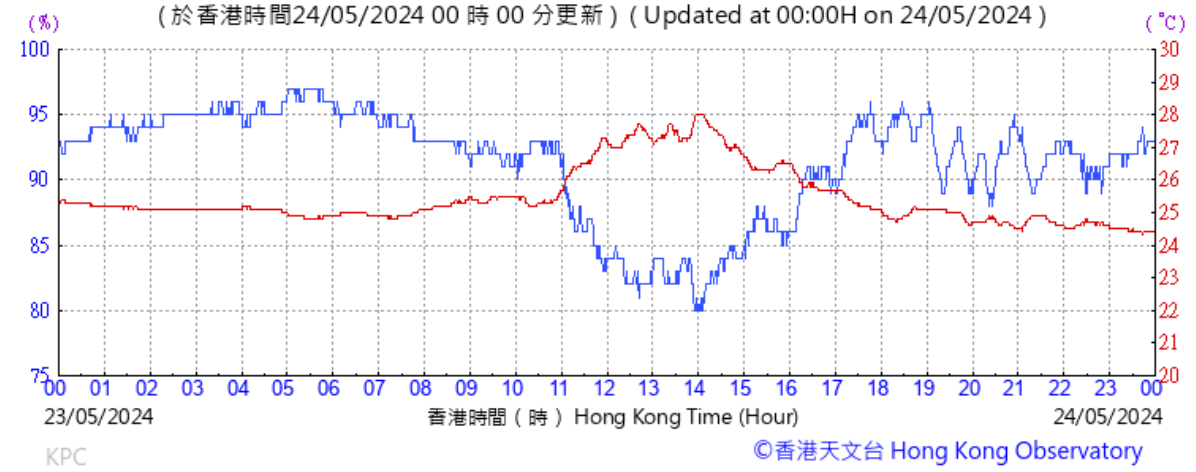

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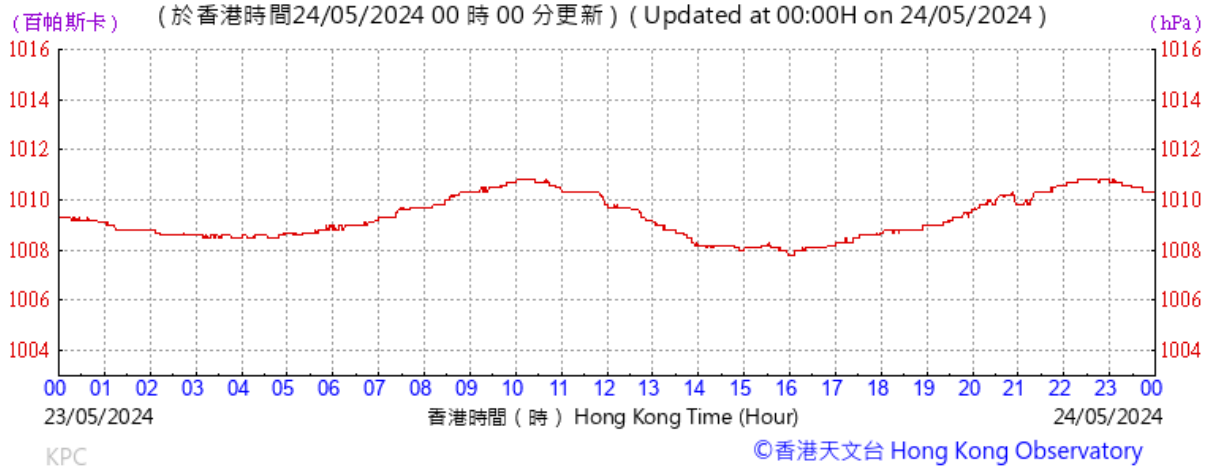

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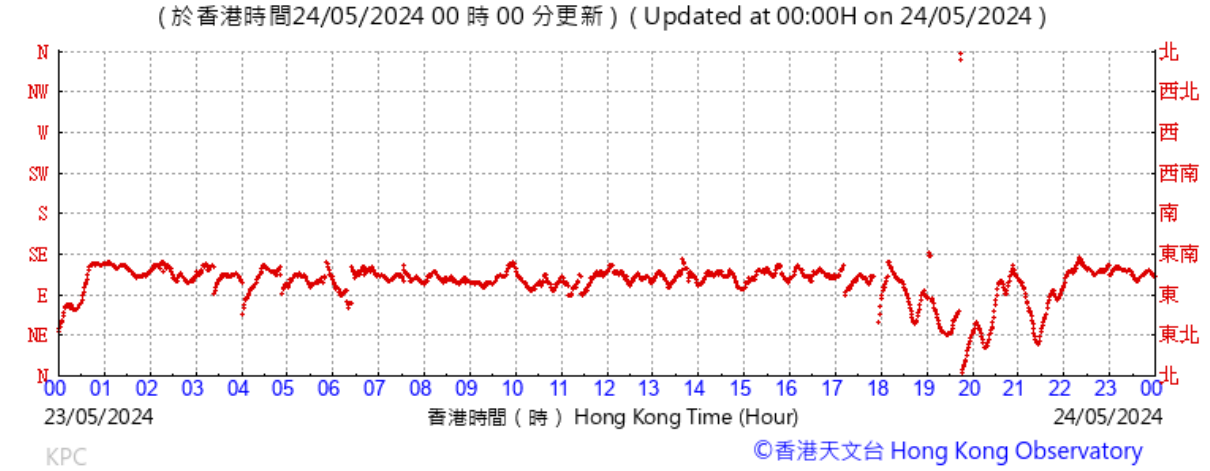

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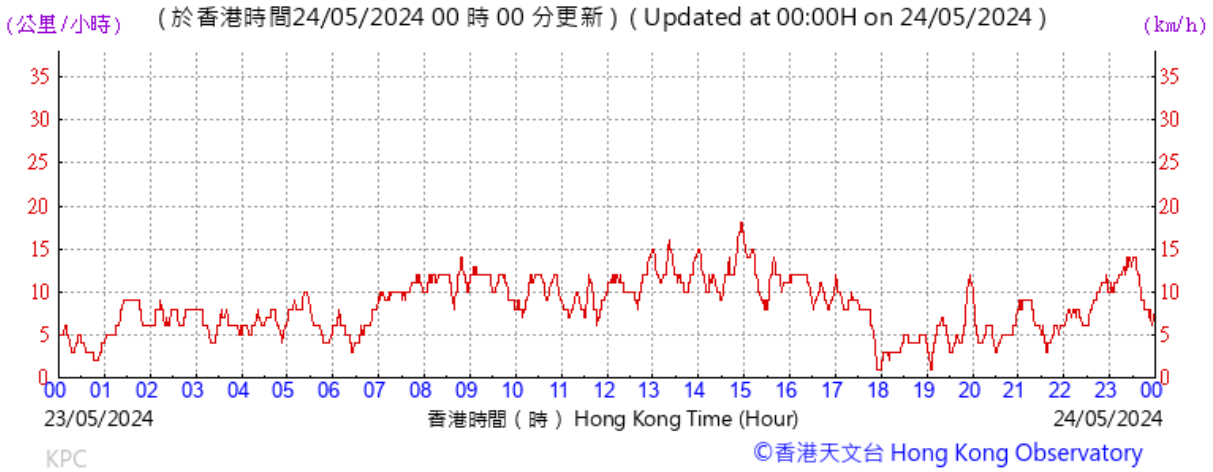

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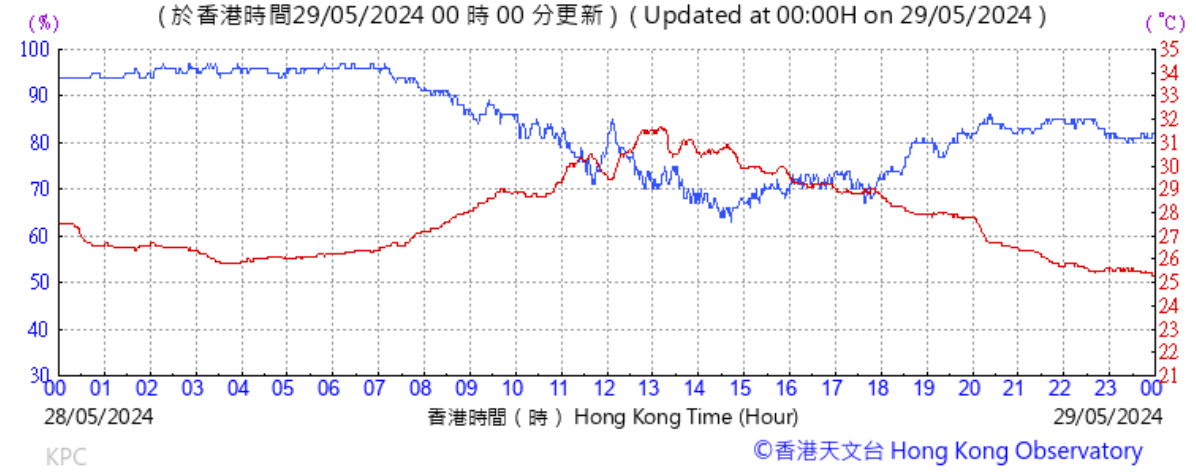

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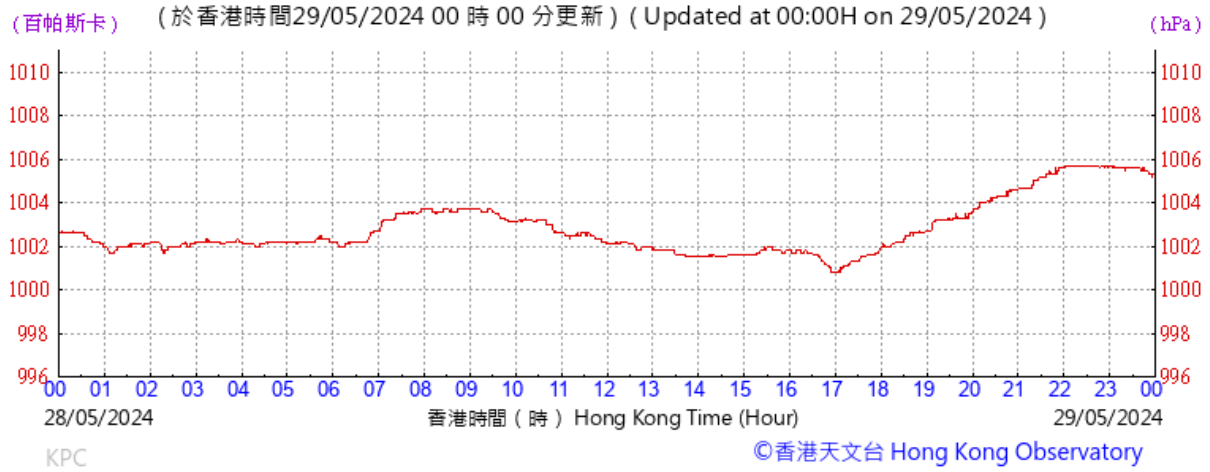

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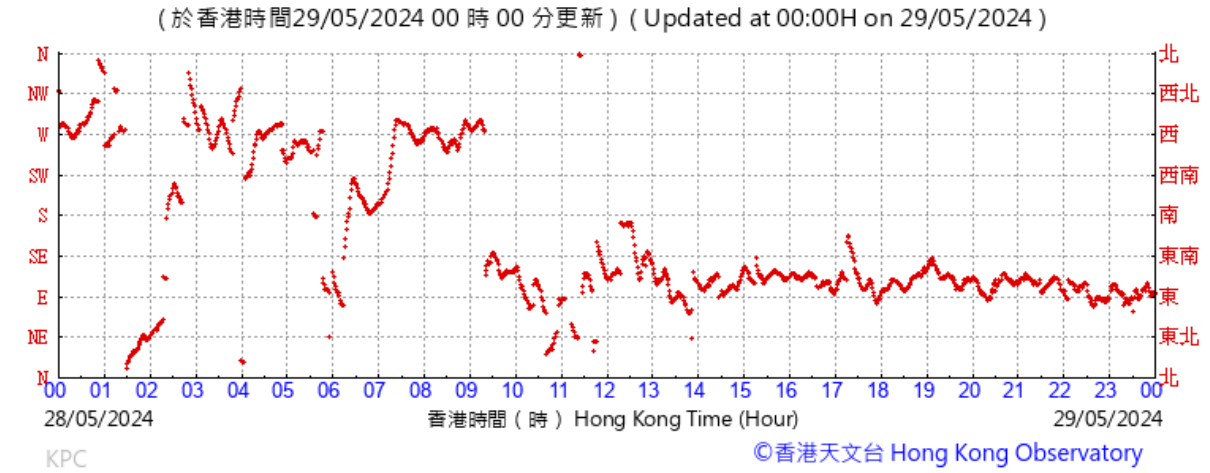

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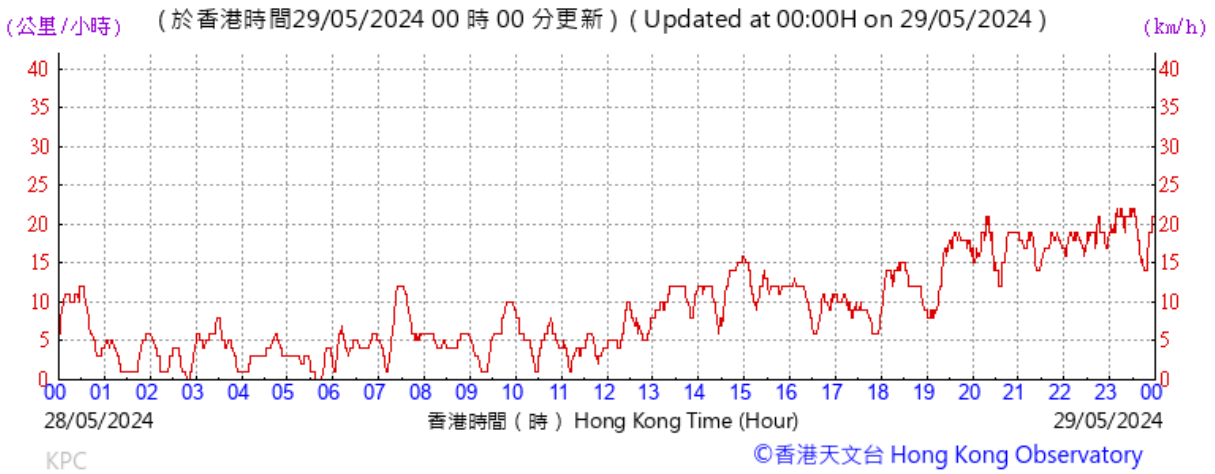

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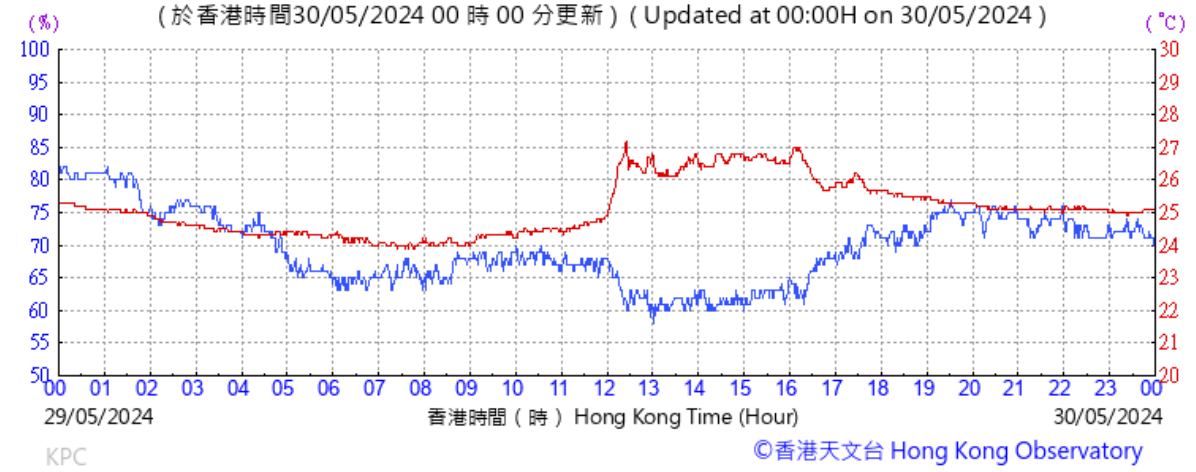

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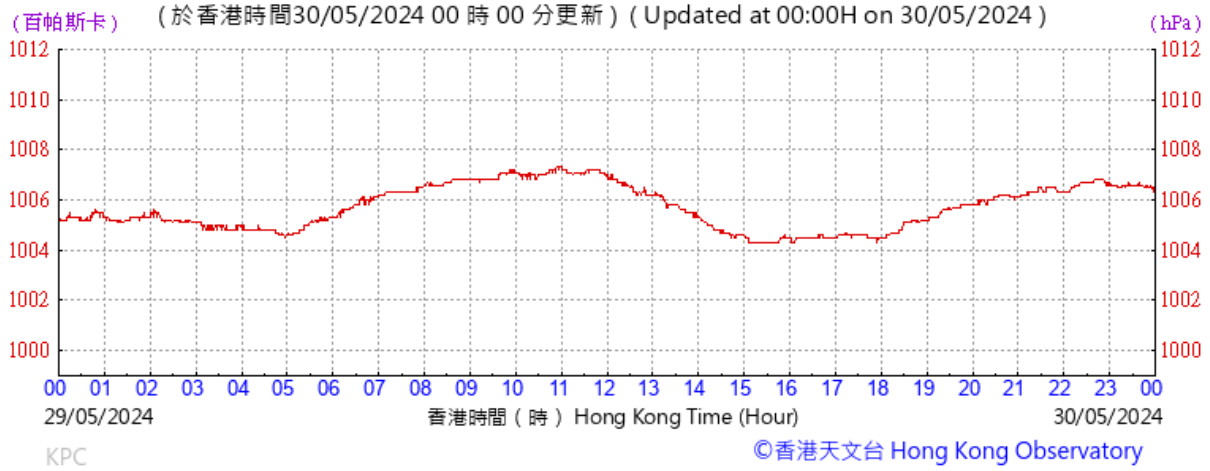

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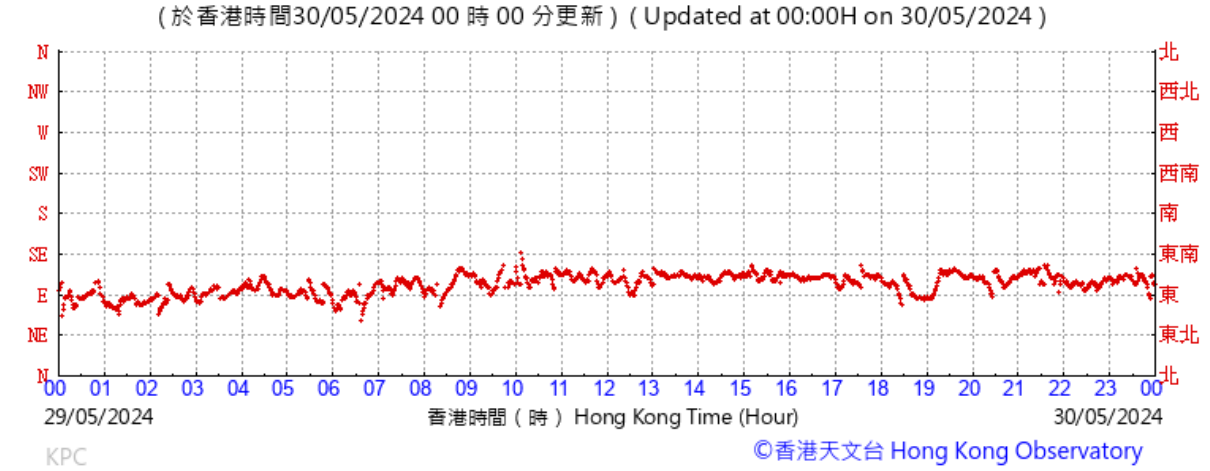

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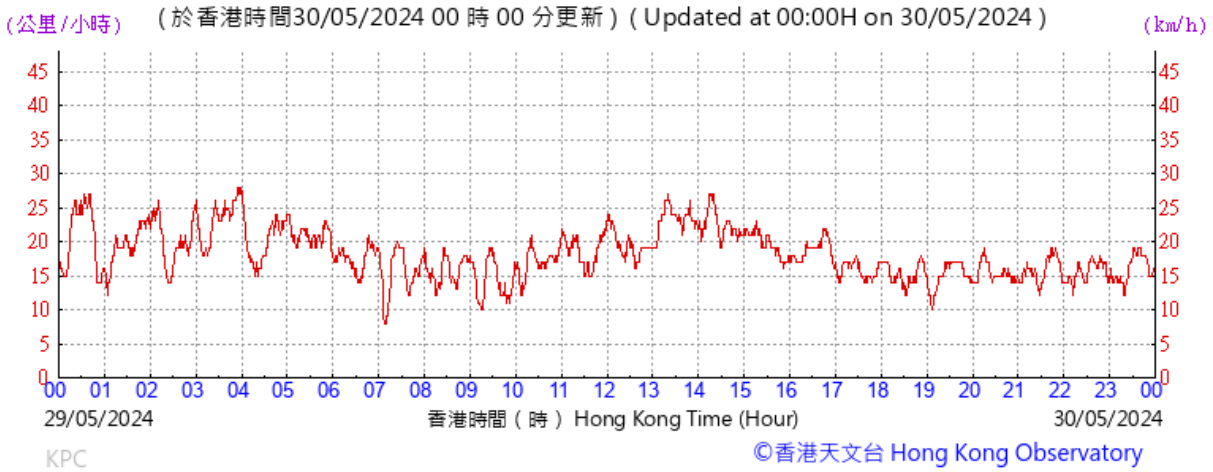

Extract of Meteorological Observations for King's Park Automatic Weather Station, June, 2024

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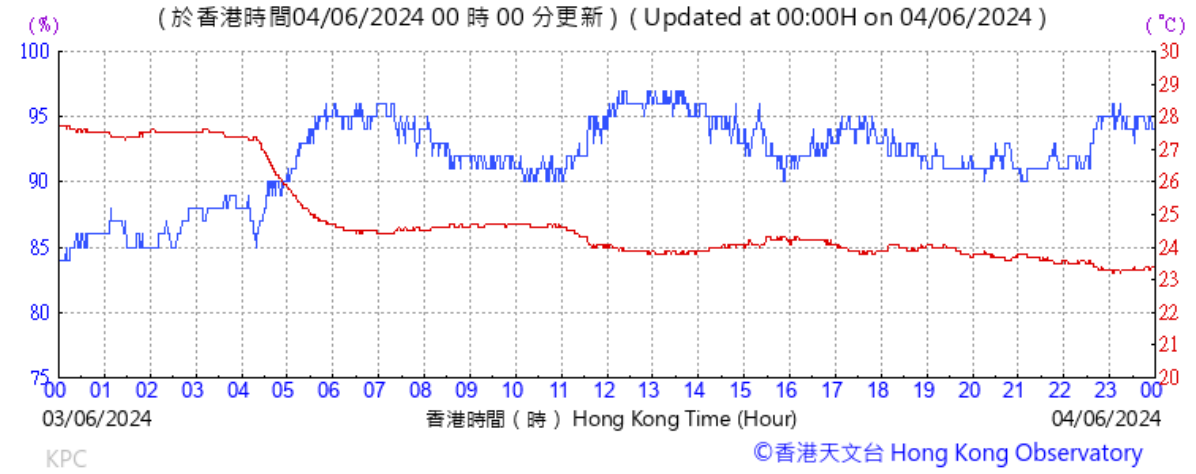

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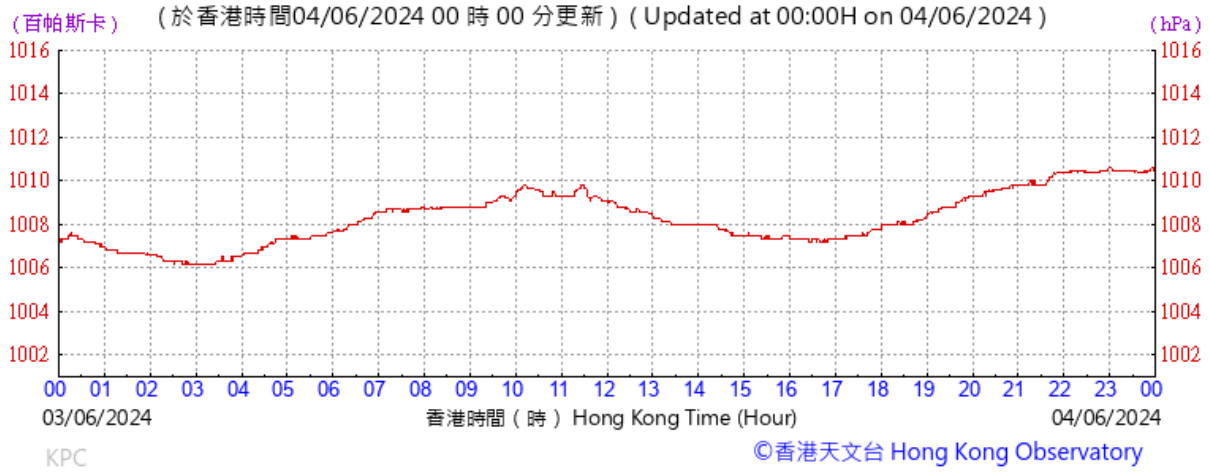

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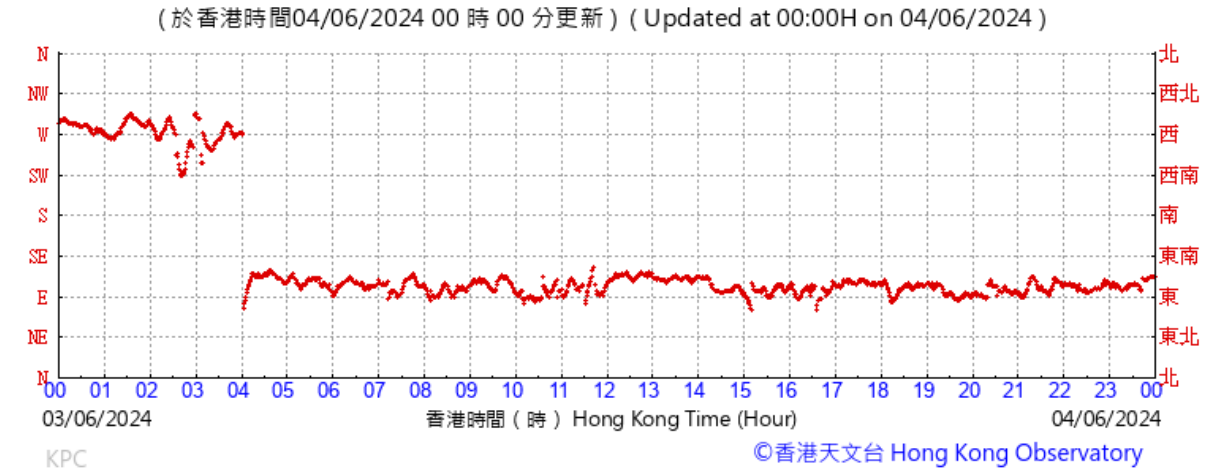

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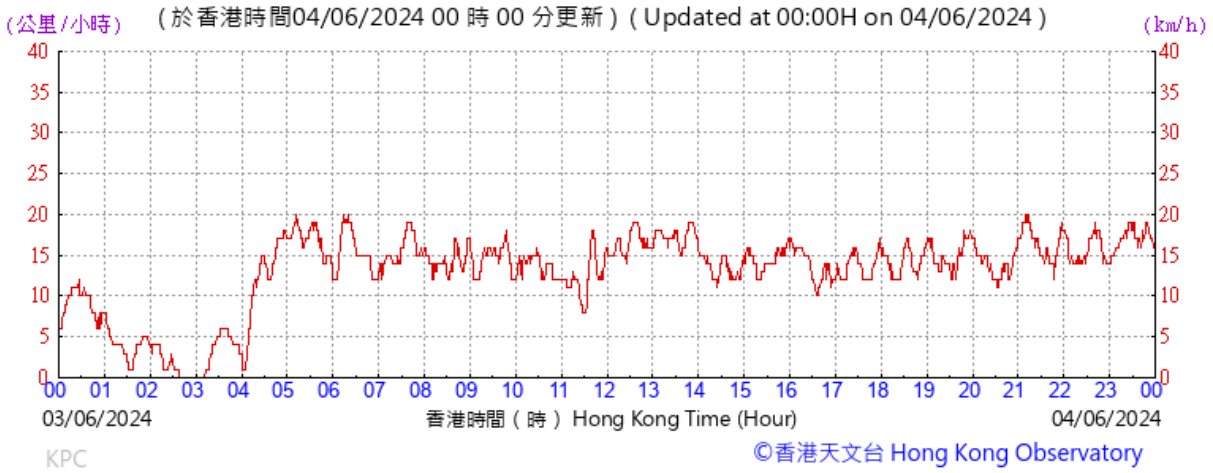

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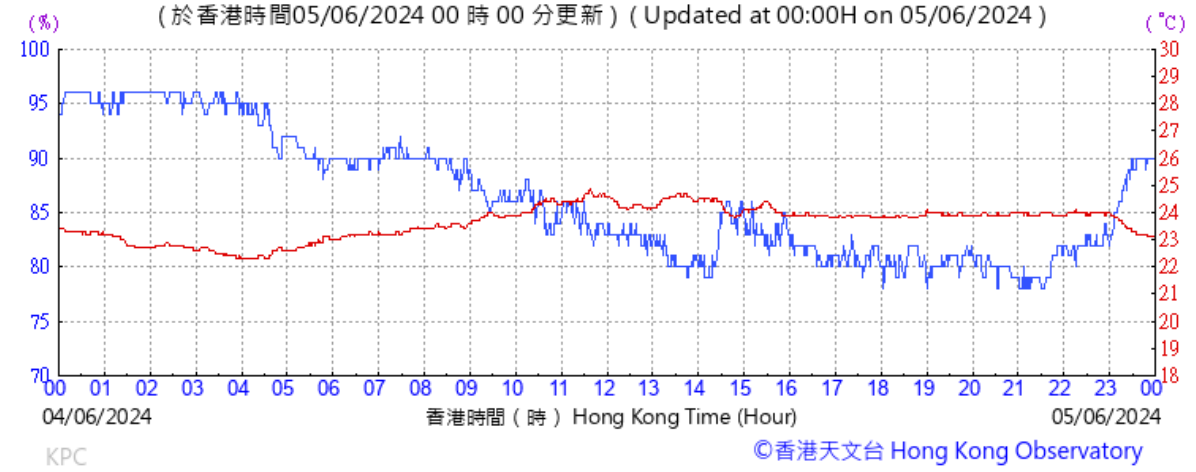

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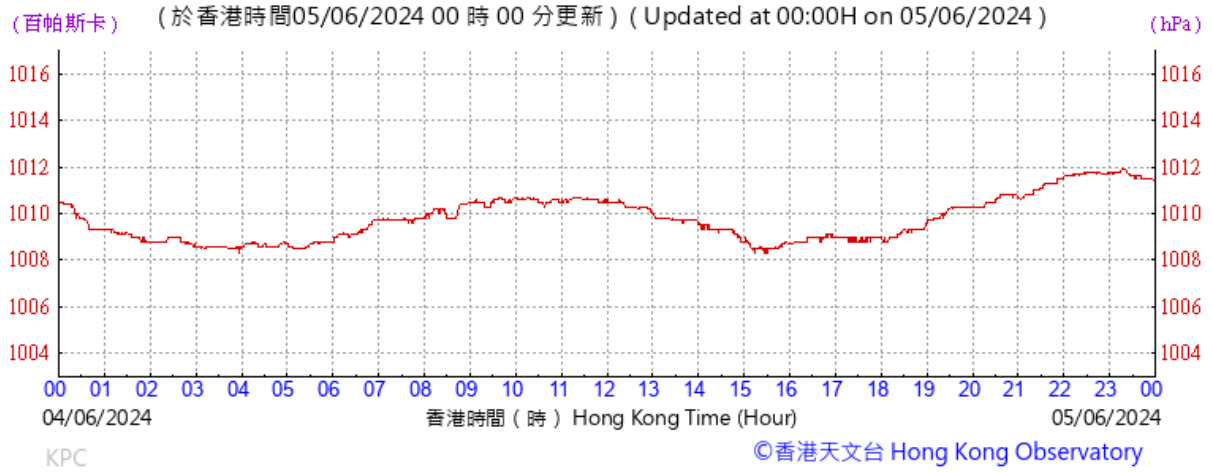

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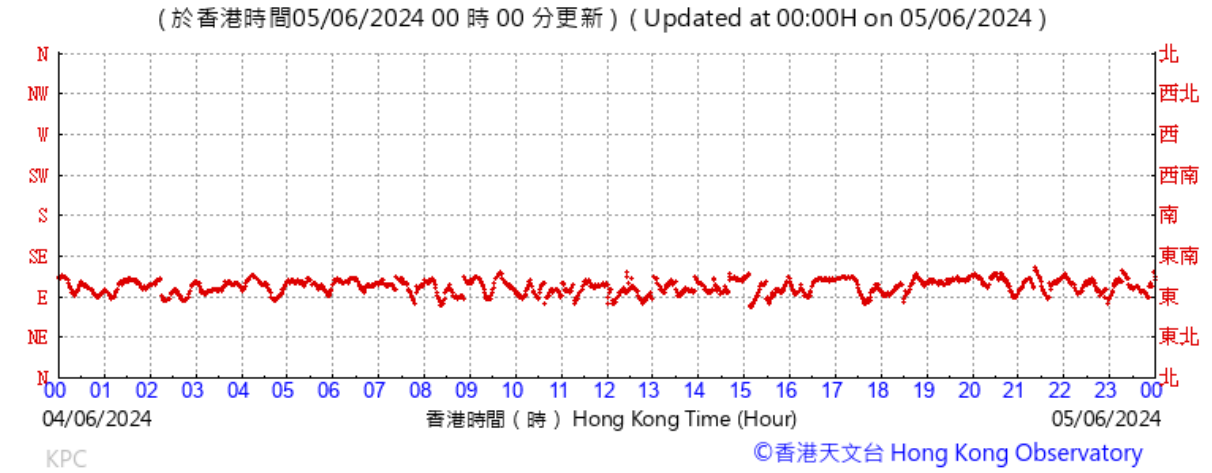

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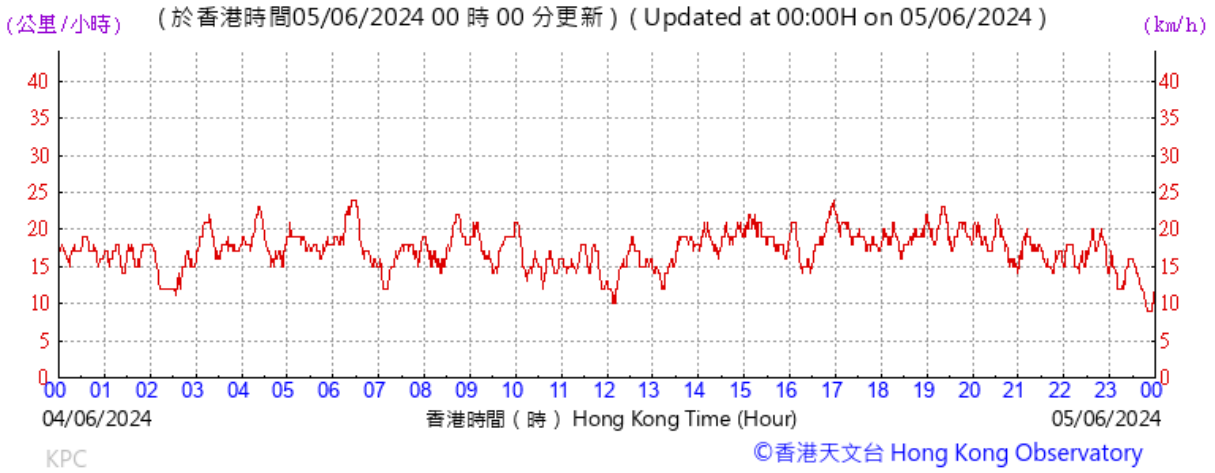

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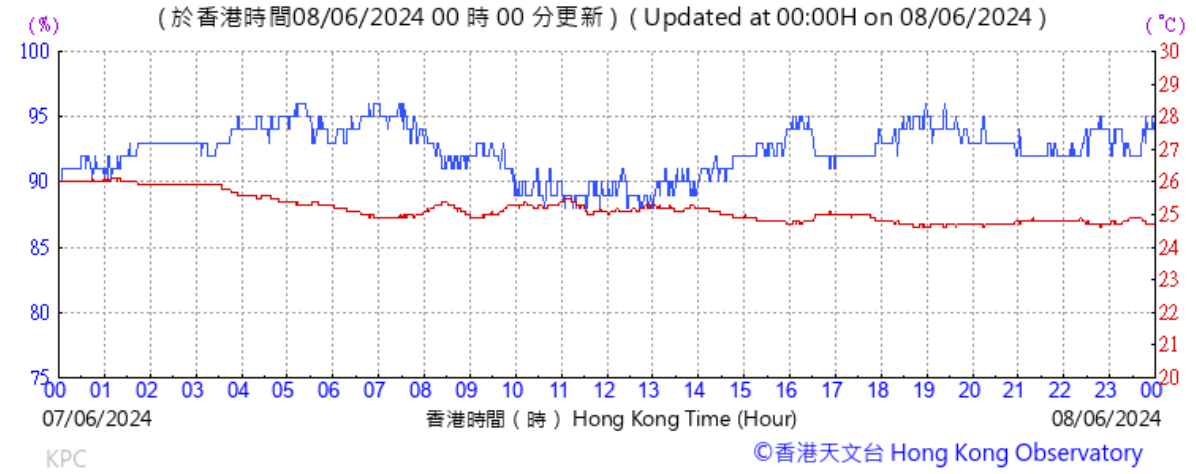

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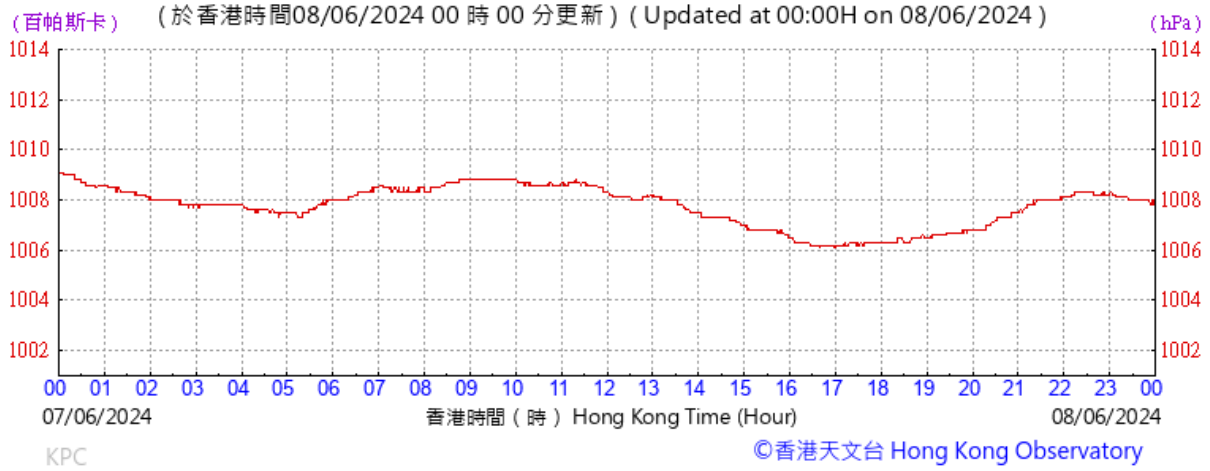

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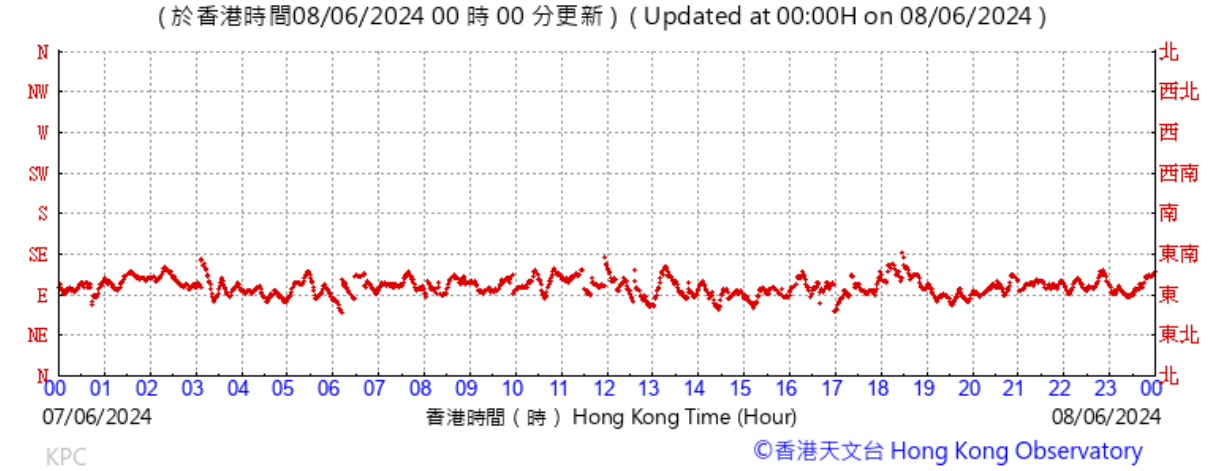

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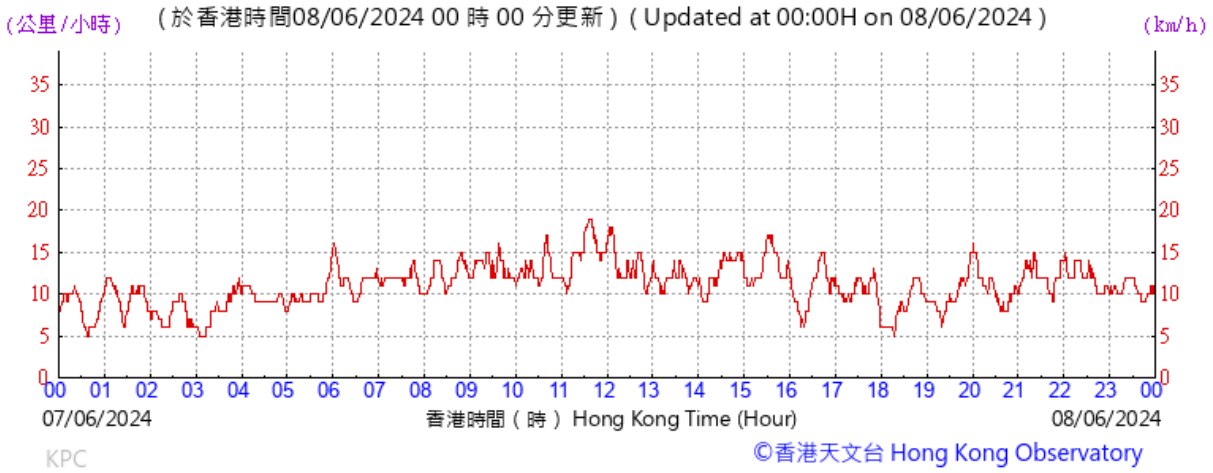

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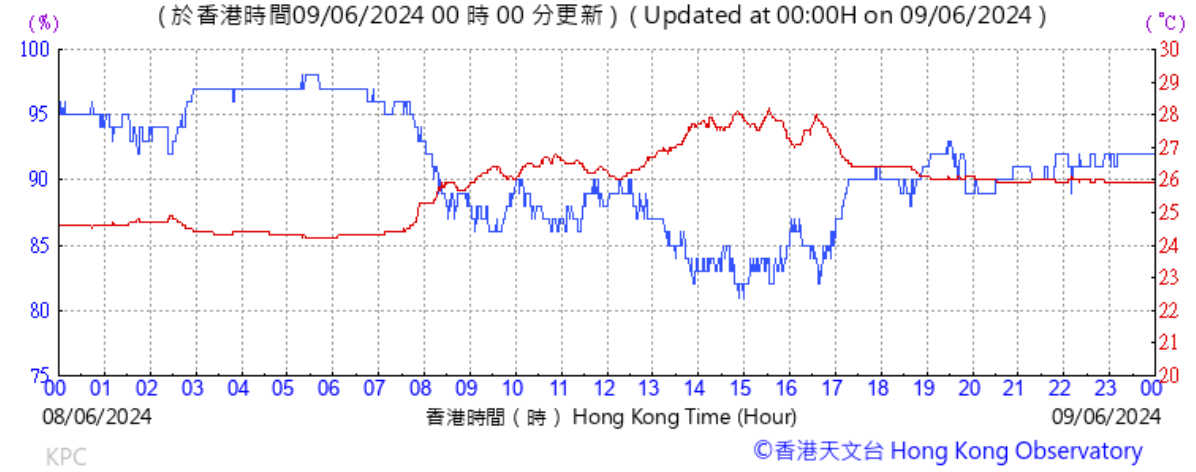

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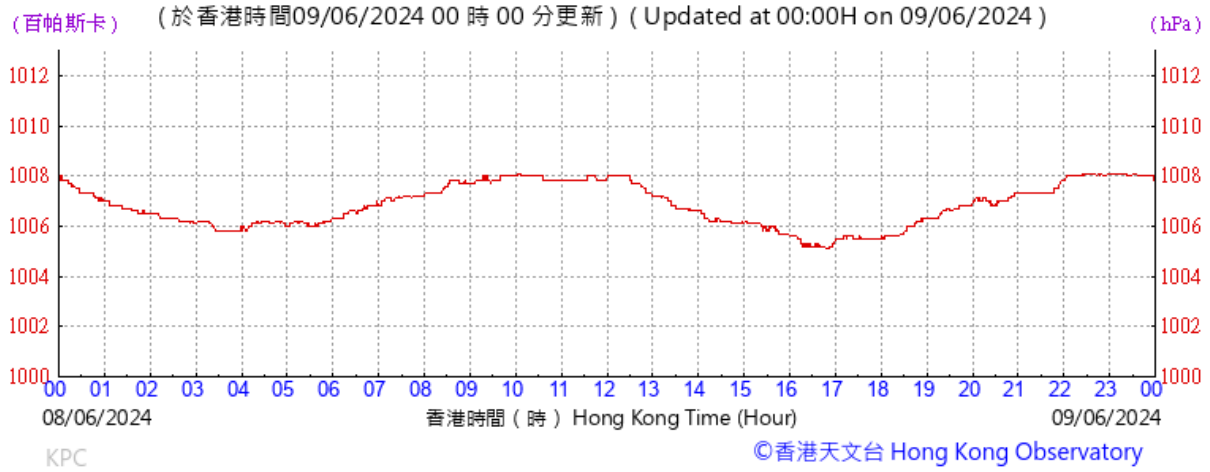

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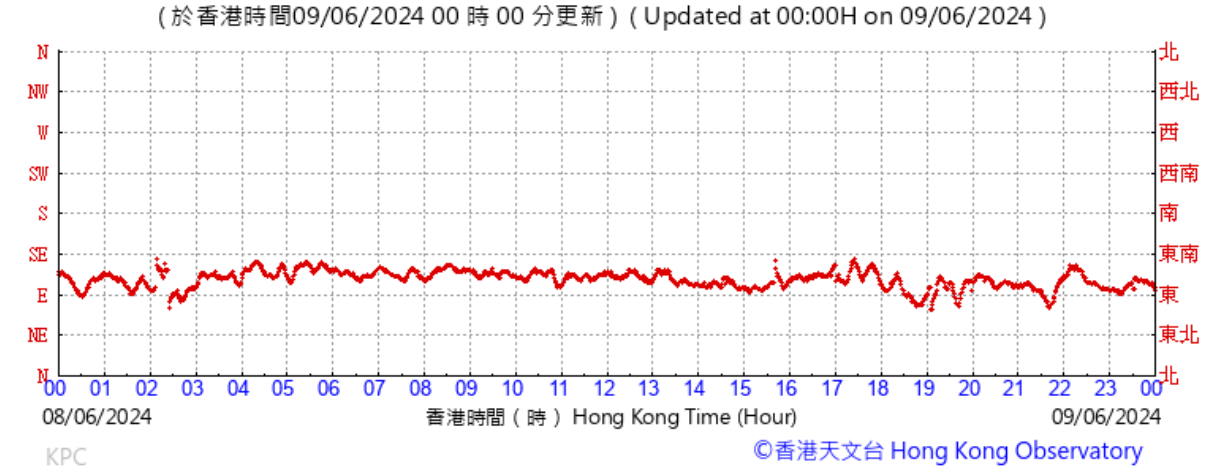

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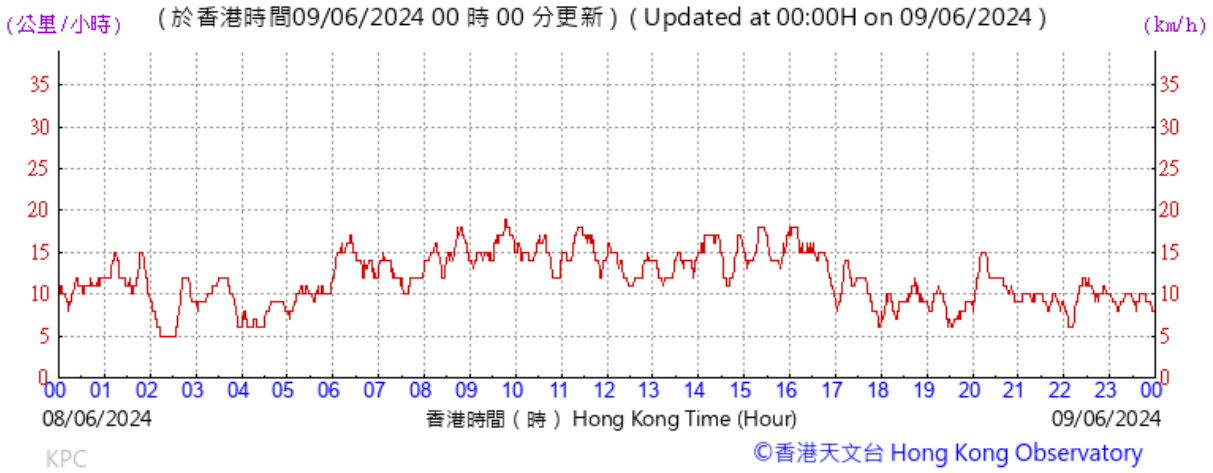

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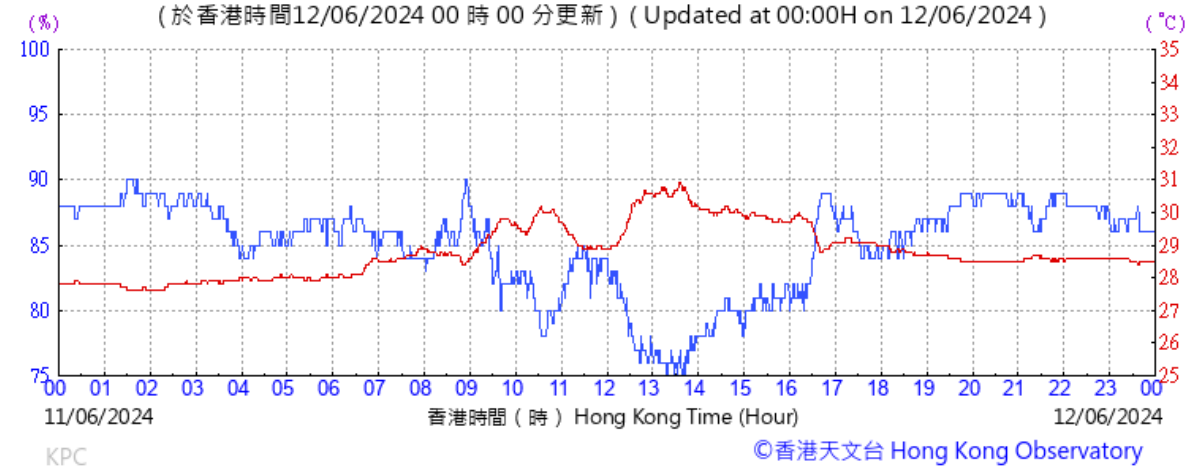

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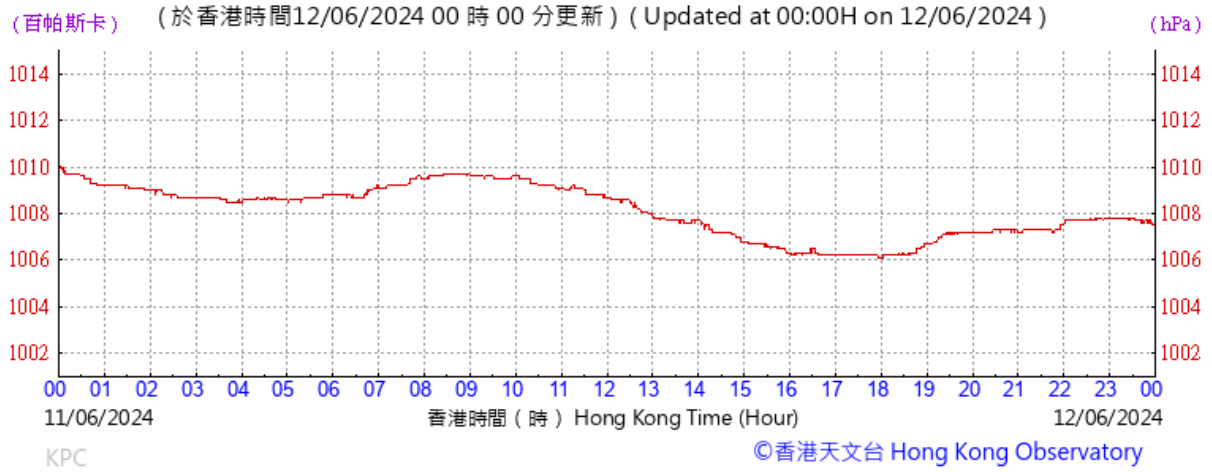

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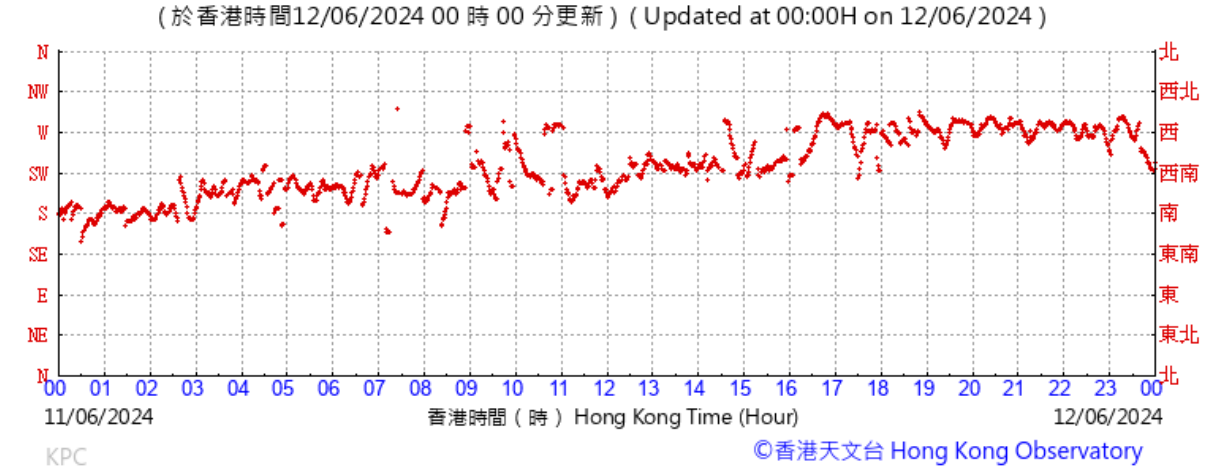

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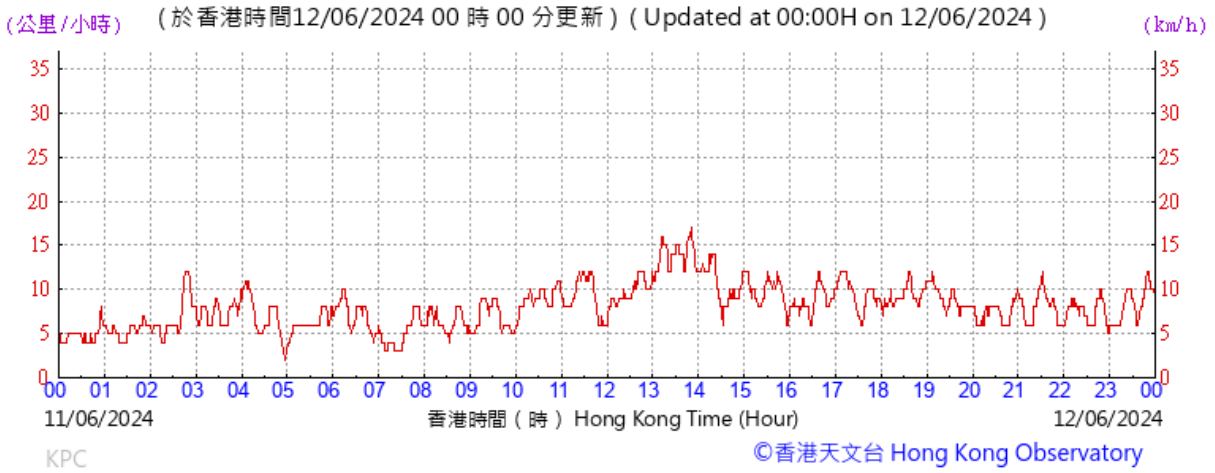

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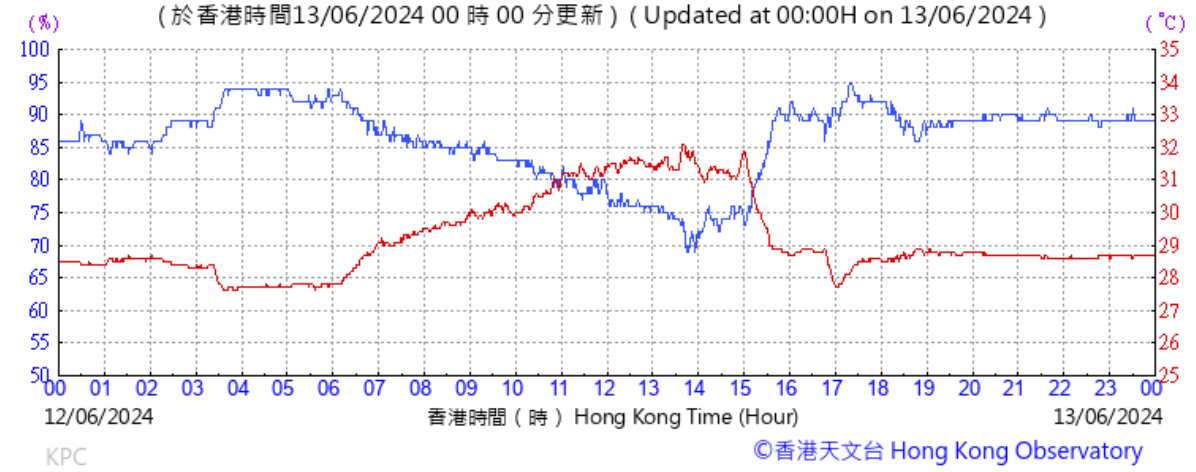

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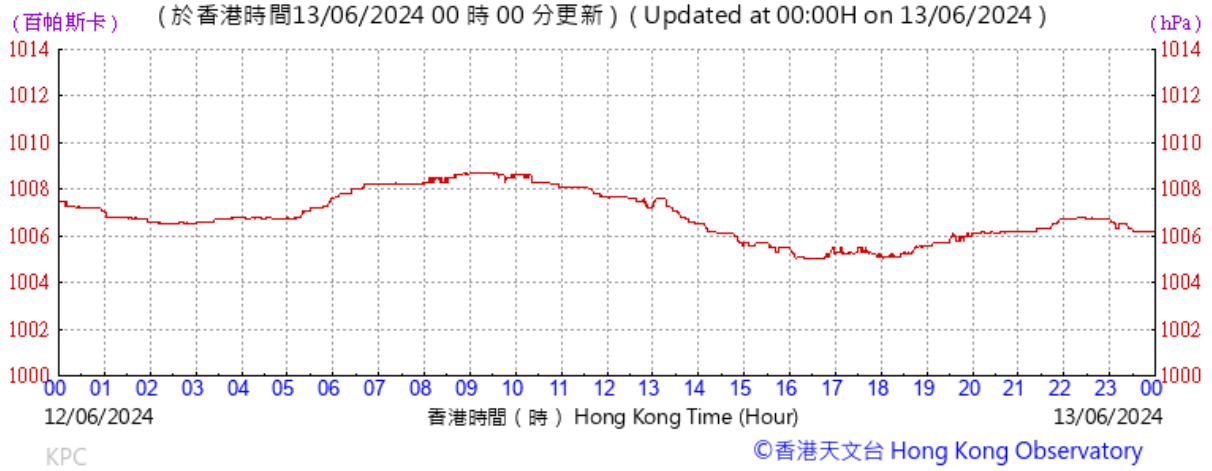

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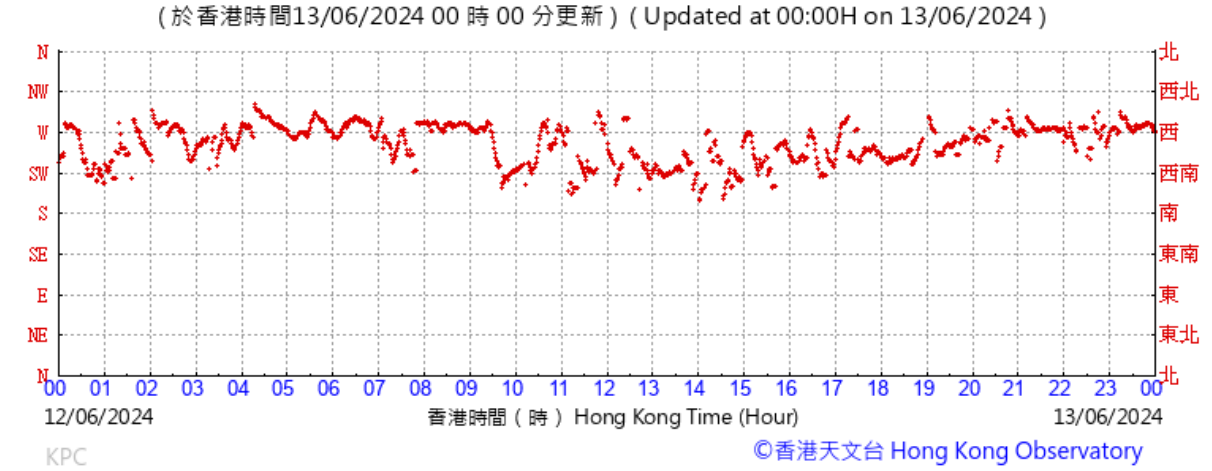

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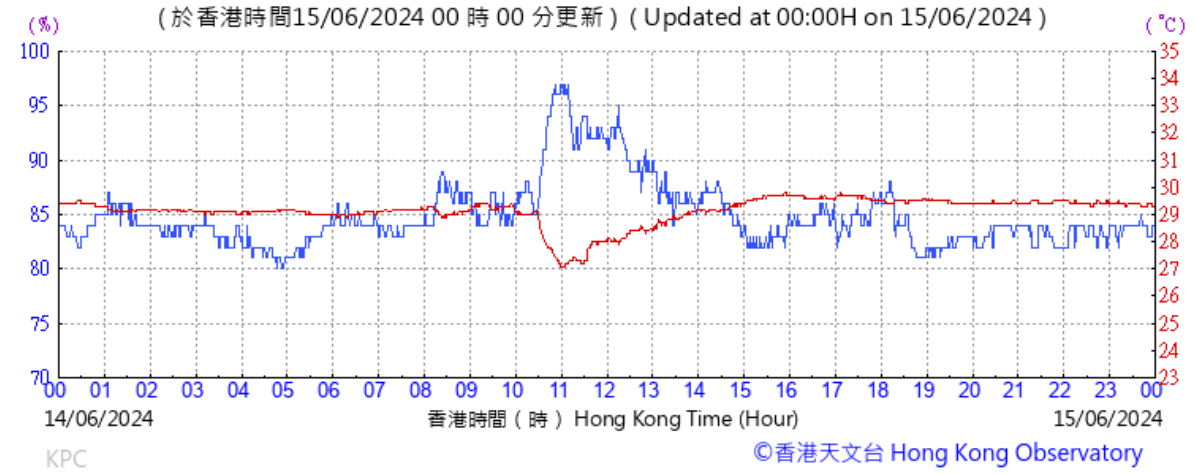

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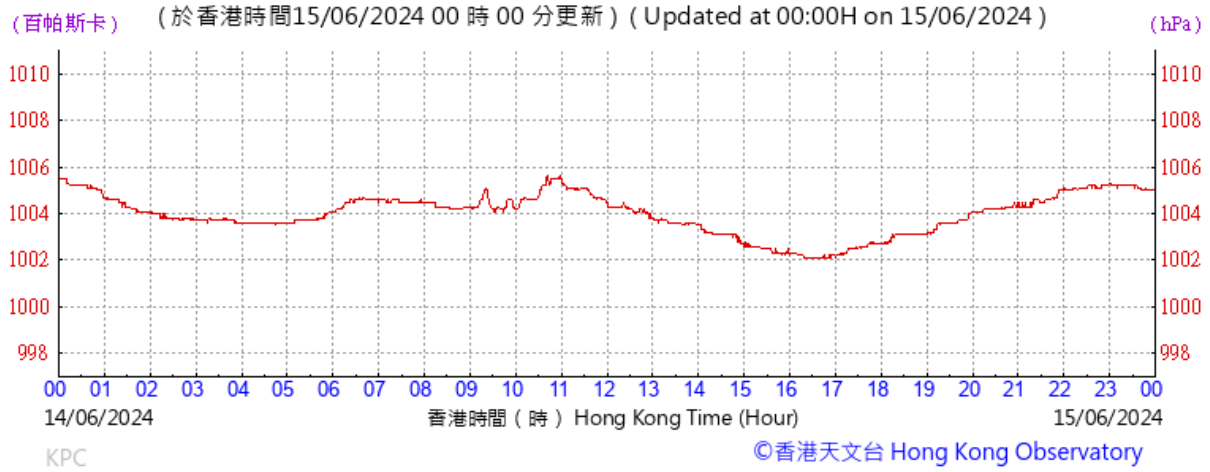

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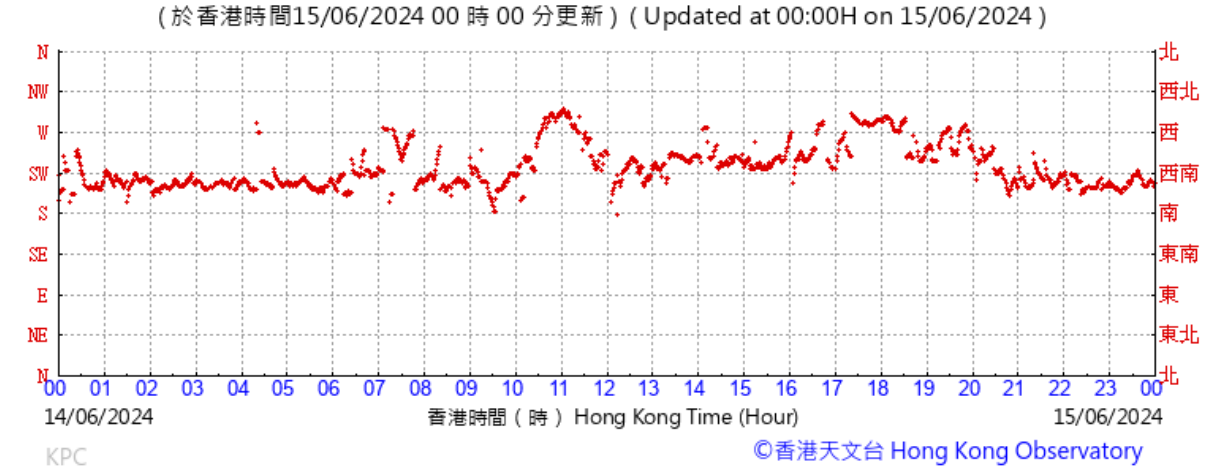

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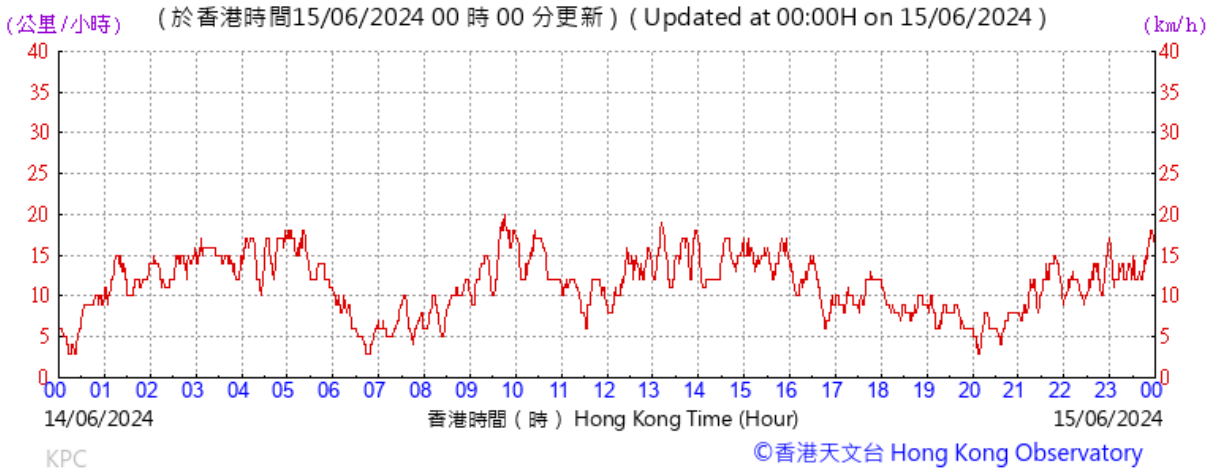

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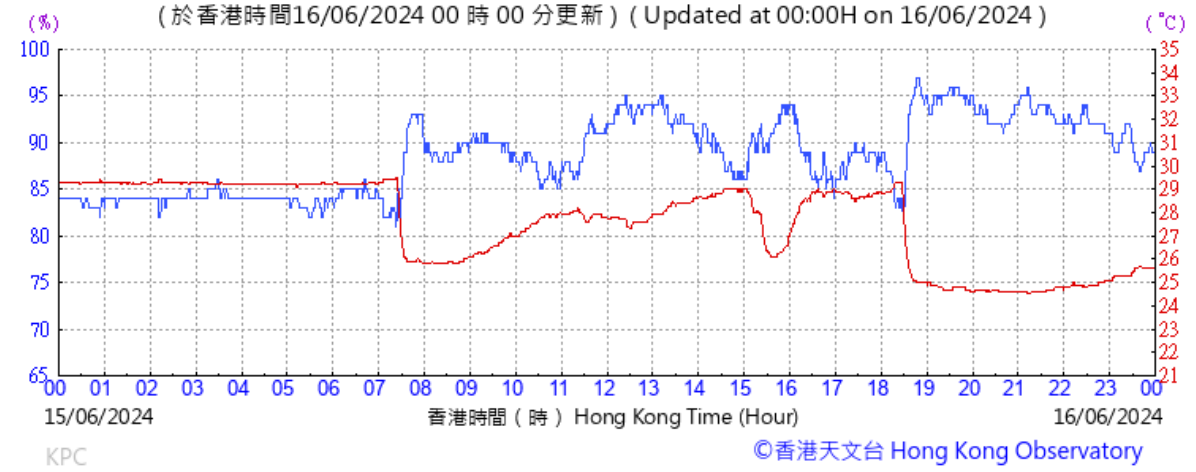

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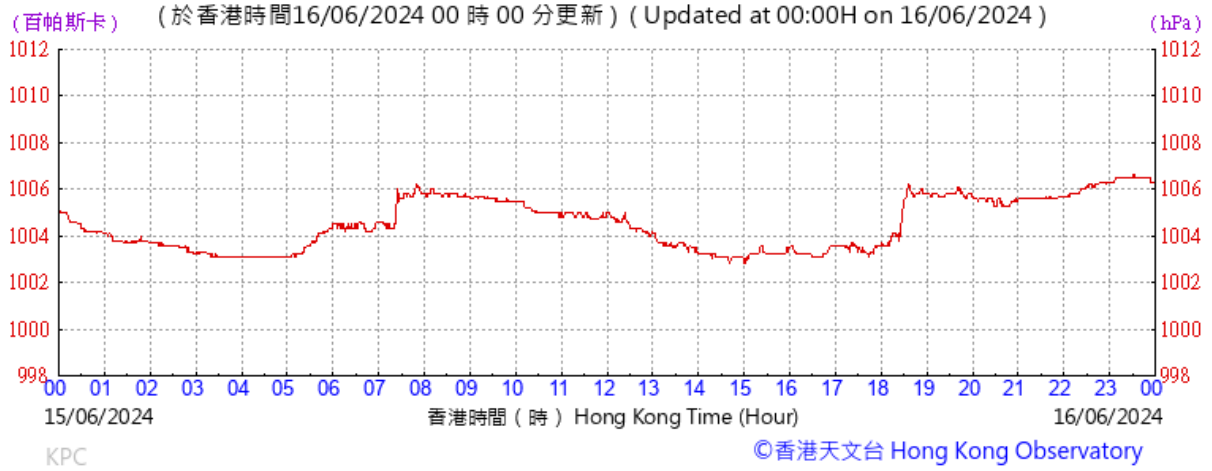

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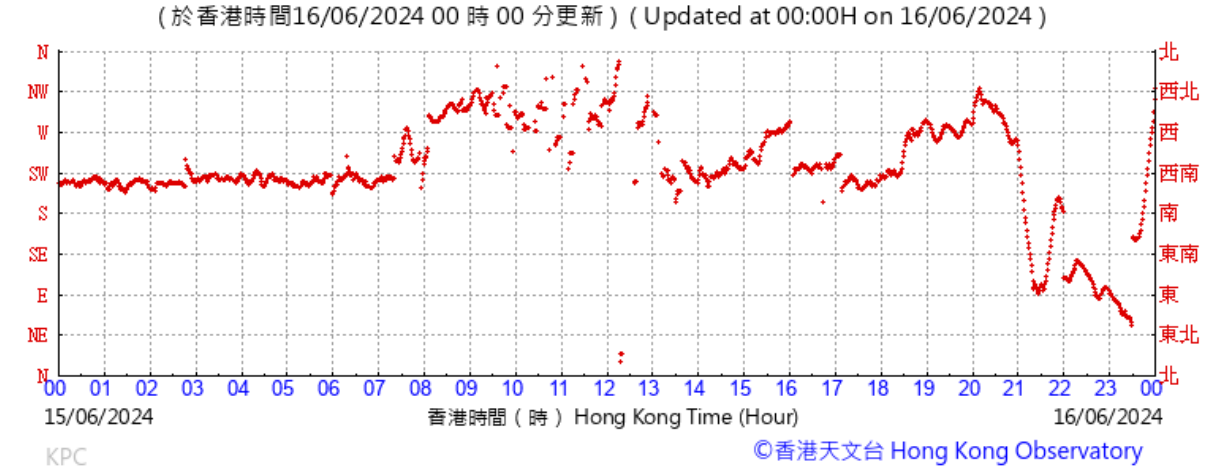

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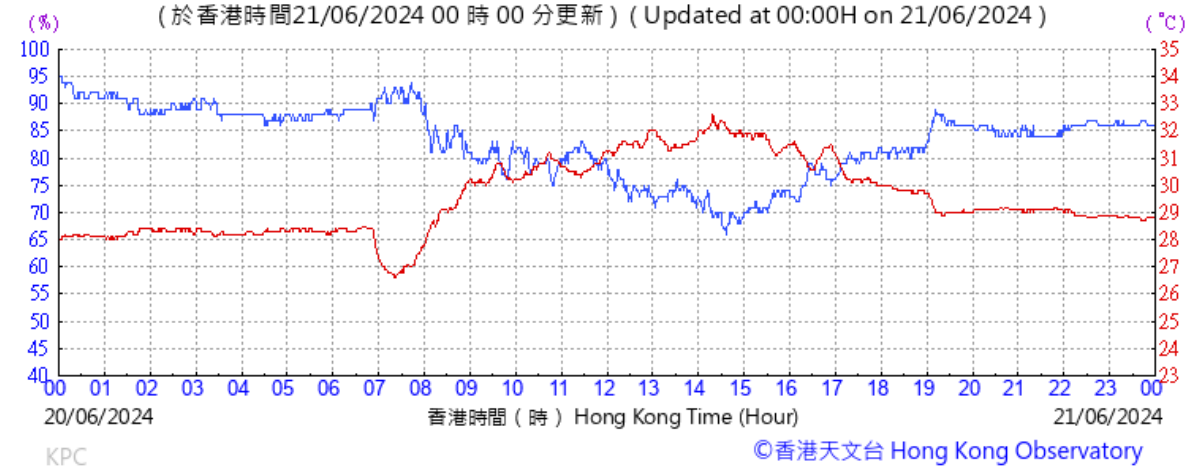

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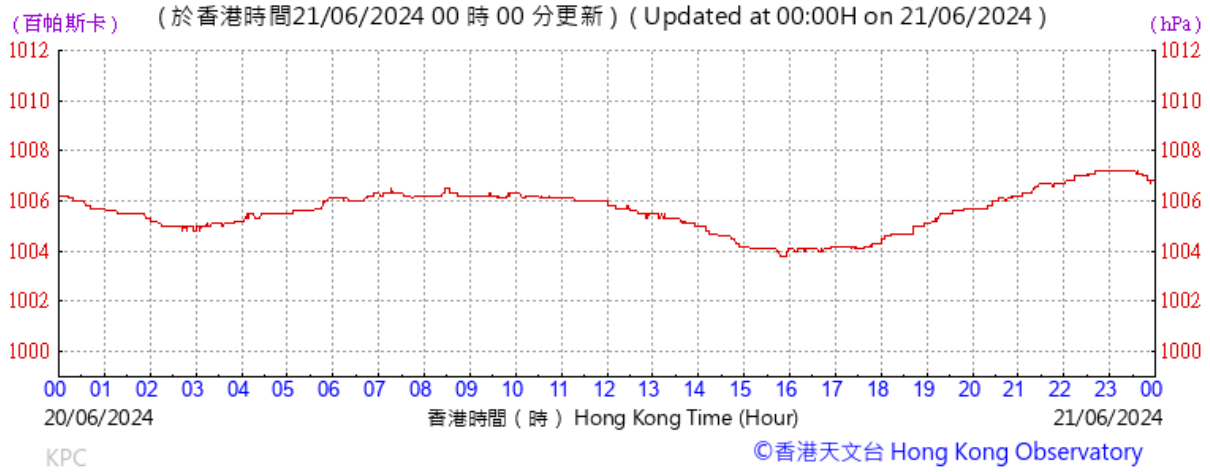

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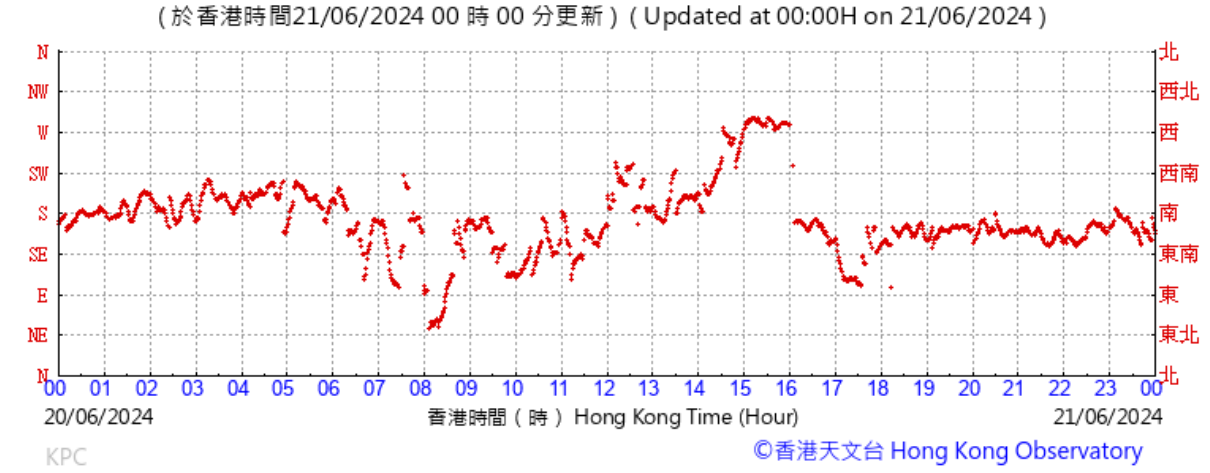

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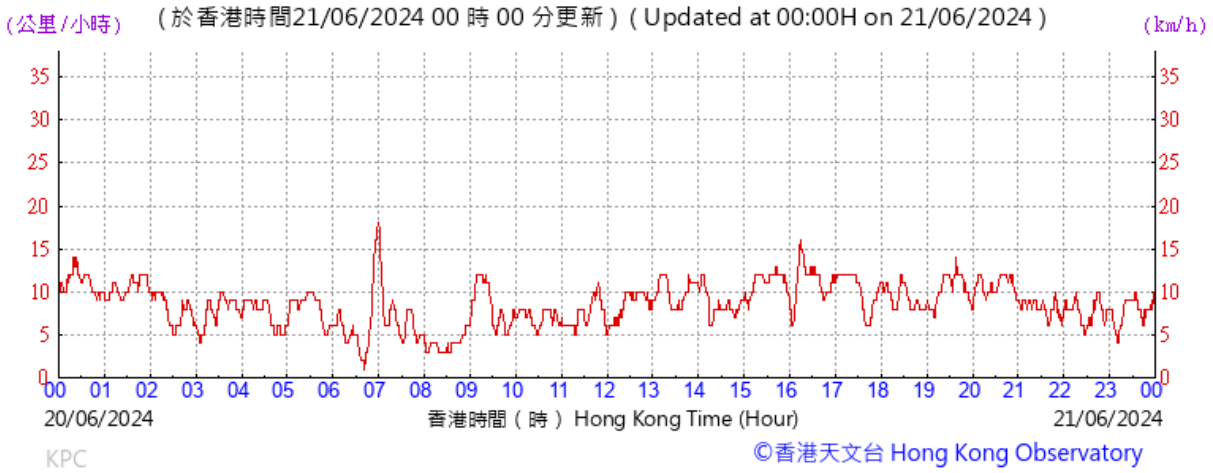

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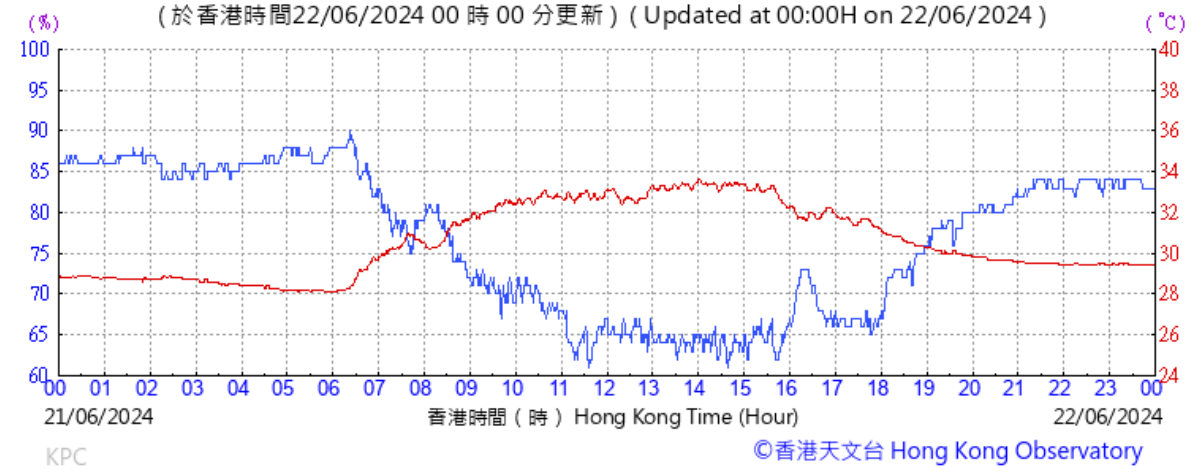

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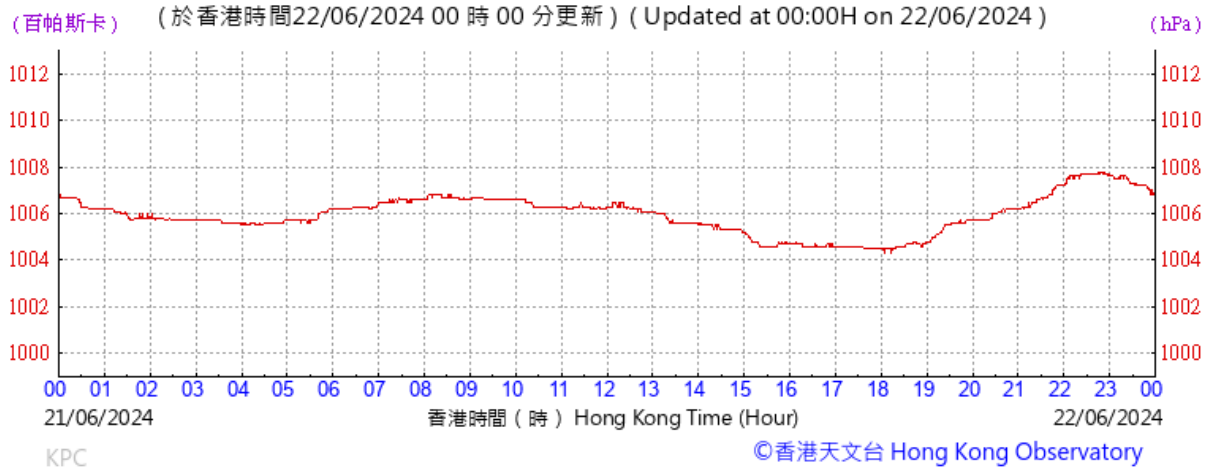

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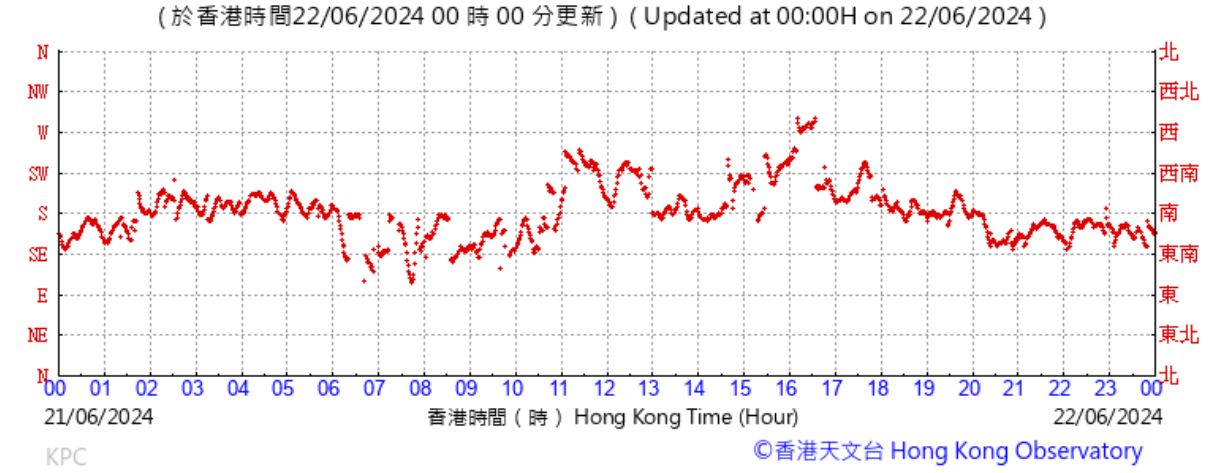

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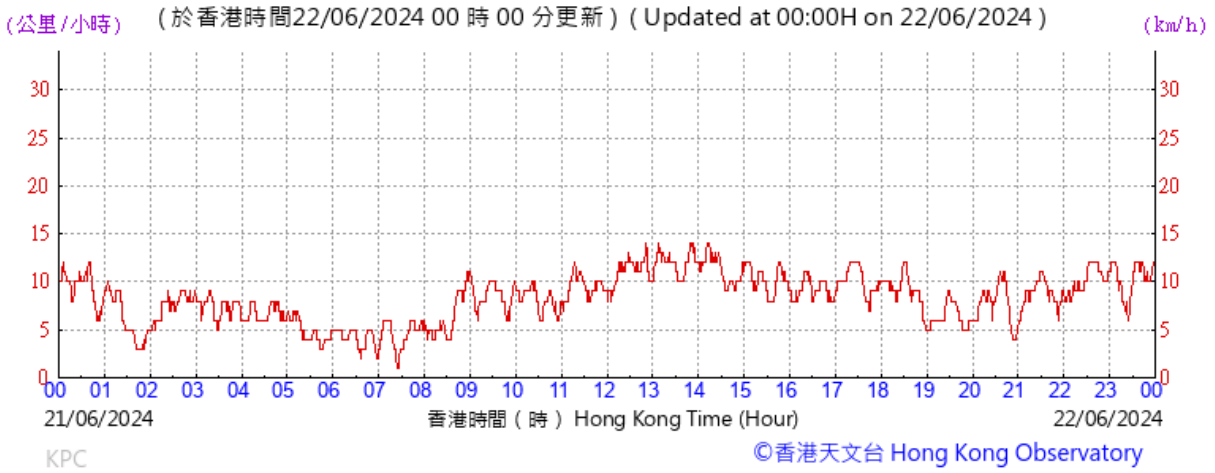

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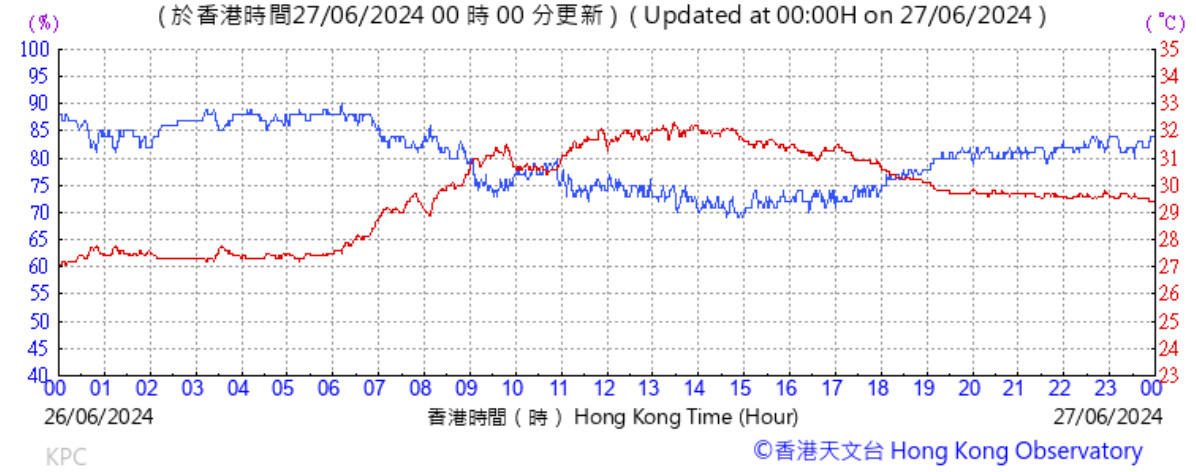

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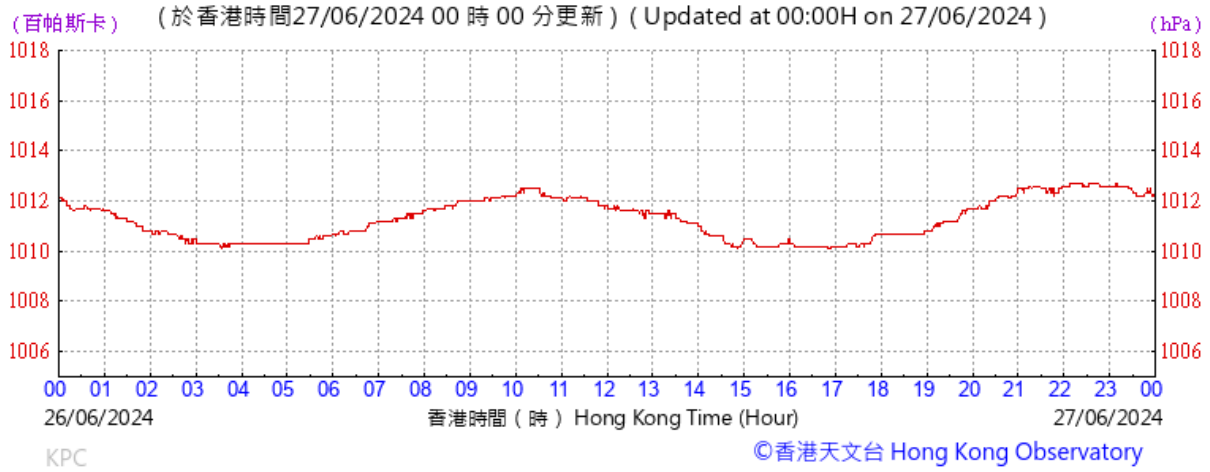

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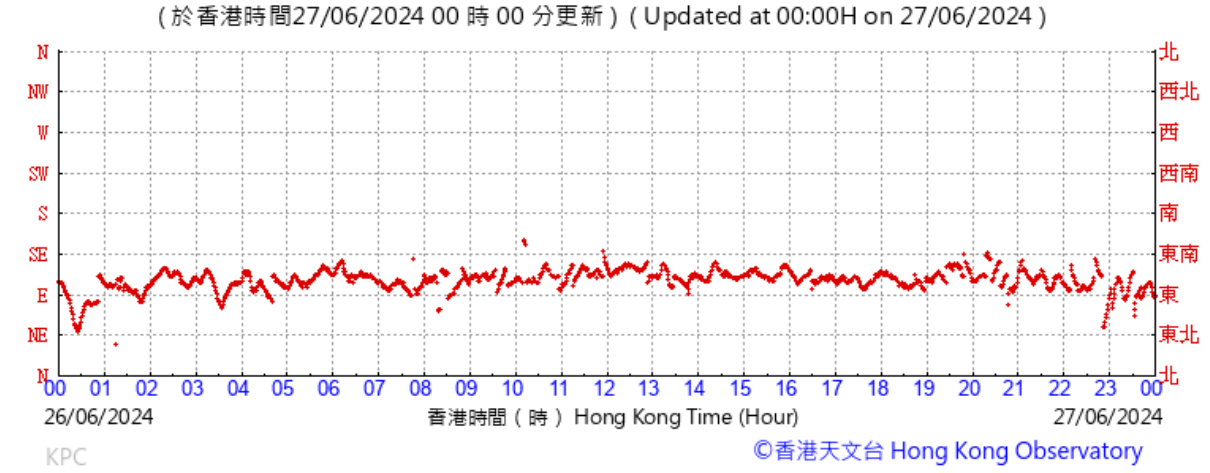

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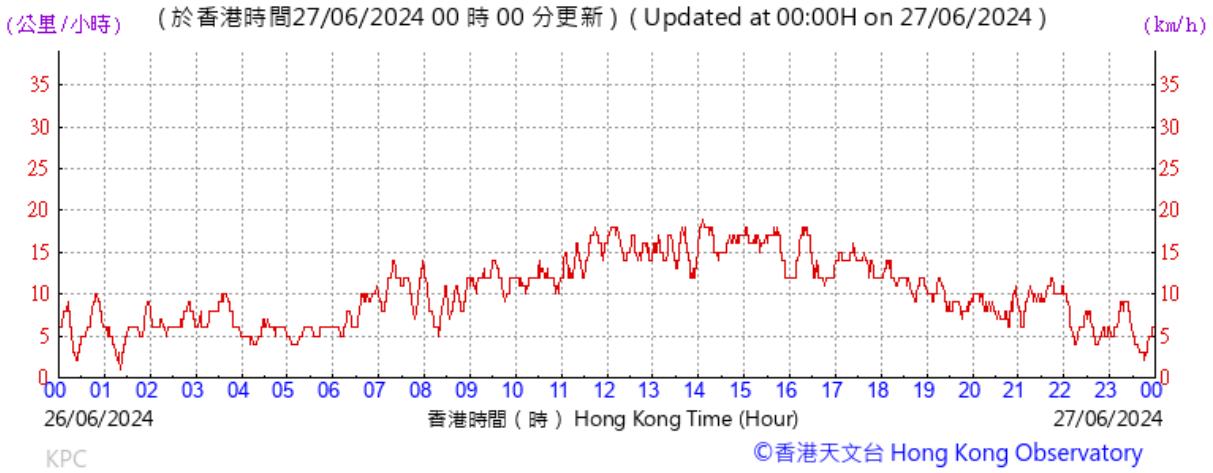

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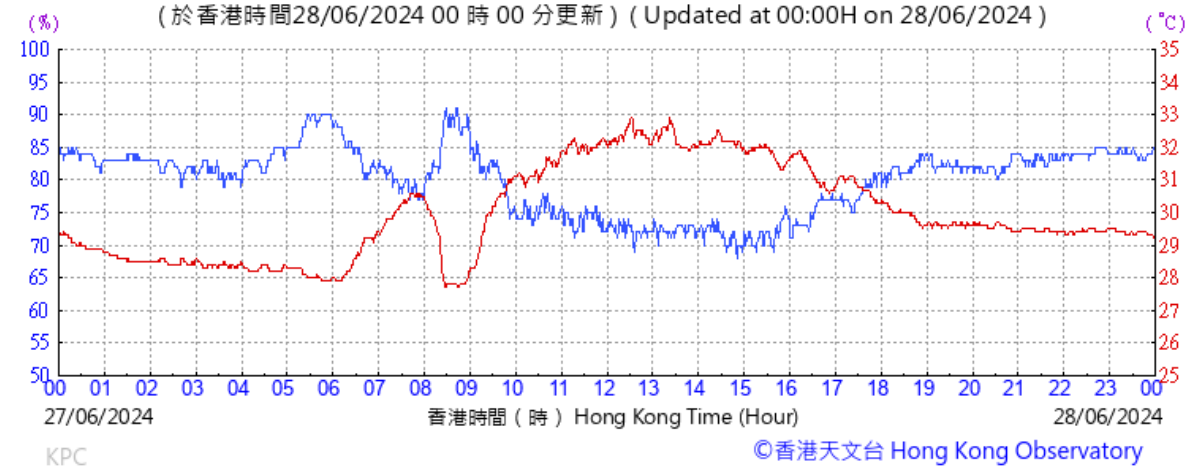

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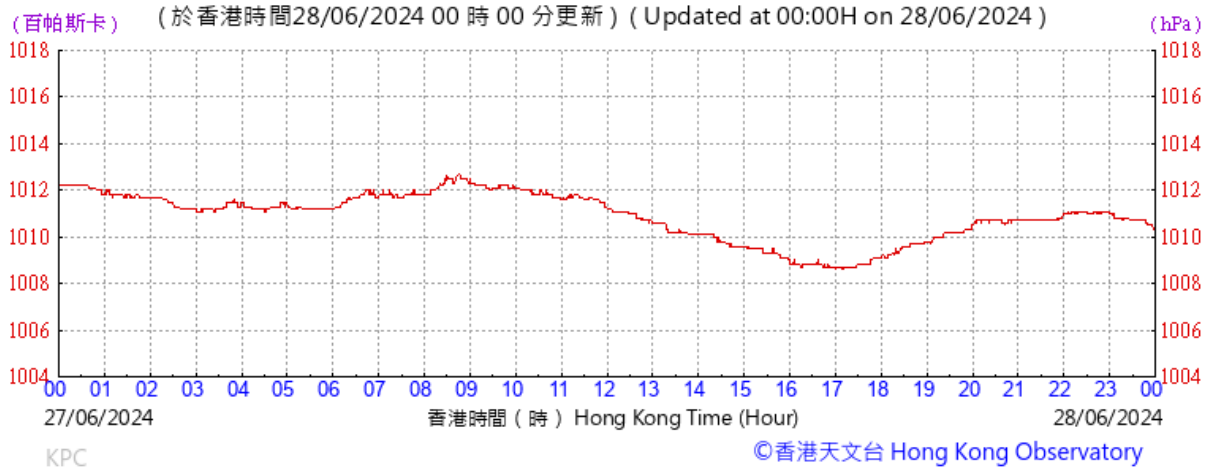

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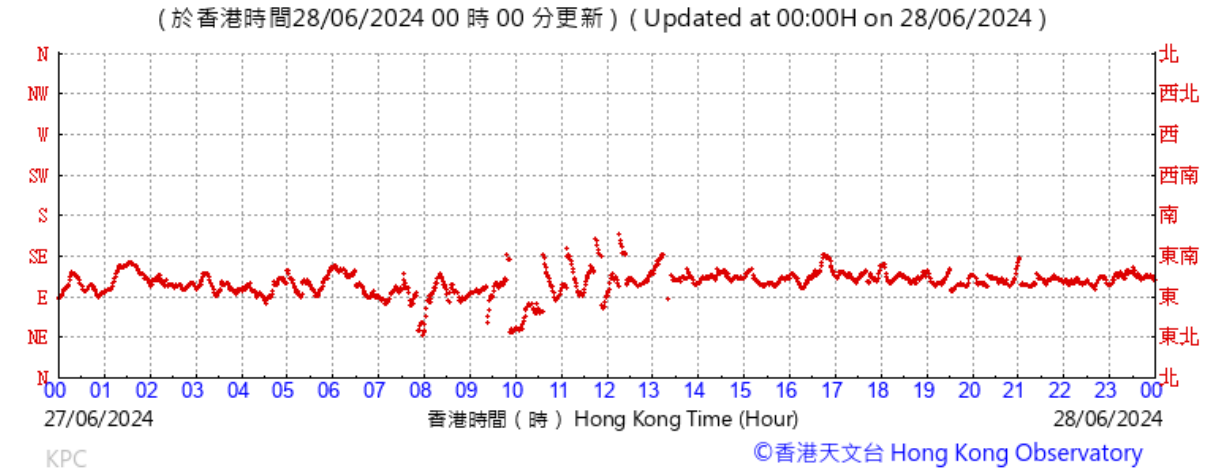

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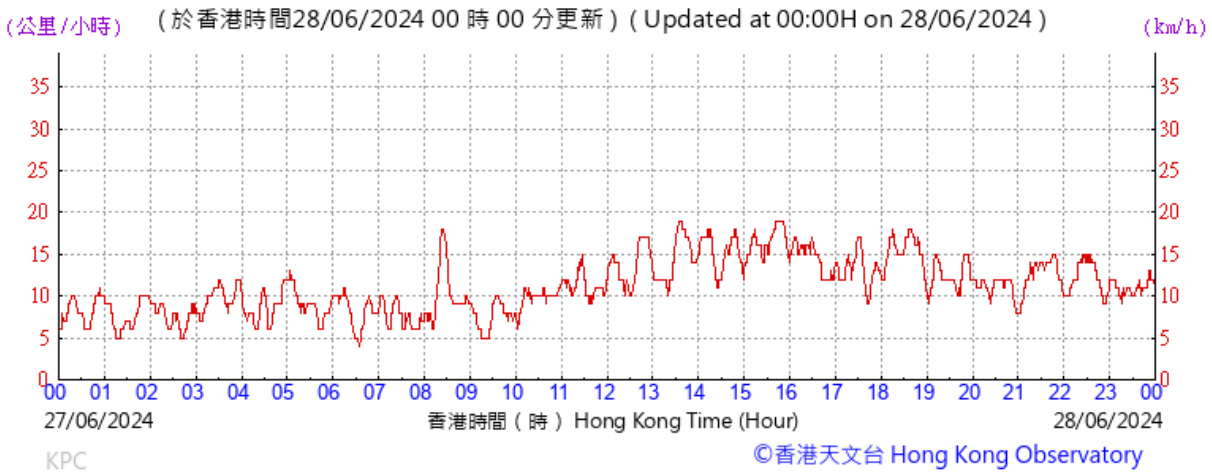
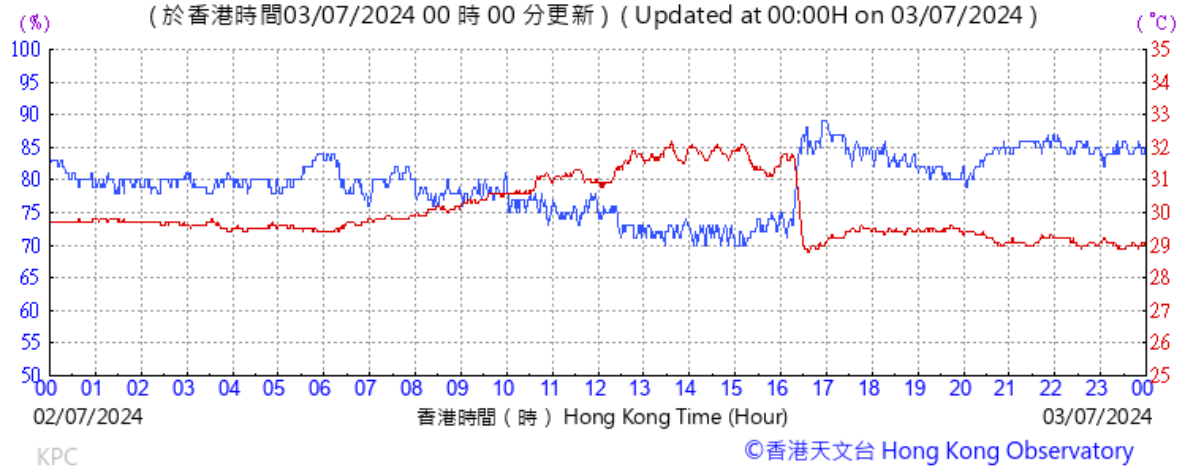


Extract of Meteorological Observations for King's Park Automatic Weather Station, July, 2024

Tempearture/Humidity:



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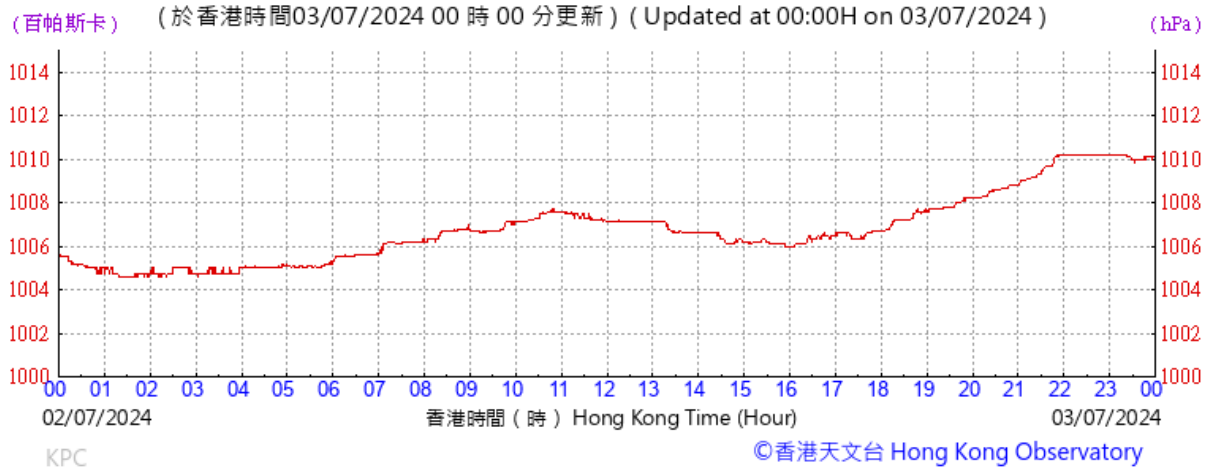

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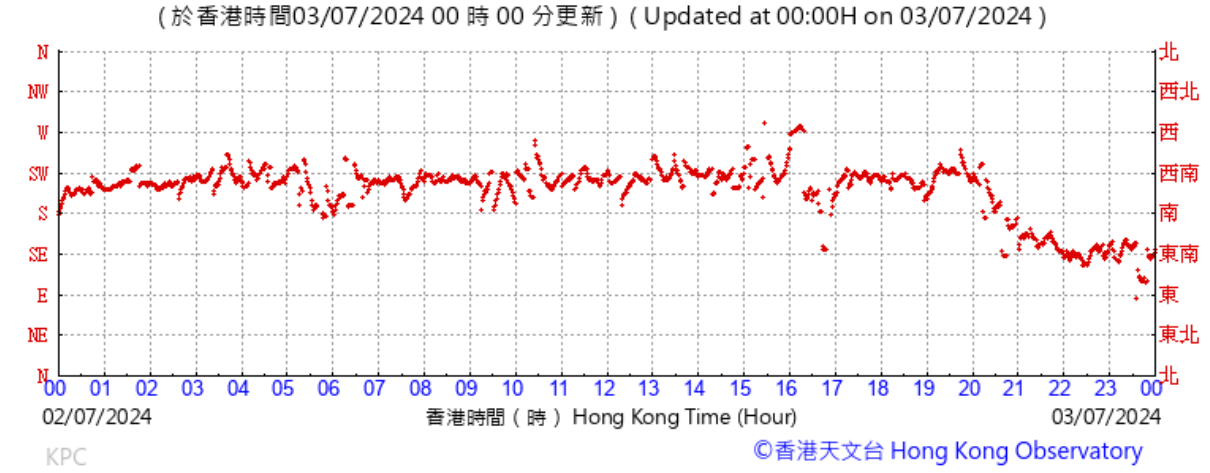

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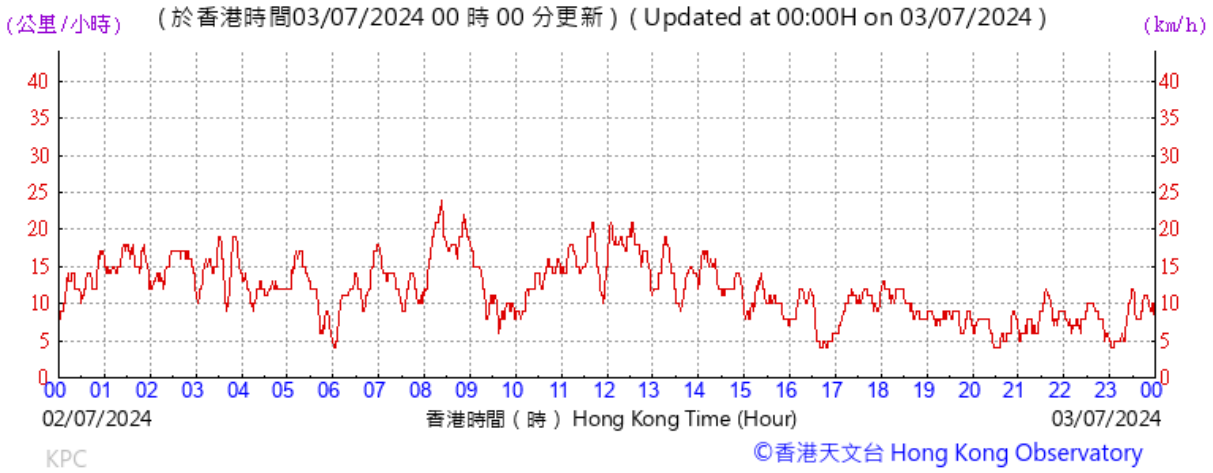

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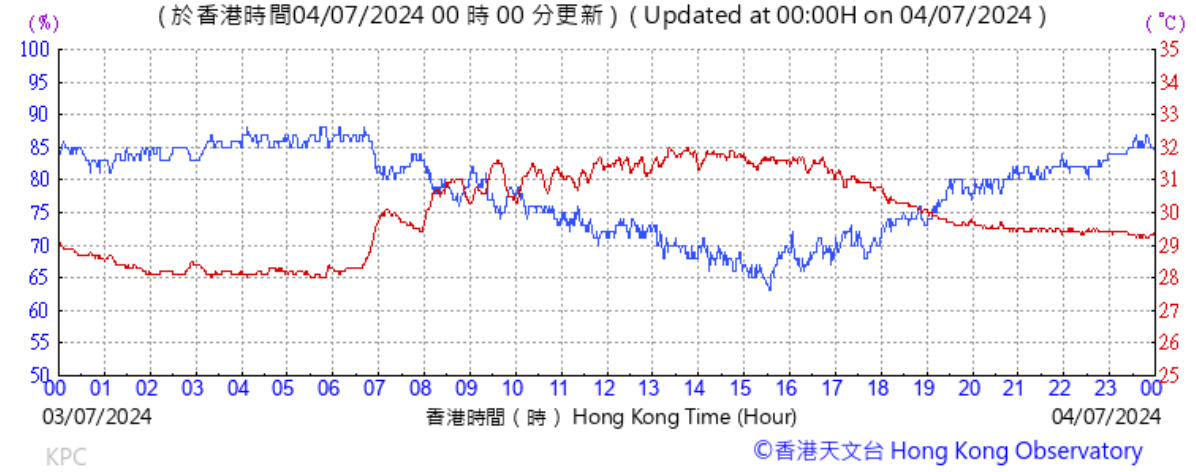

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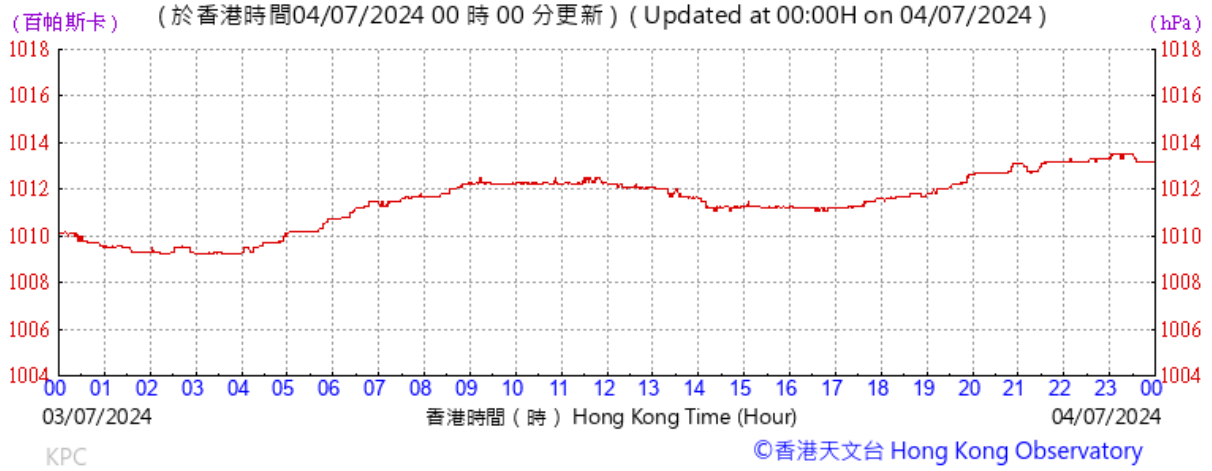

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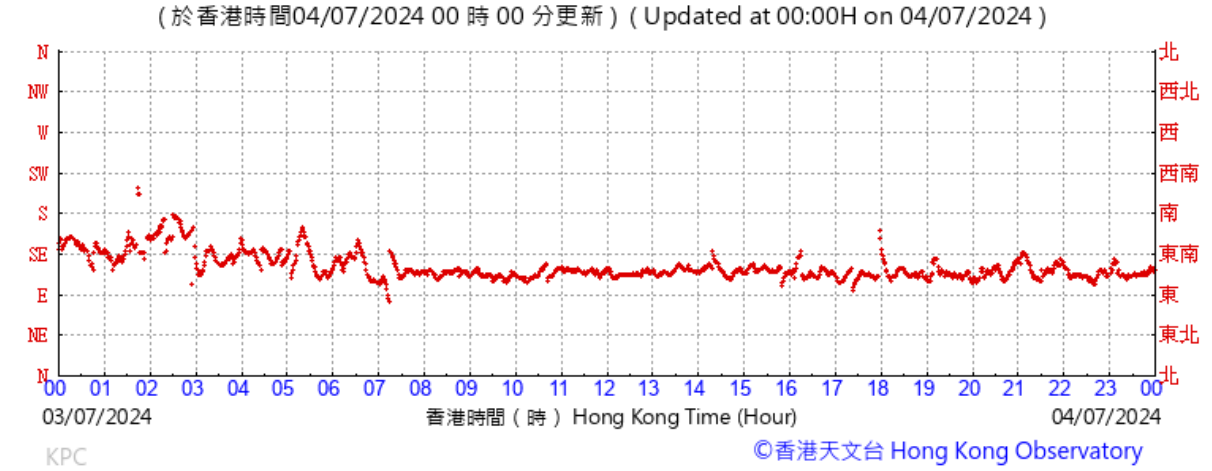

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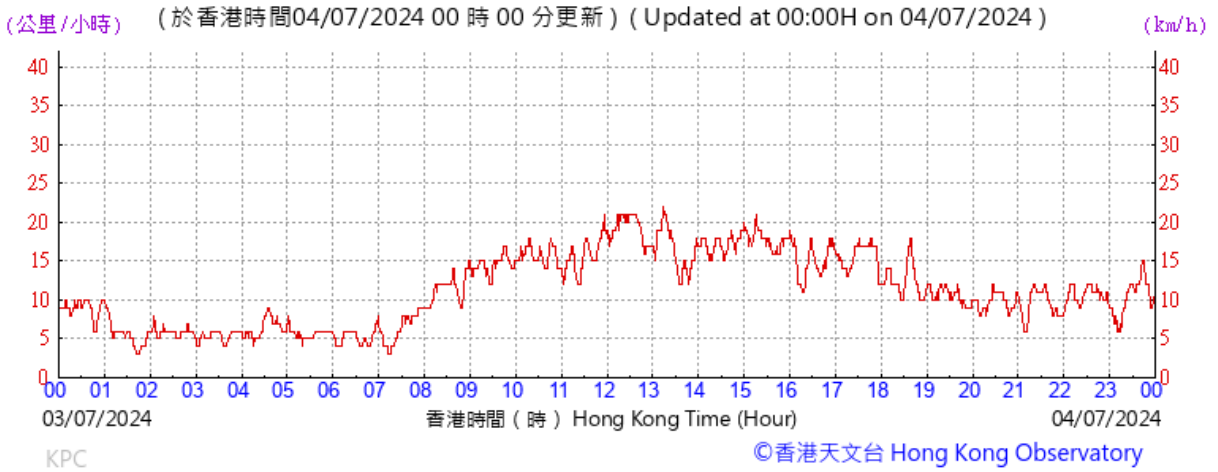

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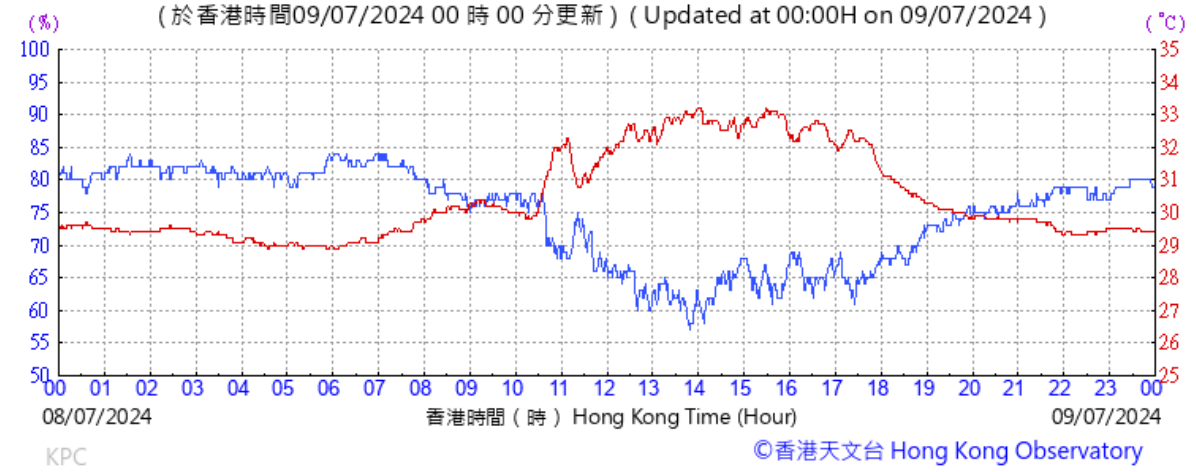

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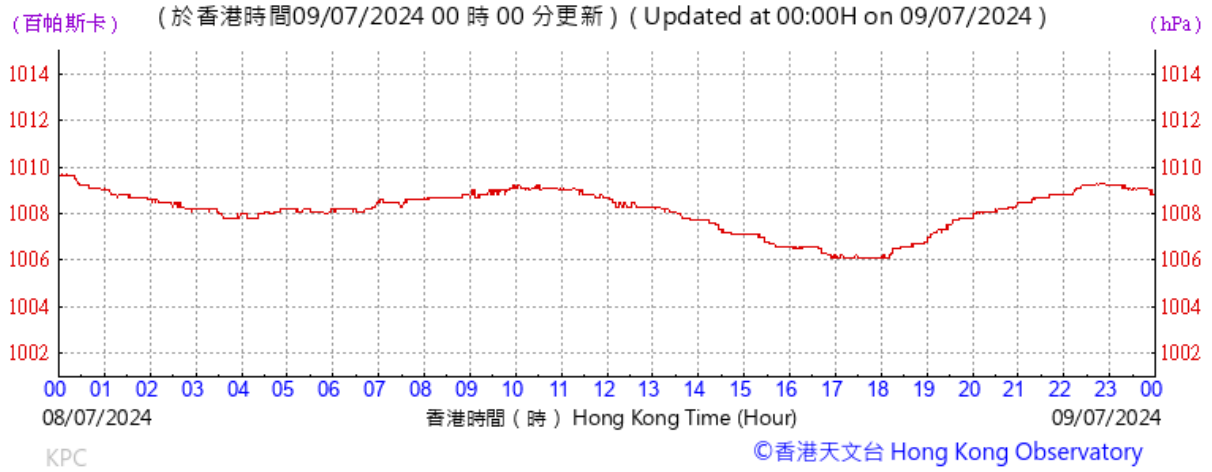

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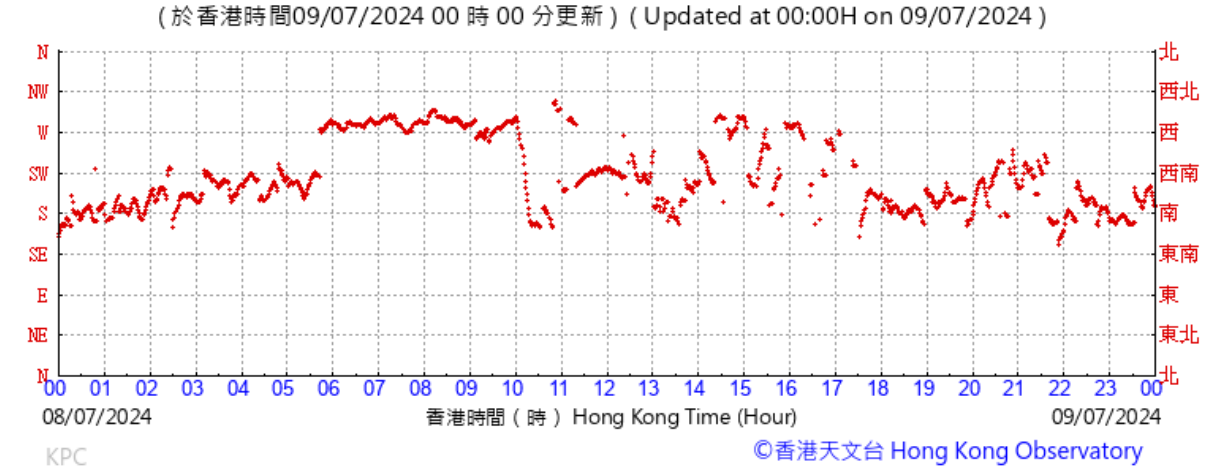

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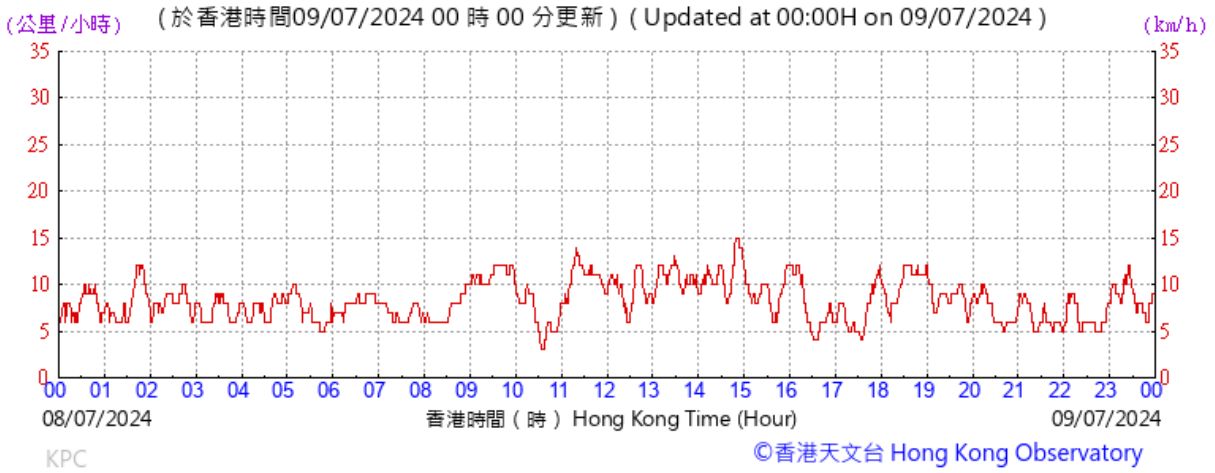

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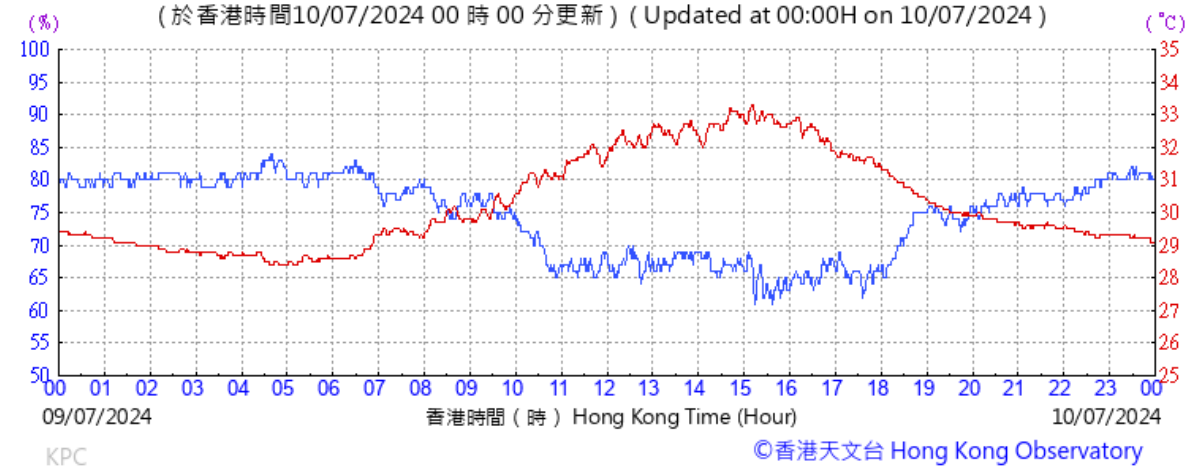

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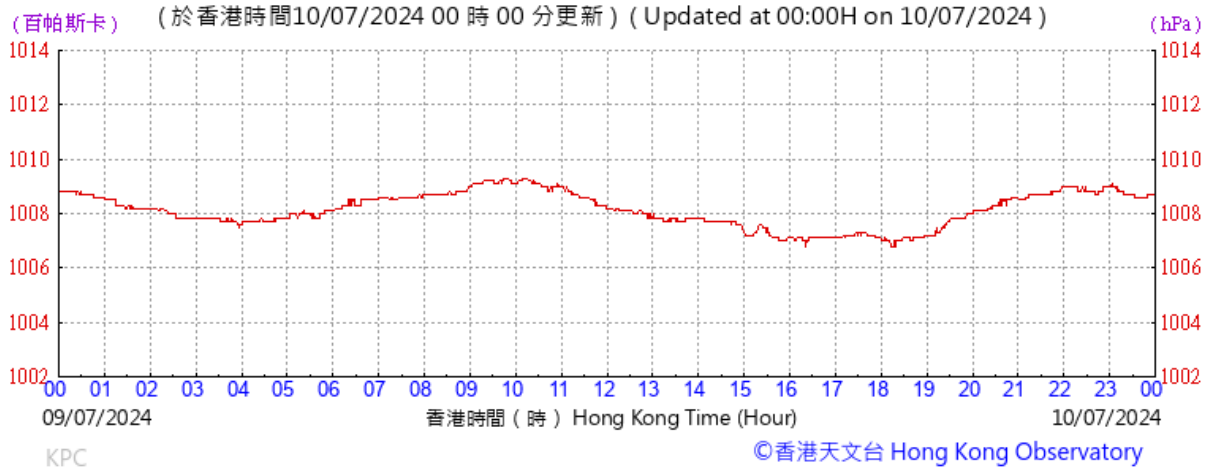

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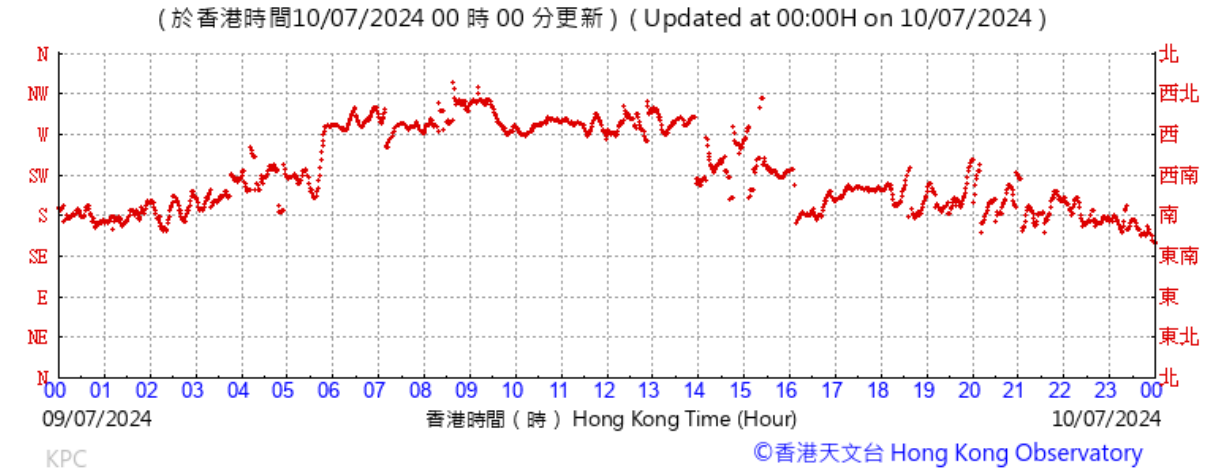

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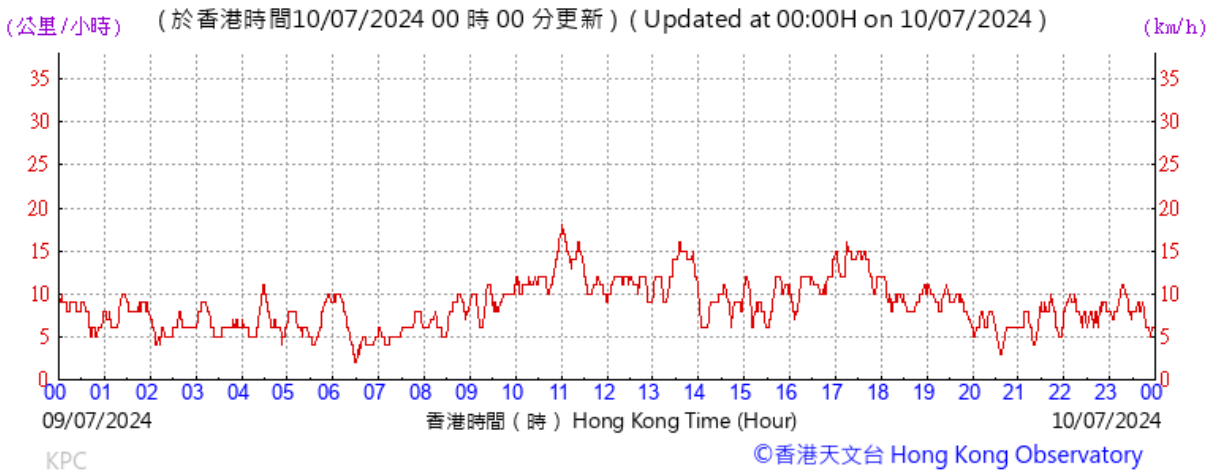

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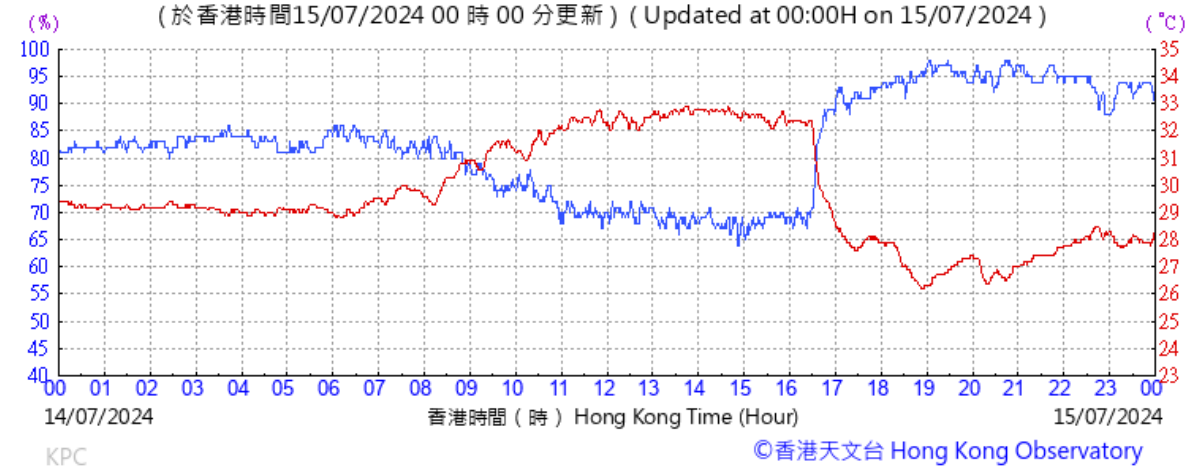

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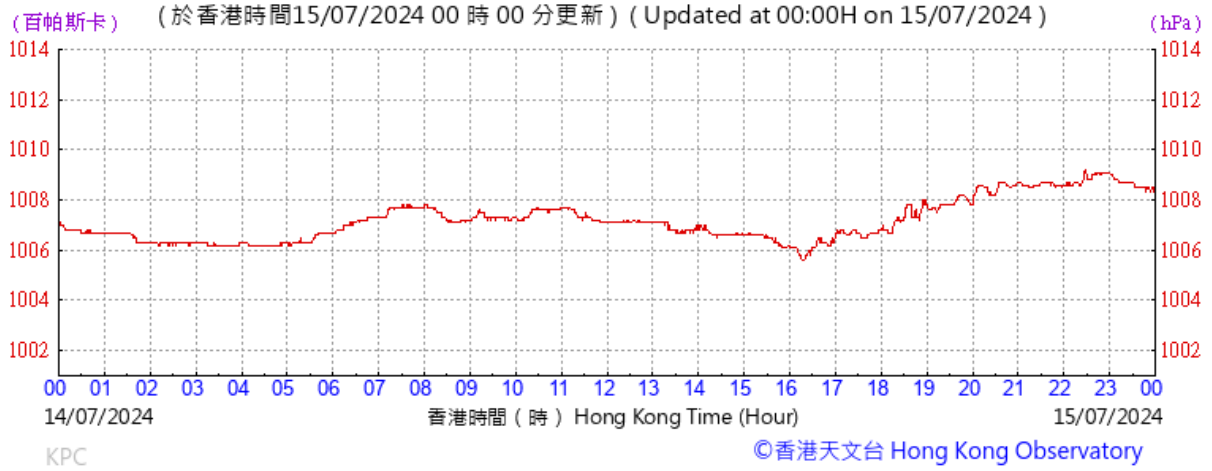

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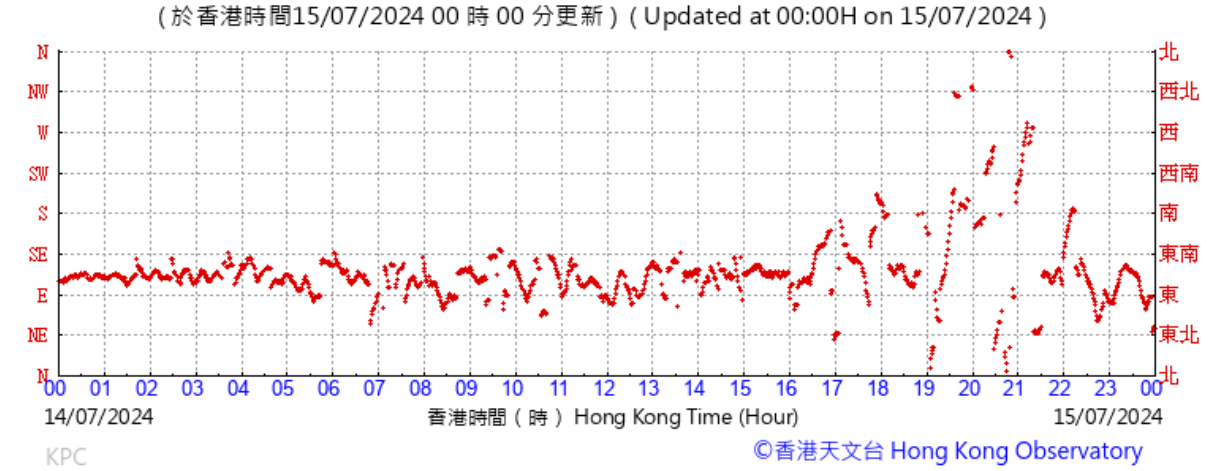

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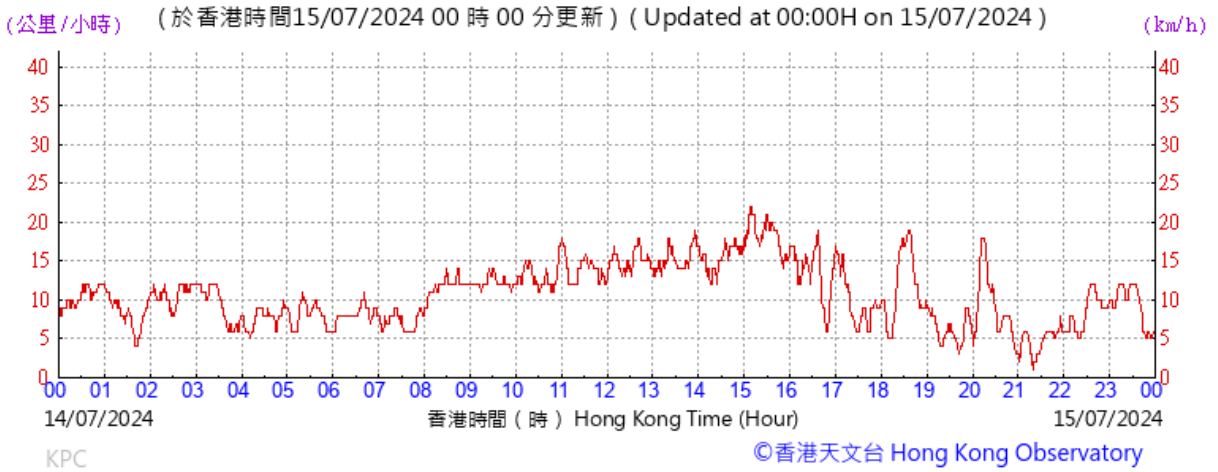

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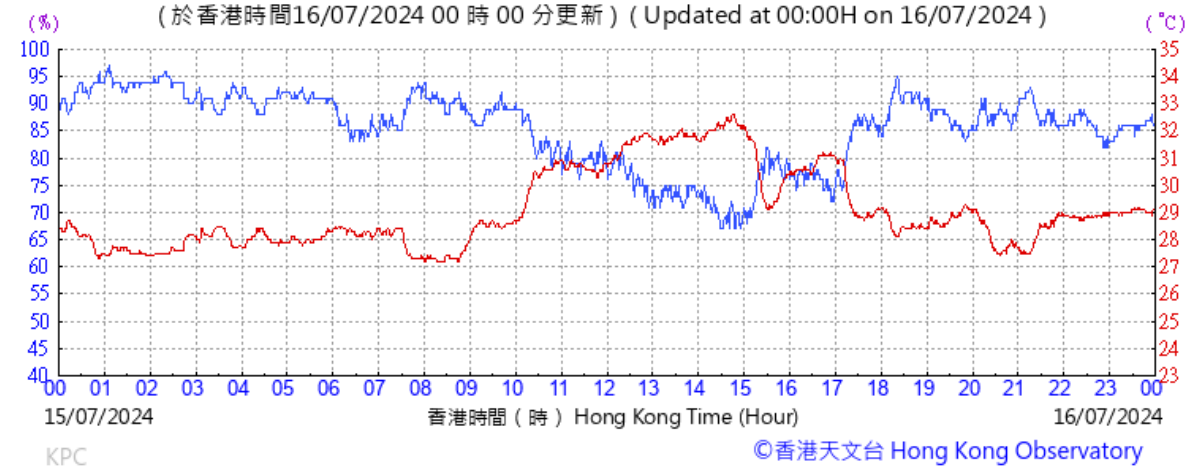

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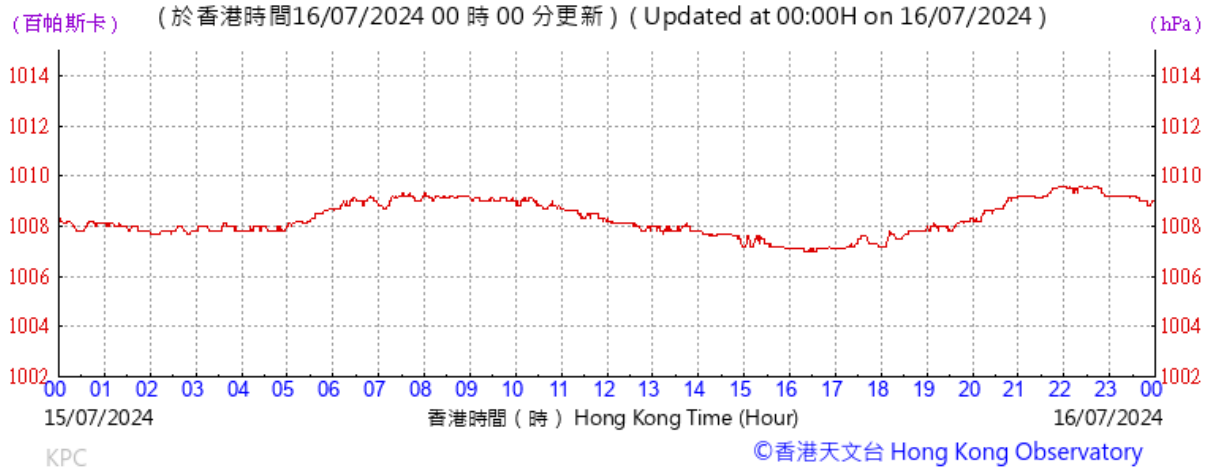

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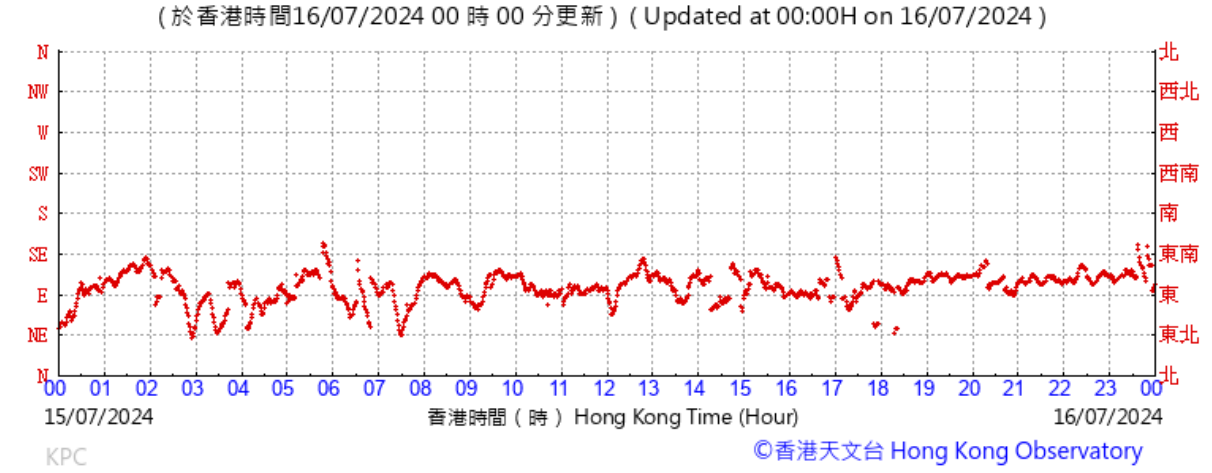

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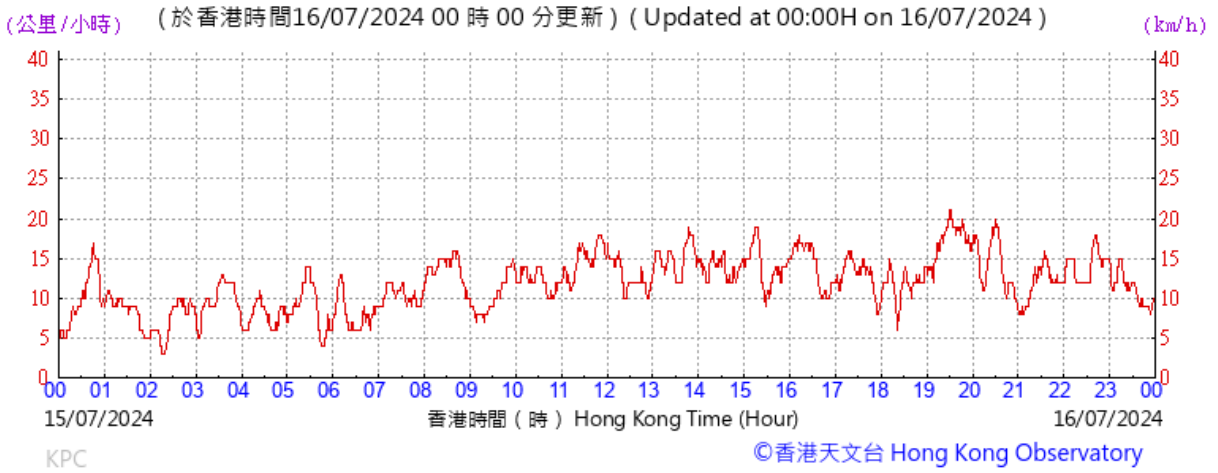

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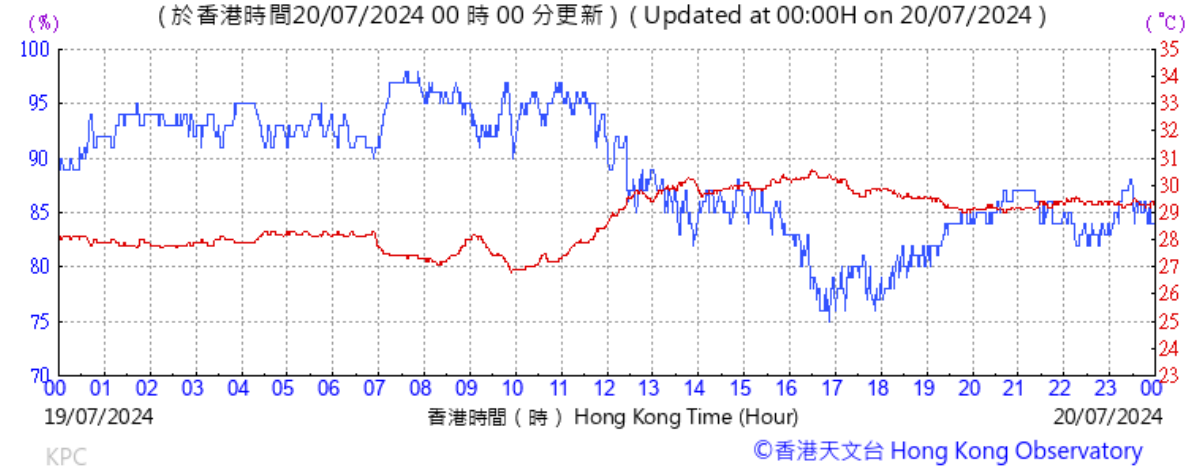

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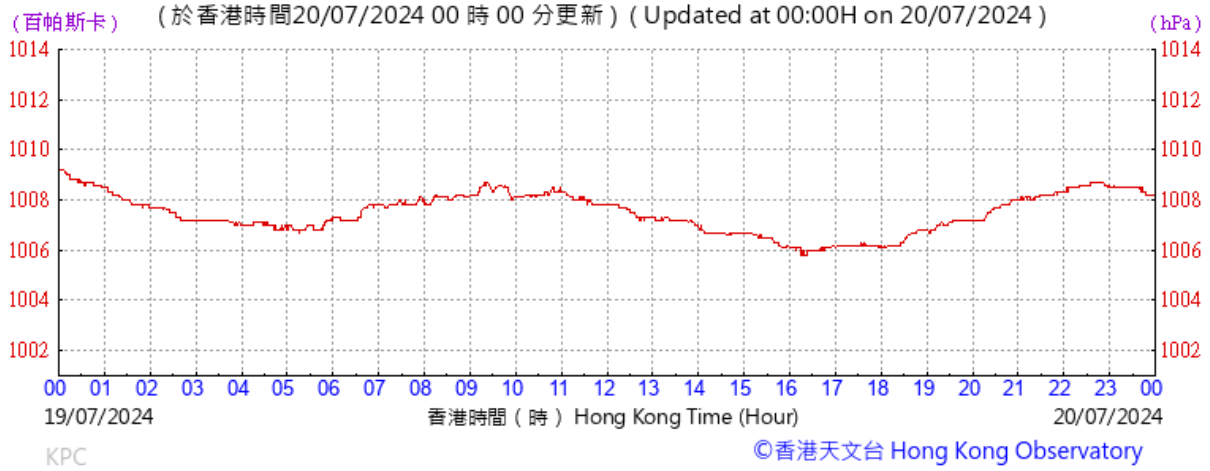

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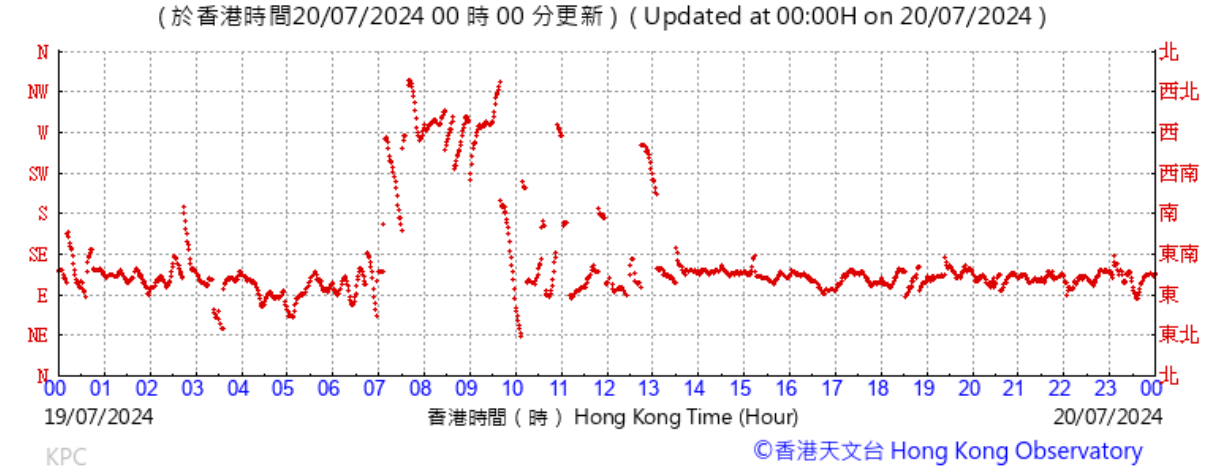

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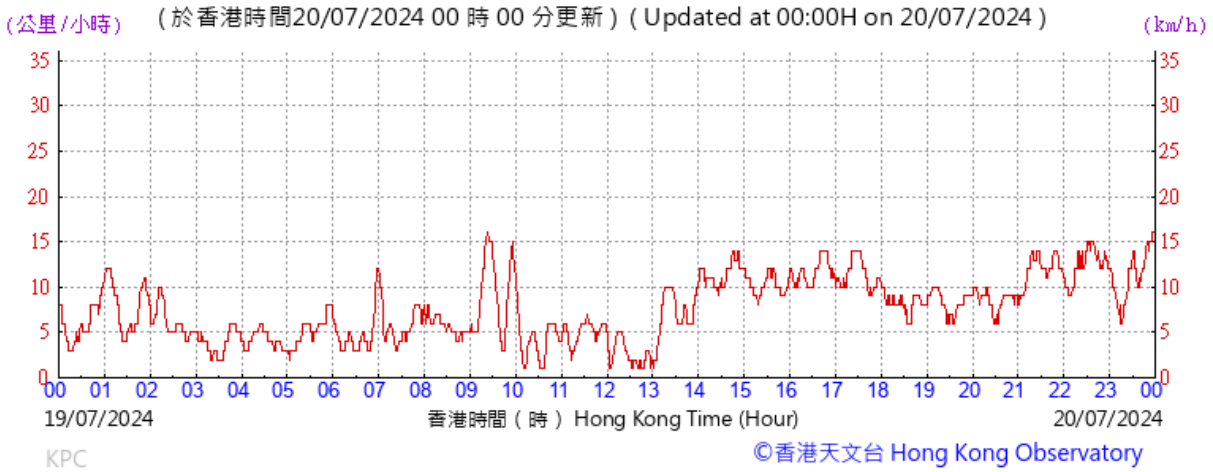

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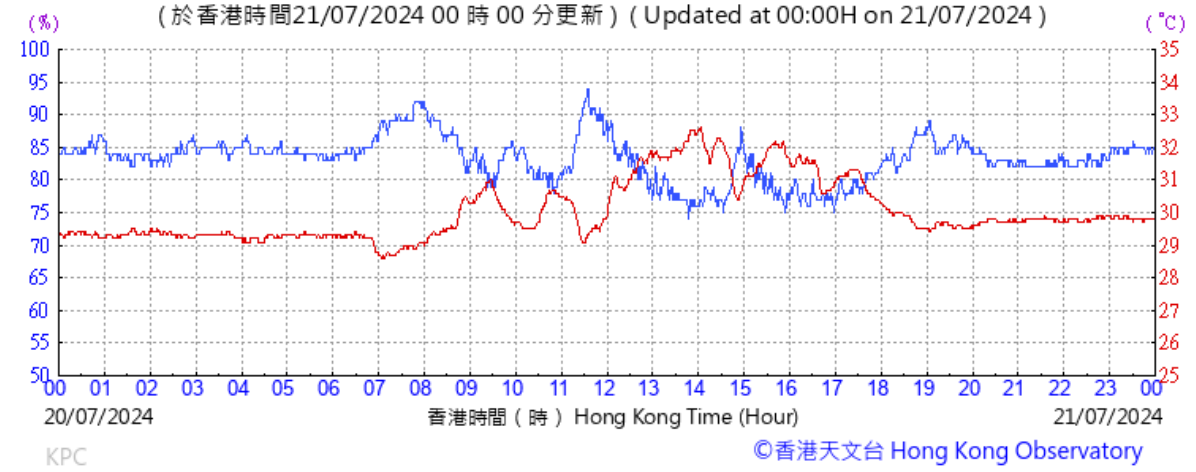

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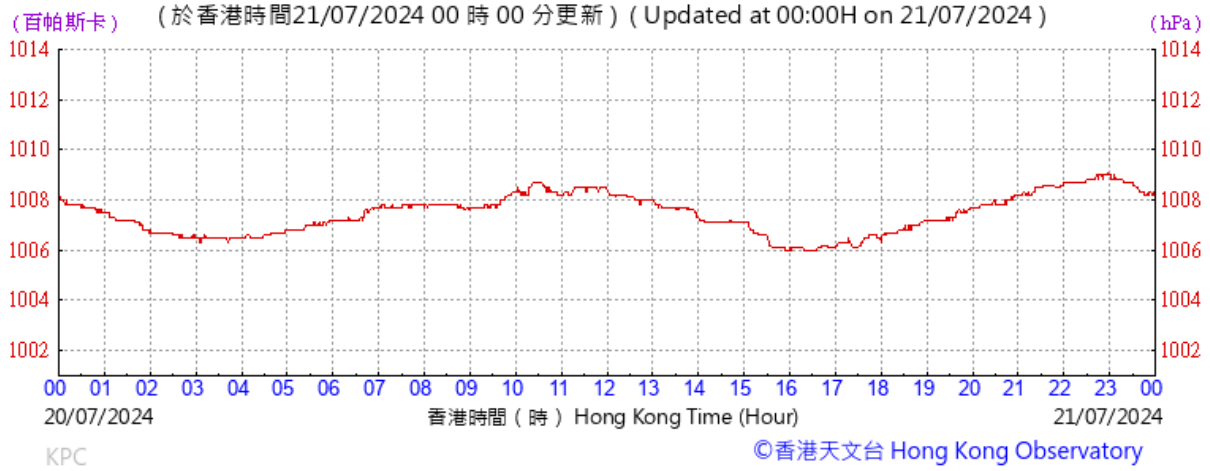

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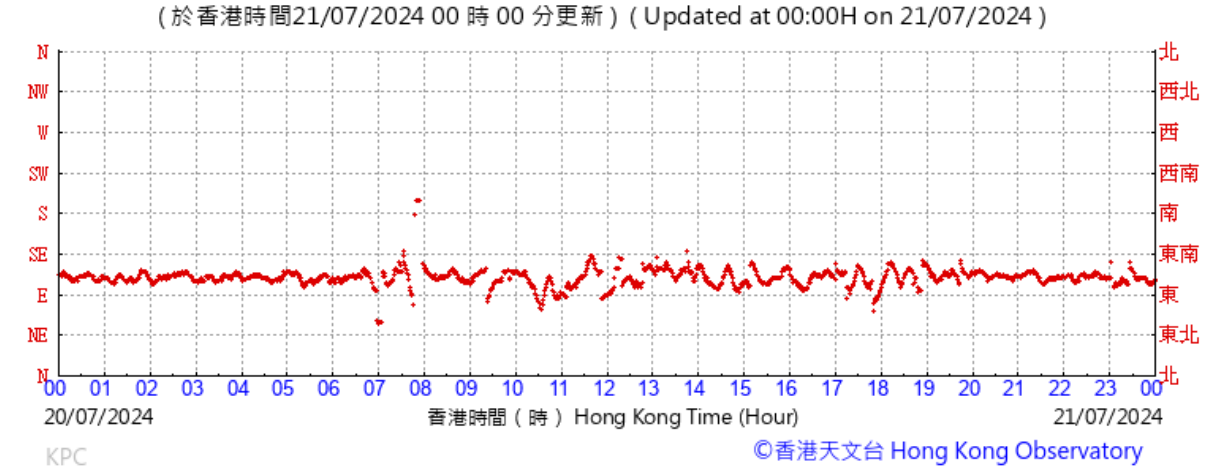

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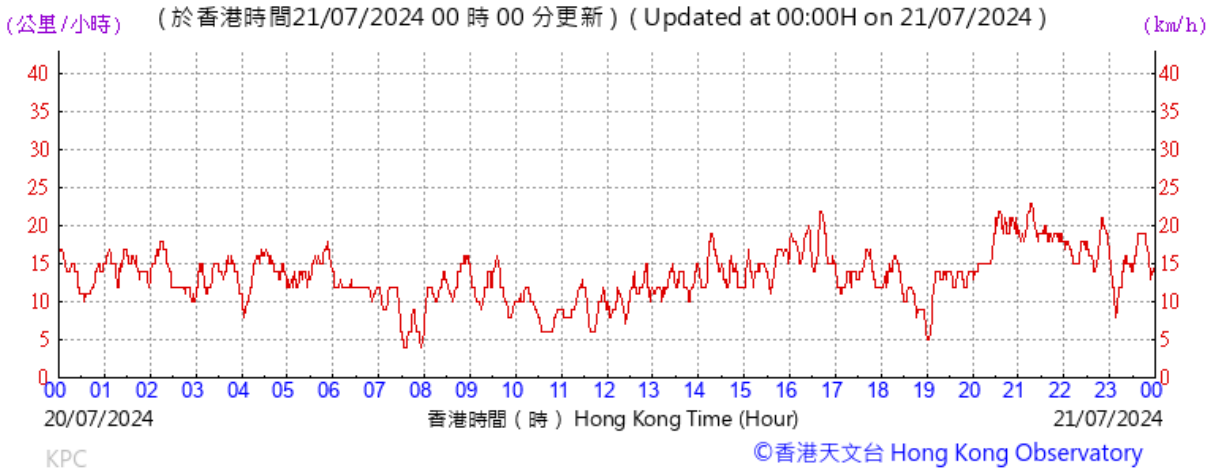

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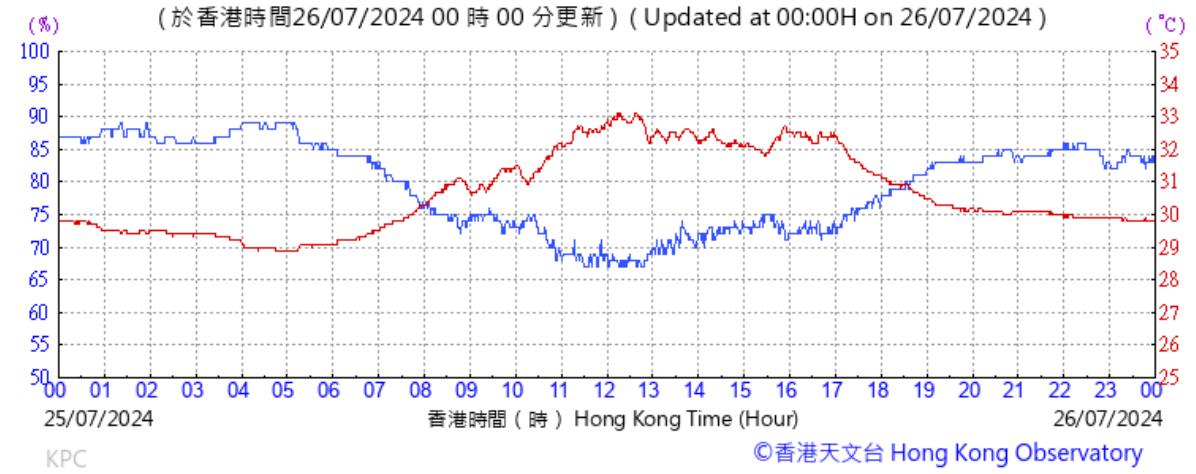

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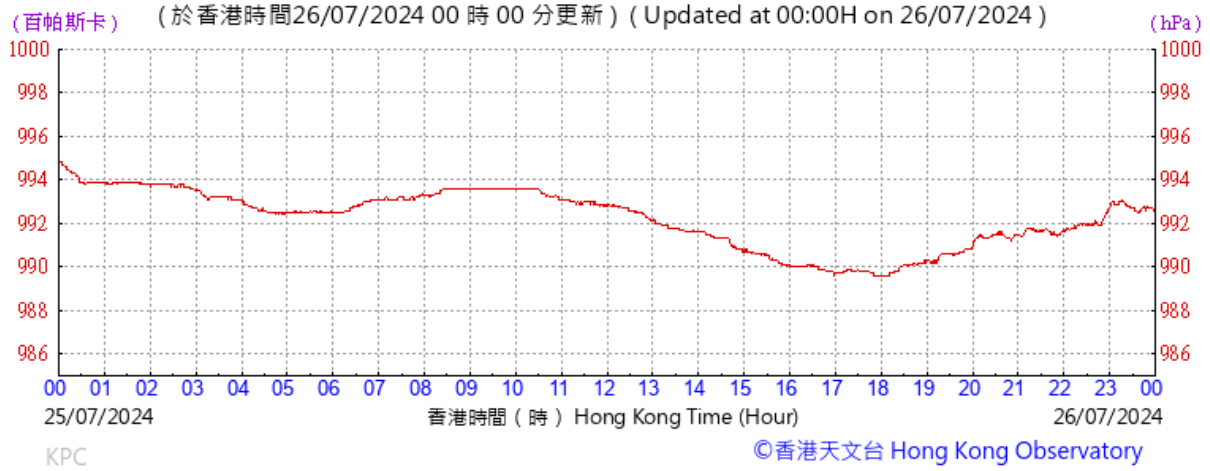

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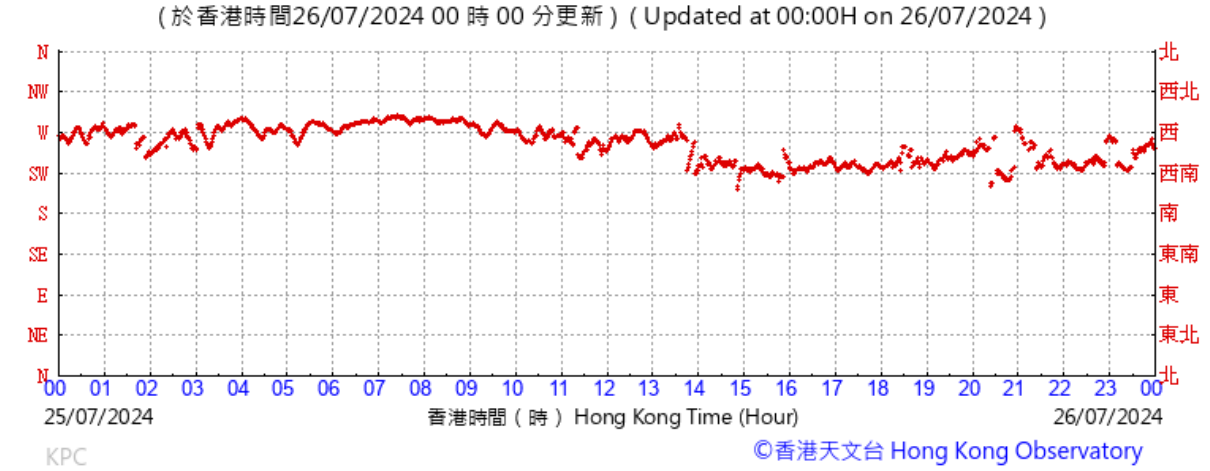

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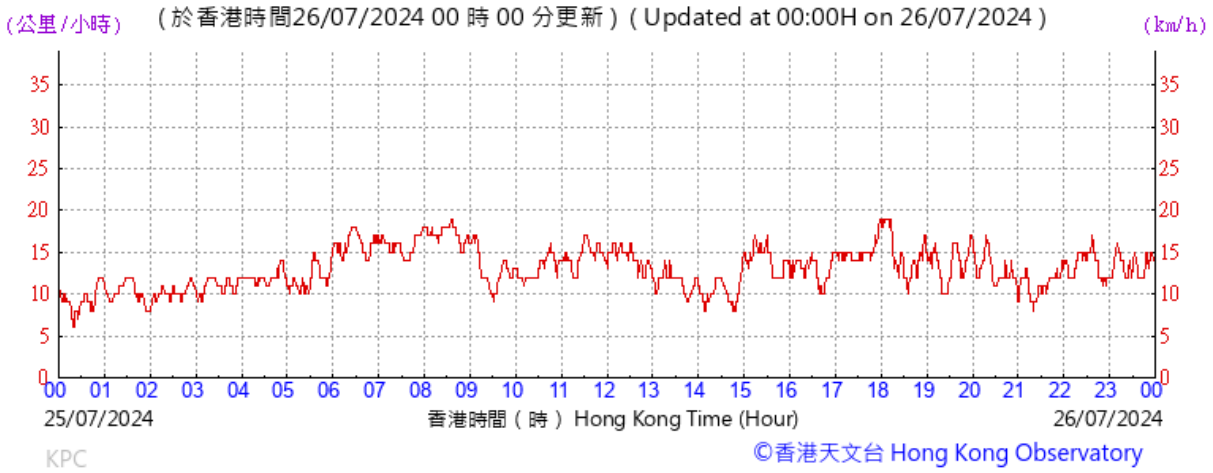

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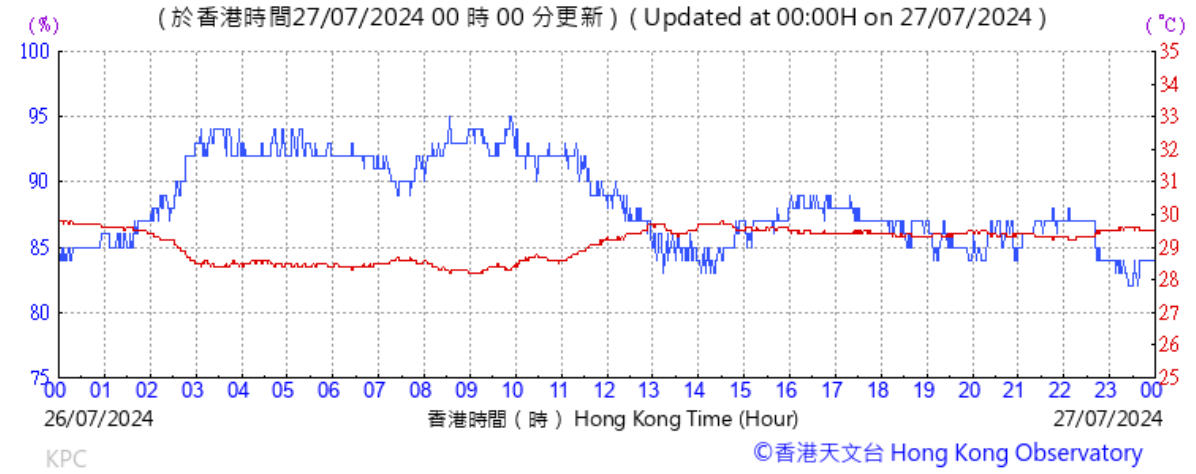

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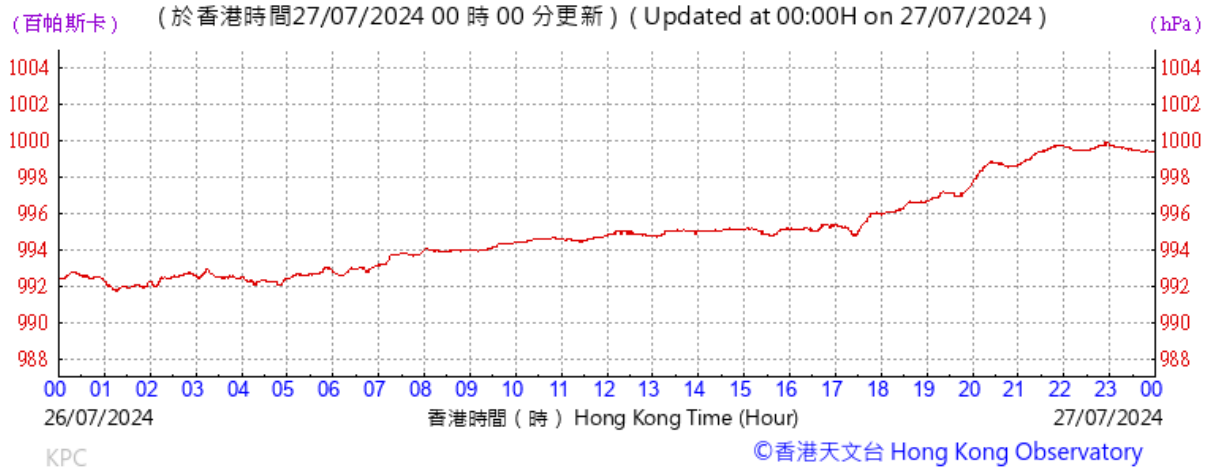

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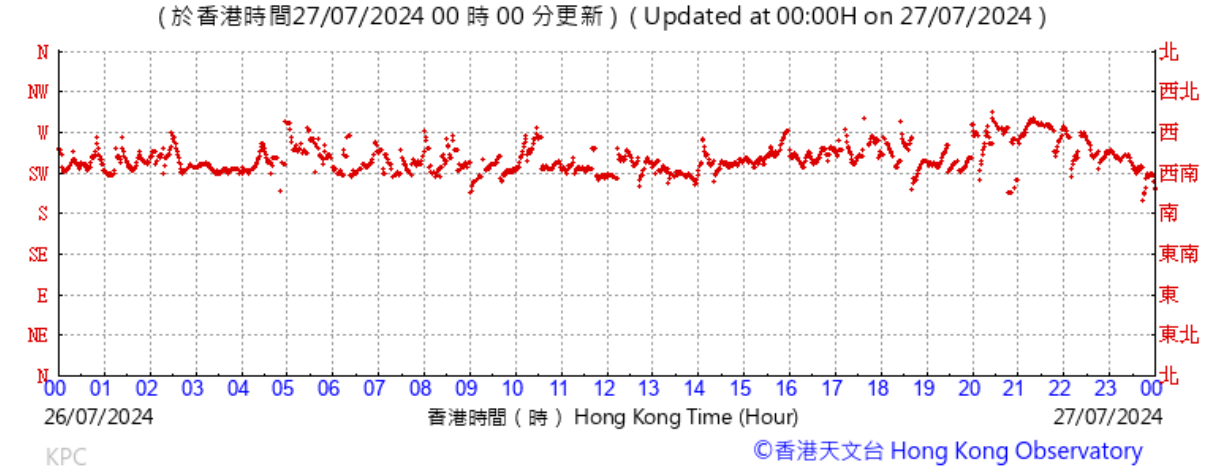

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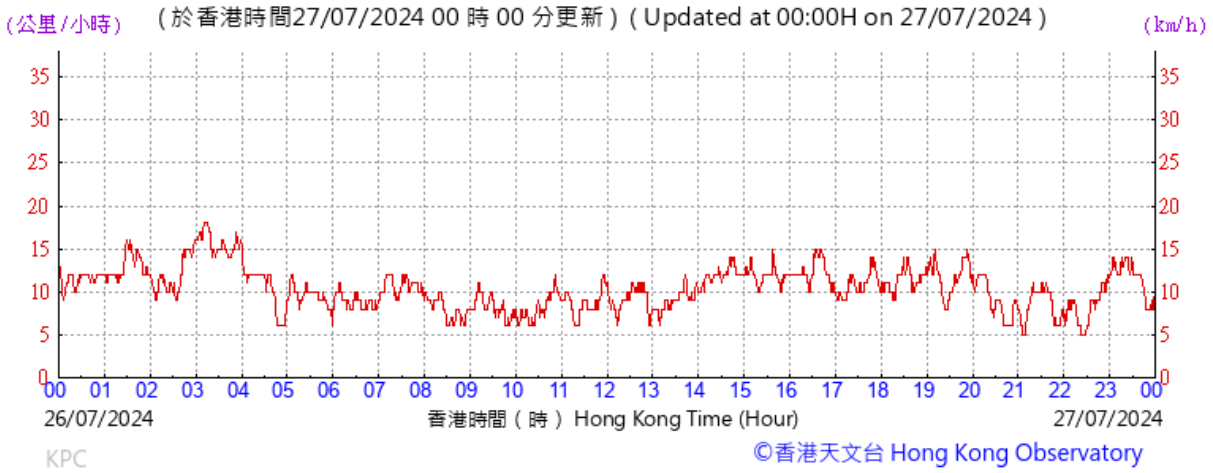
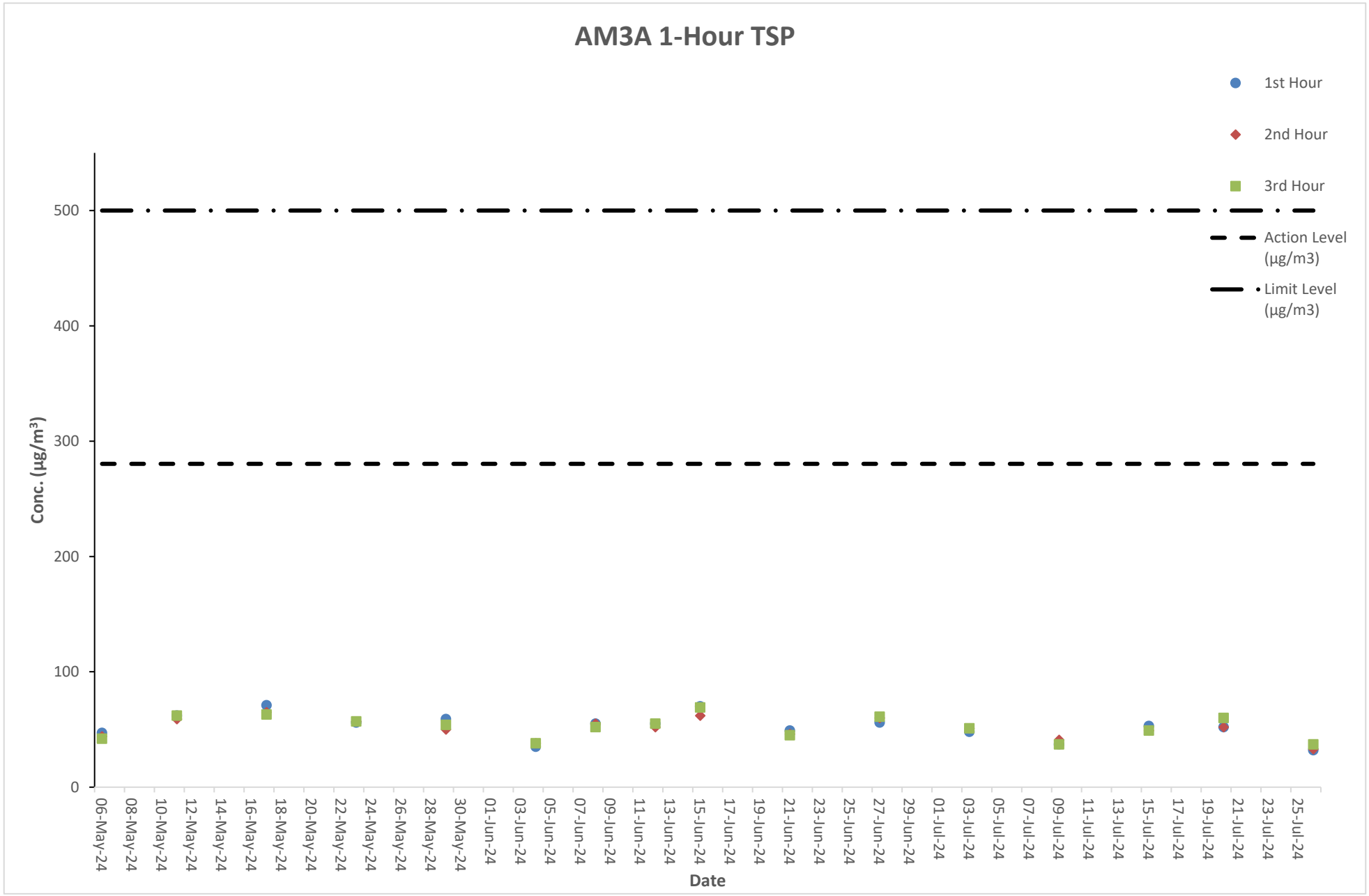


E. Graphical Plots of the Monitoring Results

Air Quality Monitoring Result at Station AM3A (1-hour TSP)

Date	Weather Condition	Time	Conc. (μg/m^3)			Action Level (μg/m^3)	Limit Level (μg/m^3)
			1st Hour	2nd Hour	3rd Hour		
06-May-24	Fine	14:05 - 17:05	47	44	42	280.4	500
11-May-24	Cloudy	08:01 - 11:01	62	59	62	280.4	500
17-May-24	Fine	14:04 - 17:04	71	65	63	280.4	500
23-May-24	Cloudy	08:09 - 11:09	56	57	57	280.4	500
29-May-24	Cloudy	14:00 - 17:00	59	50	54	280.4	500
04-Jun-24	Cloudy	08:05 - 11:05	35	38	38	280.4	500
08-Jun-24	Cloudy	14:09 - 17:09	55	55	52	280.4	500
12-Jun-24	Cloudy	08:02 - 11:02	55	52	55	280.4	500
15-Jun-24	Cloudy	14:01 - 17:01	70	62	69	280.4	500
21-Jun-24	Fine	08:07 - 11:07	49	46	45	280.4	500
27-Jun-24	Cloudy	14:00 - 17:00	56	60	61	280.4	500
03-Jul-24	Fine	08:01 - 11:01	48	51	51	280.4	500
09-Jul-24	Cloudy	14:05 - 17:05	37	41	37	280.4	500
15-Jul-24	Cloudy	08:06 - 11:06	53	49	49	280.4	500
20-Jul-24	Cloudy	14:07 - 17:07	52	52	60	280.4	500
26-Jul-24	Cloudy	08:09 - 11:09	32	33	37	280.4	500

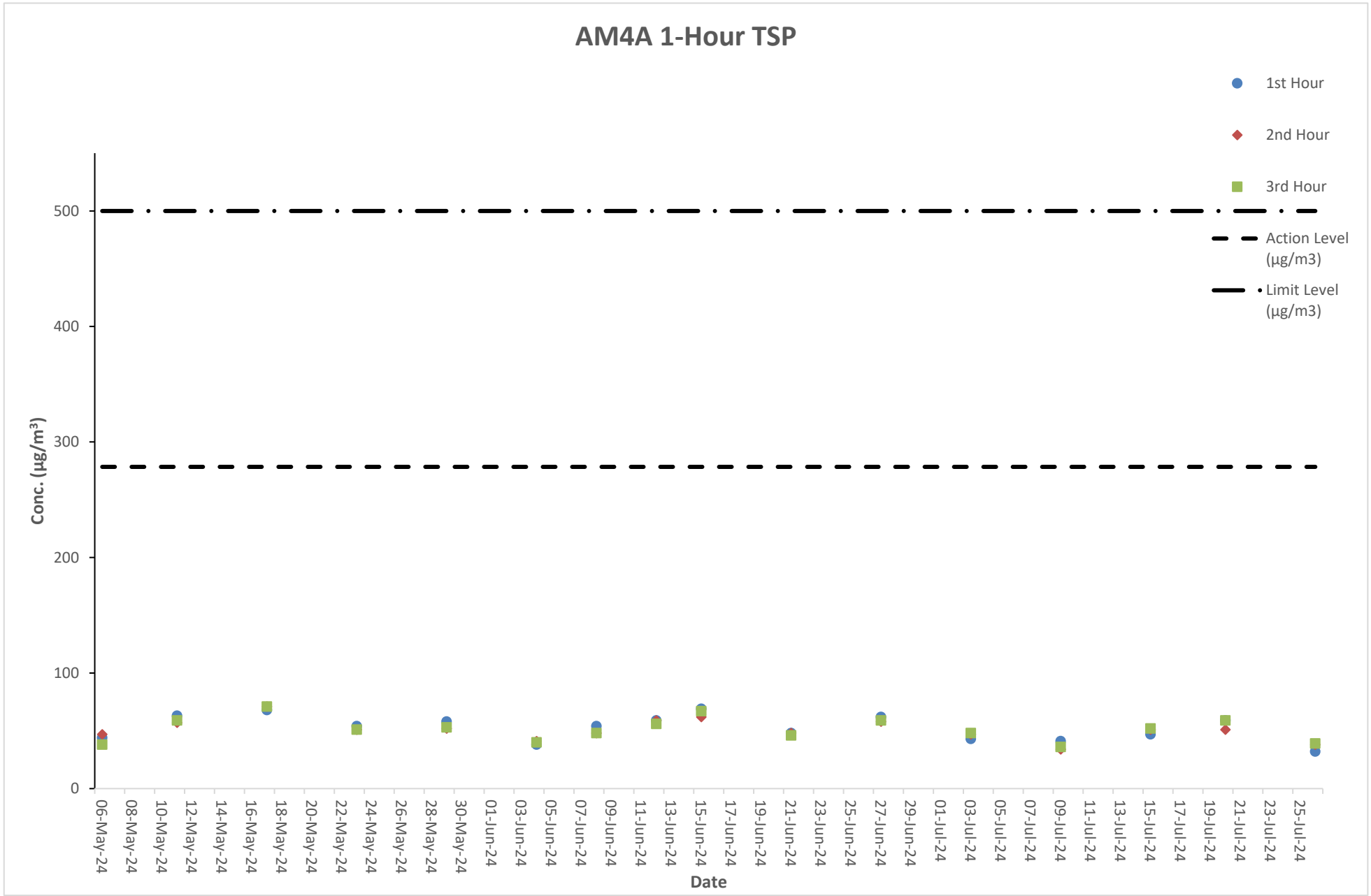
Graphical Presentation of Air Quality Monitoring Result at Station AM3A (1-hour TSP)



Air Quality Monitoring Result at Station AM4A (1-hour TSP)

Date	Weather Condition	Time	Conc. (μg/m^3)			Action Level (μg/m^3)	Limit Level (μg/m^3)
			1st Hour	2nd Hour	3rd Hour		
06-May-24	Fine	14:13 - 17:13	44	47	38	278.5	500
11-May-24	Cloudy	08:09 - 11:09	63	57	59	278.5	500
17-May-24	Fine	14:12 - 17:12	68	71	71	278.5	500
23-May-24	Cloudy	08:17 - 11:17	54	51	51	278.5	500
29-May-24	Cloudy	14:08 - 17:08	58	52	53	278.5	500
04-Jun-24	Cloudy	08:13 - 11:13	38	41	40	278.5	500
08-Jun-24	Cloudy	14:17 - 17:17	54	48	48	278.5	500
12-Jun-24	Cloudy	08:10 - 11:10	59	59	56	278.5	500
15-Jun-24	Cloudy	14:09 - 17:09	69	62	67	278.5	500
21-Jun-24	Fine	08:15 - 11:15	48	48	46	278.5	500
27-Jun-24	Cloudy	14:08 - 17:08	62	58	59	278.5	500
03-Jul-24	Fine	08:09 - 11:09	43	47	48	278.5	500
09-Jul-24	Cloudy	14:13 - 17:13	41	34	36	278.5	500
15-Jul-24	Cloudy	08:14 - 11:14	47	51	52	278.5	500
20-Jul-24	Cloudy	14:15 - 17:15	59	51	59	278.5	500
26-Jul-24	Cloudy	08:17 - 11:17	32	38	39	278.5	500

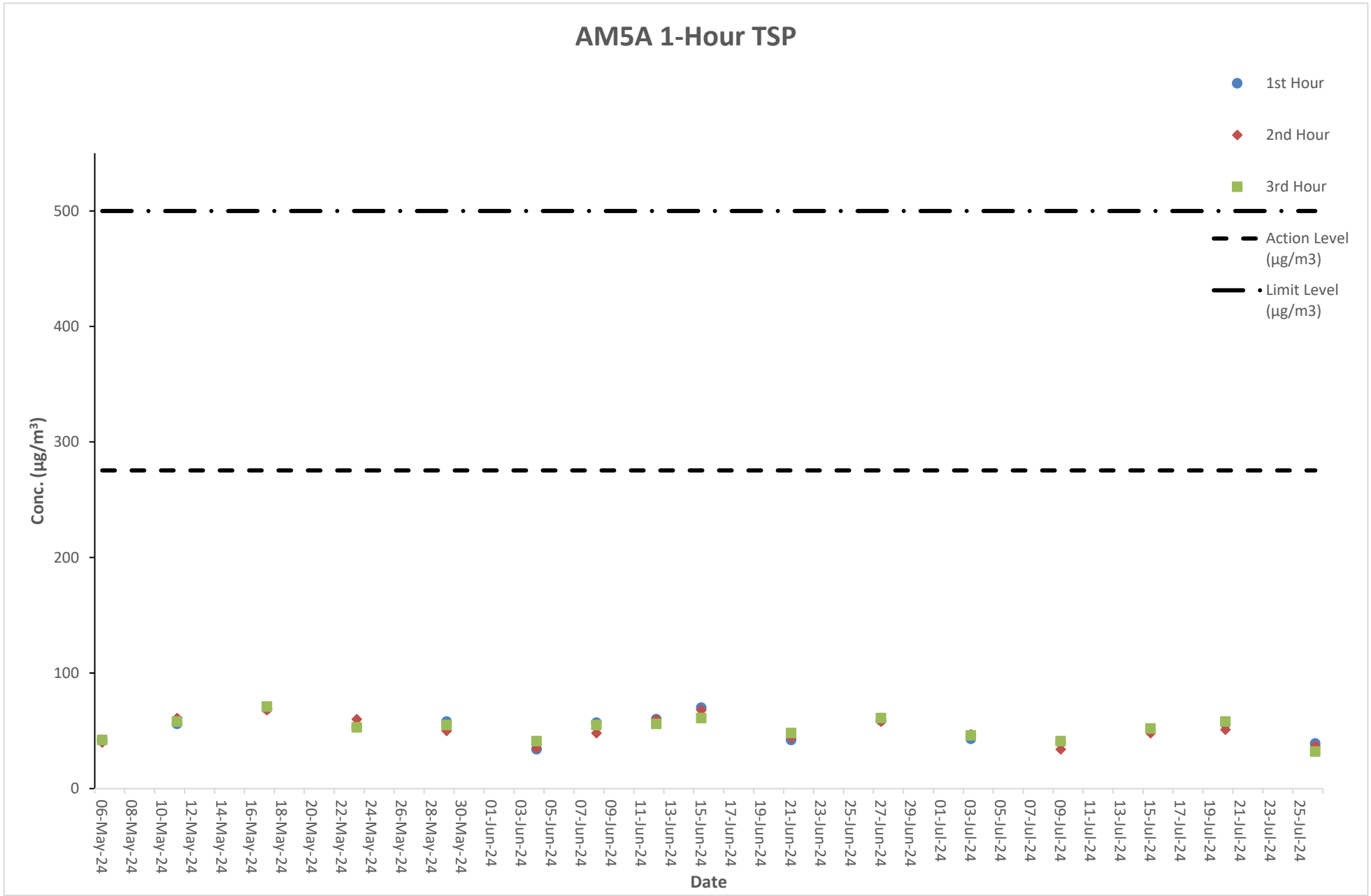
Graphical Presentation of Air Quality Monitoring Result at Station AM4A (1-hour TSP)



Air Quality Monitoring Result at Station AM5A (1-hour TSP)

Date	Weather Condition	Time	Conc. (μg/m^3)			Action Level (μg/m^3)	Limit Level (μg/m^3)
			1st Hour	2nd Hour	3rd Hour		
06-May-24	Fine	14:28 - 17:28	42	40	42	275.4	500
11-May-24	Cloudy	08:26 - 11:26	56	61	58	275.4	500
17-May-24	Fine	14:27 - 17:27	69	68	71	275.4	500
23-May-24	Cloudy	08:34 - 11:34	53	60	53	275.4	500
29-May-24	Cloudy	14:23 - 17:23	58	50	55	275.4	500
04-Jun-24	Cloudy	08:28 - 11:28	34	35	41	275.4	500
08-Jun-24	Cloudy	14:34 - 17:34	57	48	55	275.4	500
12-Jun-24	Cloudy	08:25 - 11:25	60	60	56	275.4	500
15-Jun-24	Cloudy	14:26 - 17:26	70	68	61	275.4	500
21-Jun-24	Fine	08:30 - 11:30	42	44	48	275.4	500
27-Jun-24	Cloudy	14:25 - 17:25	59	58	61	275.4	500
03-Jul-24	Fine	08:24 - 11:24	43	47	46	275.4	500
09-Jul-24	Cloudy	14:30 - 17:30	40	34	41	275.4	500
15-Jul-24	Cloudy	08:29 - 11:29	50	48	52	275.4	500
20-Jul-24	Cloudy	14:32 - 17:32	56	51	58	275.4	500
26-Jul-24	Cloudy	08:32 - 11:32	39	37	32	275.4	500

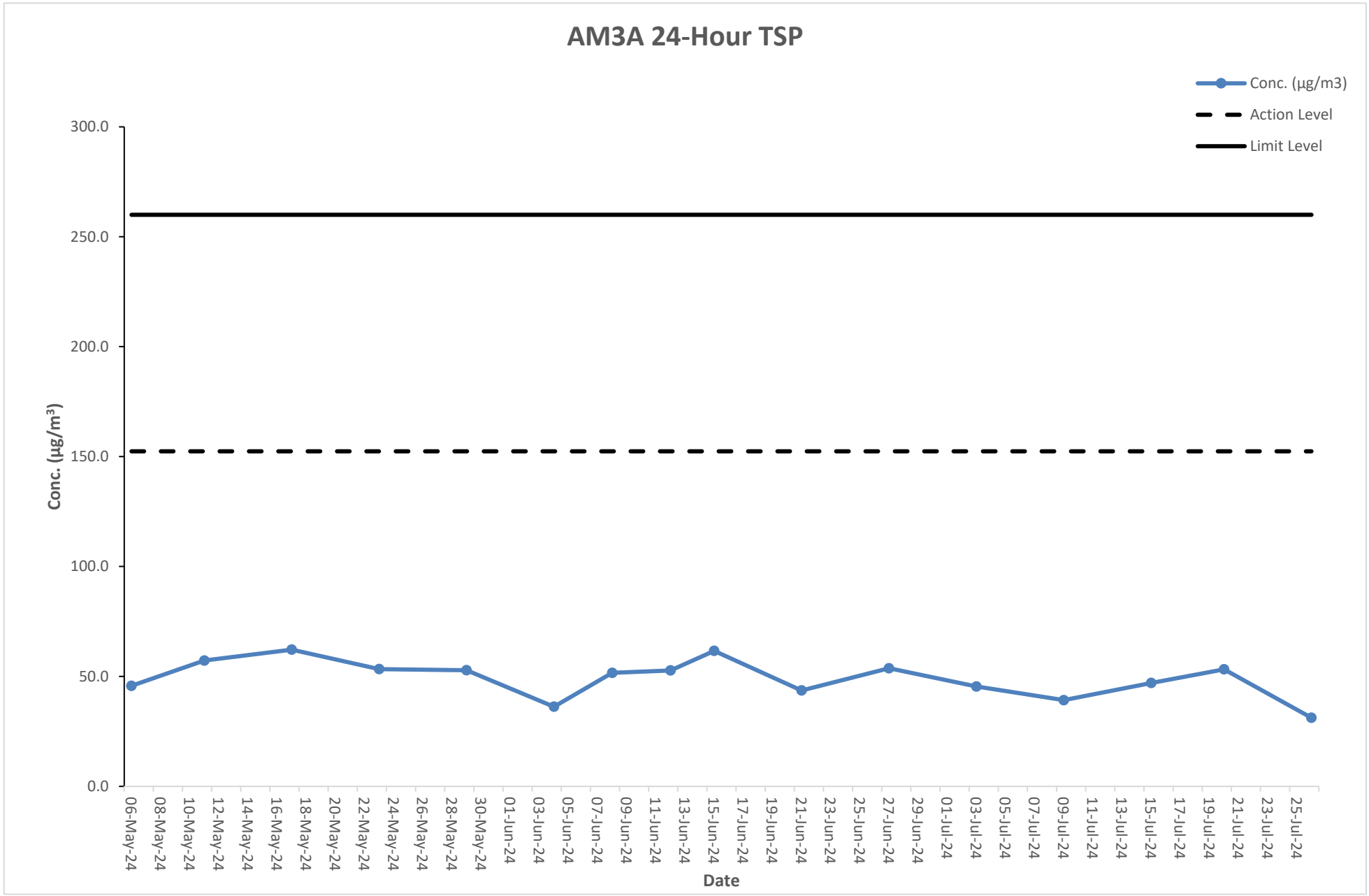
Graphical Presentation of Air Quality Monitoring Result at Station AM5A (1-hour TSP)



Air Quality Monitoring Result at Station AM3A (24-hour TSP)

Start		Finish		Filter Weight (g)		Elapsed Time Reading		Sampling Time (hrs)	Flow Rate (m^3/min)			Conc. ($\mu g/m^3$)	Weather Condition	Action Level	Limit Level
Date	Time	Date	Time	Initial	Final	Initial	Final		Initial	Final	Average				
06-May-24	10:00	07-May-24	10:00	2.8076	2.8812	6710.8	6734.8	24	1.12	1.12	1.12	45.7	Sunny	152.4	260
11-May-24	10:00	12-May-24	10:00	2.8053	2.8973	6734.8	6758.8	24	1.12	1.12	1.12	57.2	Cloudy	152.4	260
17-May-24	10:00	18-May-24	10:00	2.8082	2.9083	6758.8	6782.8	24	1.12	1.12	1.12	62.2	Sunny	152.4	260
23-May-24	10:00	24-May-24	10:00	2.8052	2.8910	6782.8	6806.8	24	1.12	1.12	1.12	53.3	Rainy	152.4	260
29-May-24	10:00	30-May-24	10:00	2.8044	2.8893	6806.8	6830.8	24	1.12	1.12	1.12	52.8	Sunny	152.4	260
04-Jun-24	10:00	05-Jun-24	10:00	2.8090	2.8672	6831.8	6855.8	24	1.12	1.12	1.12	36.2	Rainy	152.4	260
08-Jun-24	10:00	09-Jun-24	10:00	2.8050	2.8880	6855.8	6879.8	24	1.12	1.12	1.12	51.6	Rainy	152.4	260
12-Jun-24	10:00	13-Jun-24	10:00	2.8059	2.8906	6879.8	6903.8	24	1.12	1.12	1.12	52.7	Rainy	152.4	260
15-Jun-24	10:00	16-Jun-24	10:00	2.8087	2.9078	6903.8	6927.8	24	1.12	1.12	1.12	61.6	Rainy	152.4	260
21-Jun-24	10:00	22-Jun-24	10:00	2.8050	2.8751	6927.8	6951.8	24	1.12	1.12	1.12	43.6	Sunny	152.4	260
27-Jun-24	10:00	28-Jun-24	10:00	2.8056	2.8921	6951.8	6975.8	24	1.12	1.12	1.12	53.7	Rainy	152.4	260
03-Jul-24	10:00	04-Jul-24	10:00	2.8023	2.8753	6975.8	6999.8	24	1.12	1.12	1.12	45.4	Sunny	152.4	260
09-Jul-24	10:00	10-Jul-24	10:00	2.8035	2.8665	6999.8	7023.8	24	1.12	1.12	1.12	39.2	Cloudy	152.4	260
15-Jul-24	10:00	16-Jul-24	10:00	2.8068	2.8825	7023.8	7047.8	24	1.12	1.12	1.12	47.0	Rainy	152.4	260
20-Jul-24	10:00	21-Jul-24	10:00	2.8079	2.8935	7047.8	7071.8	24	1.12	1.12	1.12	53.2	Rainy	152.4	260
26-Jul-24	10:00	27-Jul-24	10:00	2.8053	2.8555	7071.8	7095.8	24	1.12	1.12	1.12	31.2	Rainy	152.4	260

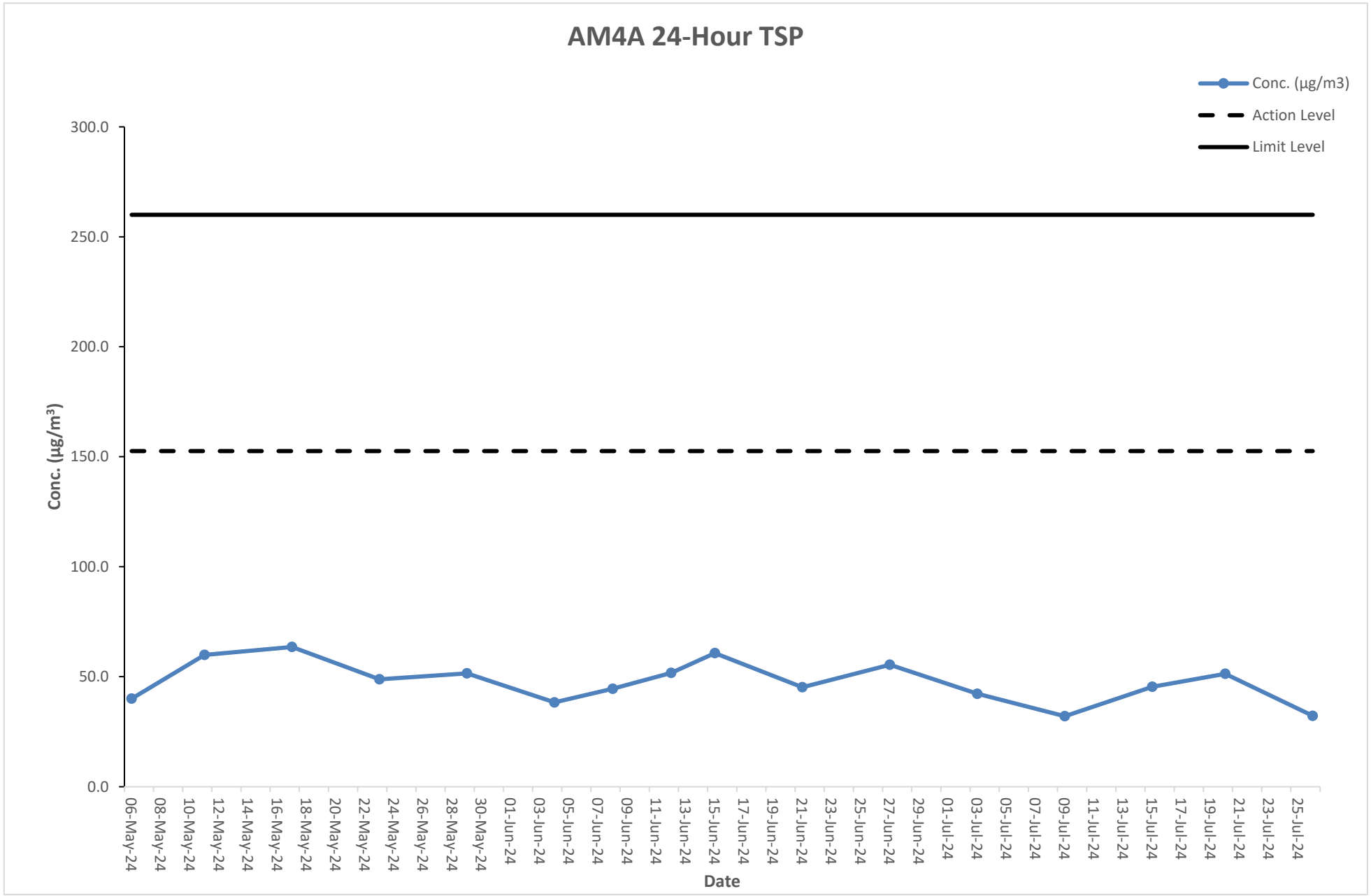
Graphical Presentation of Air Quality Monitoring Result at Station AM3A (24-hour TSP)



Air Quality Monitoring Result at Station AM4A (24-hour TSP)

Start		Finish		Filter Weight (g)		Elapsed Time Reading		Sampling Time (hrs)	Flow Rate (m^3/min)			Conc. ($\mu g/m^3$)	Weather Condition	Action Level	Limit Level
Date	Time	Date	Time	Initial	Final	Initial	Final		Initial	Final	Average				
06-May-24	10:00	07-May-24	10:00	2.8056	2.8700	7130.4	7154.4	24	1.12	1.12	1.12	40.0	Sunny	152.6	260
11-May-24	10:00	12-May-24	10:00	2.8053	2.9016	7154.4	7178.4	24	1.12	1.12	1.12	59.9	Cloudy	152.6	260
17-May-24	10:00	18-May-24	10:00	2.8033	2.9055	7178.4	7202.4	24	1.12	1.12	1.12	63.5	Sunny	152.6	260
23-May-24	10:00	24-May-24	10:00	2.8079	2.8864	7202.4	7226.4	24	1.12	1.12	1.12	48.8	Rainy	152.6	260
29-May-24	10:00	30-May-24	10:00	2.8048	2.8877	7226.4	7250.4	24	1.12	1.12	1.12	51.5	Sunny	152.6	260
04-Jun-24	10:00	05-Jun-24	10:00	2.8083	2.8699	7251.4	7275.4	24	1.12	1.12	1.12	38.3	Rainy	152.6	260
08-Jun-24	10:00	09-Jun-24	10:00	2.8062	2.8778	7275.4	7299.4	24	1.12	1.12	1.12	44.5	Rainy	152.6	260
12-Jun-24	10:00	13-Jun-24	10:00	2.8028	2.8859	7299.4	7323.4	24	1.12	1.12	1.12	51.7	Rainy	152.6	260
15-Jun-24	10:00	16-Jun-24	10:00	2.8079	2.9056	7323.4	7347.4	24	1.12	1.12	1.12	60.7	Rainy	152.6	260
21-Jun-24	10:00	22-Jun-24	10:00	2.8070	2.8797	7347.4	7371.4	24	1.12	1.12	1.12	45.2	Sunny	152.6	260
27-Jun-24	10:00	28-Jun-24	10:00	2.8086	2.8978	7371.4	7395.4	24	1.12	1.12	1.12	55.4	Rainy	152.6	260
03-Jul-24	10:00	04-Jul-24	10:00	2.8013	2.8693	7395.4	7419.4	24	1.12	1.12	1.12	42.2	Sunny	152.6	260
09-Jul-24	10:00	10-Jul-24	10:00	2.8014	2.8529	7419.4	7443.4	24	1.12	1.12	1.12	32.0	Cloudy	152.6	260
15-Jul-24	10:00	16-Jul-24	10:00	2.8048	2.8779	7443.4	7467.4	24	1.12	1.12	1.12	45.4	Rainy	152.6	260
20-Jul-24	10:00	21-Jul-24	10:00	2.8018	2.8844	7467.4	7491.4	24	1.12	1.12	1.12	51.3	Rainy	152.6	260
26-Jul-24	10:00	27-Jul-24	10:00	2.8061	2.8579	7491.4	7515.4	24	1.12	1.12	1.12	32.2	Rainy	152.6	260

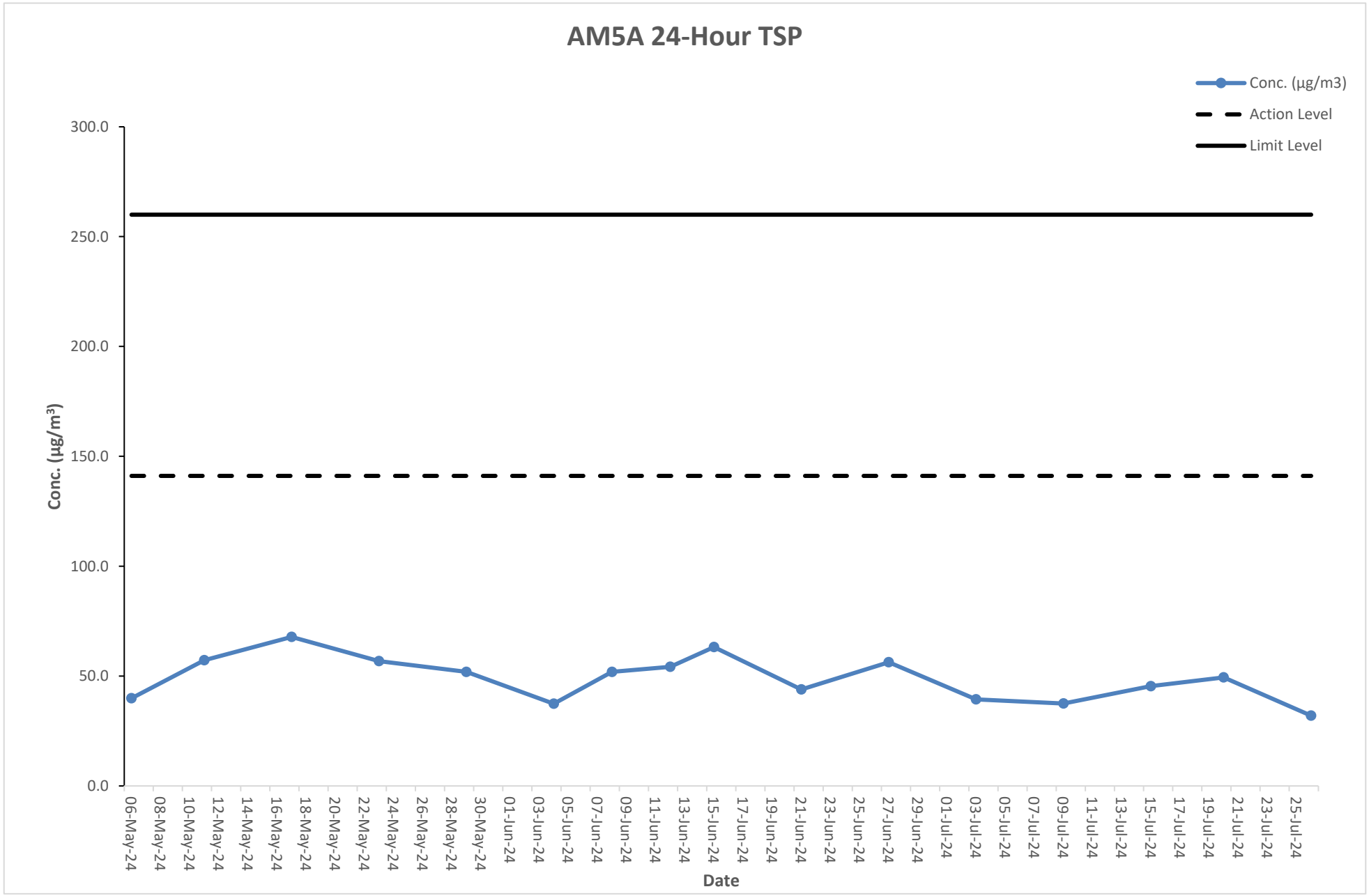
Graphical Presentation of Air Quality Monitoring Result at Station AM4A (24-hour TSP)



Air Quality Monitoring Result at Station AM5A (24-hour TSP)

Start		Finish		Filter Weight (g)		Elapsed Time Reading		Sampling Time (hrs)	Flow Rate (m^3/min)			Conc. ($\mu g/m^3$)	Weather Condition	Action Level	Limit Level
Date	Time	Date	Time	Initial	Final	Initial	Final		Initial	Final	Average				
06-May-24	10:00	07-May-24	10:00	2.8014	2.8656	7268.6	7292.6	24	1.12	1.12	1.12	39.9	Sunny	141.1	260
11-May-24	10:00	12-May-24	10:00	2.8040	2.8961	7292.6	7316.6	24	1.12	1.12	1.12	57.2	Cloudy	141.1	260
17-May-24	10:00	18-May-24	10:00	2.8029	2.9121	7316.6	7340.6	24	1.12	1.12	1.12	67.8	Sunny	141.1	260
23-May-24	10:00	24-May-24	10:00	2.8047	2.8961	7340.6	7364.6	24	1.12	1.12	1.12	56.8	Rainy	141.1	260
29-May-24	10:00	30-May-24	10:00	2.8076	2.8911	7364.6	7388.6	24	1.12	1.12	1.12	51.9	Sunny	141.1	260
04-Jun-24	10:00	05-Jun-24	10:00	2.8054	2.8656	7389.6	7413.6	24	1.12	1.12	1.12	37.4	Rainy	141.1	260
08-Jun-24	10:00	09-Jun-24	10:00	2.8020	2.8855	7413.6	7437.6	24	1.12	1.12	1.12	51.9	Rainy	141.1	260
12-Jun-24	10:00	13-Jun-24	10:00	2.8080	2.8952	7437.6	7461.6	24	1.12	1.12	1.12	54.2	Rainy	141.1	260
15-Jun-24	10:00	16-Jun-24	10:00	2.8079	2.9097	7461.6	7485.6	24	1.12	1.12	1.12	63.2	Rainy	141.1	260
21-Jun-24	10:00	22-Jun-24	10:00	2.8085	2.8791	7485.6	7509.6	24	1.12	1.12	1.12	43.9	Sunny	141.1	260
27-Jun-24	10:00	28-Jun-24	10:00	2.8060	2.8966	7509.6	7533.6	24	1.12	1.12	1.12	56.3	Rainy	141.1	260
03-Jul-24	10:00	04-Jul-24	10:00	2.8070	2.8703	7533.6	7557.6	24	1.12	1.12	1.12	39.4	Sunny	141.1	260
09-Jul-24	10:00	10-Jul-24	10:00	2.8021	2.8625	7557.6	7581.6	24	1.12	1.12	1.12	37.5	Cloudy	141.1	260
15-Jul-24	10:00	16-Jul-24	10:00	2.8014	2.8744	7581.6	7605.6	24	1.12	1.12	1.12	45.4	Rainy	141.1	260
20-Jul-24	10:00	21-Jul-24	10:00	2.8037	2.8832	7605.6	7629.6	24	1.12	1.12	1.12	49.4	Rainy	141.1	260
26-Jul-24	10:00	27-Jul-24	10:00	2.8063	2.8578	7629.6	7653.6	24	1.12	1.12	1.12	32.0	Rainy	141.1	260

Graphical Presentation of Air Quality Monitoring Result at Station AM5A (24-hour TSP)



Noise Monitoring Result at Station NM2A

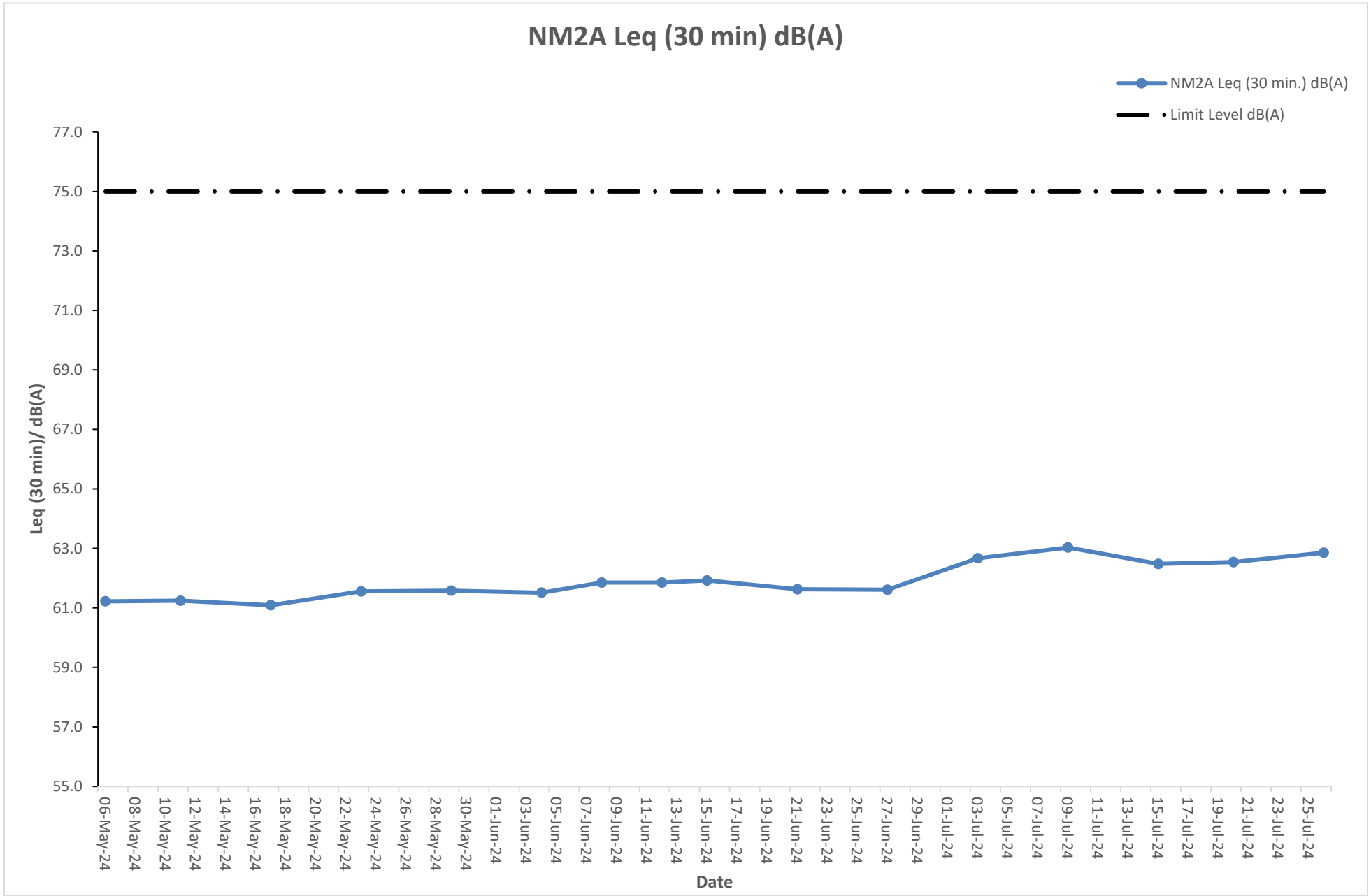
Date	Time	Measured L10 dB(A)	Measured L90 dB(A)	Leq (30 min.) dB(A)
06-May-24	14:35	62.9	59.8	61.2
06-May-24	14:40	62.1	58.8	
06-May-24	14:45	62.5	59.7	
06-May-24	14:50	62.1	59.9	
06-May-24	14:55	63.2	59.0	
06-May-24	15:00	62.5	59.7	
11-May-24	8:31	63.4	59.8	61.2
11-May-24	8:36	62.7	59.7	
11-May-24	8:41	63.1	59.8	
11-May-24	8:46	62.7	60.1	
11-May-24	8:51	62.9	59.9	
11-May-24	8:56	62.1	58.8	
17-May-24	14:34	62.9	58.7	61.1
17-May-24	14:39	62.7	59.6	
17-May-24	14:44	62.1	59.1	
17-May-24	14:49	62.2	59.1	
17-May-24	14:54	62.8	59.6	
17-May-24	14:59	62.1	59.1	
23-May-24	8:39	62.7	58.8	61.6
23-May-24	8:44	62.2	58.9	
23-May-24	8:49	63.0	58.9	
23-May-24	8:54	62.9	59.1	
23-May-24	8:59	62.2	58.9	
23-May-24	9:04	63.4	59.0	
29-May-24	14:30	62.3	60.1	61.6
29-May-24	14:35	62.6	59.9	
29-May-24	14:40	63.4	58.9	
29-May-24	14:45	63.1	58.7	
29-May-24	14:50	63.4	59.6	
29-May-24	14:55	62.4	59.5	
04-Jun-24	8:35	63.6	60.4	61.5
04-Jun-24	8:40	63.9	59.5	
04-Jun-24	8:45	63.0	59.6	
04-Jun-24	8:50	64.0	59.8	
04-Jun-24	8:55	62.9	59.3	
04-Jun-24	9:00	63.3	59.8	
08-Jun-24	14:39	63.1	59.5	61.9
08-Jun-24	14:44	62.9	59.4	
08-Jun-24	14:49	63.9	60.3	
08-Jun-24	14:54	62.9	59.3	
08-Jun-24	14:59	64.0	60.3	
08-Jun-24	15:04	63.1	59.5	
12-Jun-24	8:32	63.9	59.7	61.8
12-Jun-24	8:37	63.1	59.3	
12-Jun-24	8:42	62.7	60.0	
12-Jun-24	8:47	62.8	60.3	
12-Jun-24	8:52	63.5	59.5	
12-Jun-24	8:57	62.8	59.8	
15-Jun-24	14:31	63.8	60.3	61.9
15-Jun-24	14:36	62.7	60.5	
15-Jun-24	14:41	62.8	59.5	
15-Jun-24	14:46	62.7	60.0	
15-Jun-24	14:51	64.0	59.5	
15-Jun-24	14:56	63.1	60.1	
21-Jun-24	8:37	63.8	60.4	61.6
21-Jun-24	8:42	63.0	59.6	
21-Jun-24	8:47	63.3	60.1	
21-Jun-24	8:52	63.5	60.0	
21-Jun-24	8:57	63.8	59.4	
21-Jun-24	9:02	63.0	60.0	

Noise Monitoring Result at Station NM2A

Date	Time	Measured L10 dB(A)	Measured L90 dB(A)	Leq (30 min.) dB(A)
27-Jun-24	14:30	63.5	59.4	61.6
27-Jun-24	14:35	62.8	60.0	
27-Jun-24	14:40	62.9	60.1	
27-Jun-24	14:45	63.4	60.4	
27-Jun-24	14:50	63.4	60.4	
27-Jun-24	14:55	63.5	59.6	
03-Jul-24	8:31	64.0	60.3	62.7
03-Jul-24	8:36	64.1	60.8	
03-Jul-24	8:41	64.4	61.4	
03-Jul-24	8:46	64.5	60.7	
03-Jul-24	8:51	64.0	61.0	
03-Jul-24	8:56	64.5	61.4	
09-Jul-24	14:35	63.9	61.6	63.0
09-Jul-24	14:40	63.7	60.6	
09-Jul-24	14:45	64.1	61.0	
09-Jul-24	14:50	63.6	60.4	
09-Jul-24	14:55	64.6	61.3	
09-Jul-24	15:00	64.9	61.3	
15-Jul-24	8:36	64.8	61.0	62.5
15-Jul-24	8:41	64.8	60.6	
15-Jul-24	8:46	64.4	61.2	
15-Jul-24	8:51	64.7	60.2	
15-Jul-24	8:56	64.8	60.2	
15-Jul-24	9:01	64.4	60.8	
20-Jul-24	14:37	64.3	60.7	62.5
20-Jul-24	14:42	64.2	61.0	
20-Jul-24	14:47	64.4	60.6	
20-Jul-24	14:52	64.3	61.4	
20-Jul-24	14:57	64.1	61.1	
20-Jul-24	15:02	65.0	60.8	
26-Jul-24	8:39	65.0	60.4	62.9
26-Jul-24	8:44	64.7	60.8	
26-Jul-24	8:49	64.4	61.0	
26-Jul-24	8:54	64.8	60.4	
26-Jul-24	8:59	64.5	60.5	
26-Jul-24	9:04	64.7	60.9	

The station set-up of a façade measurement at station NM2A.

Graphical Presentation of Noise Monitoring Result at Station NM2A



Noise Monitoring Result at Station NM3A

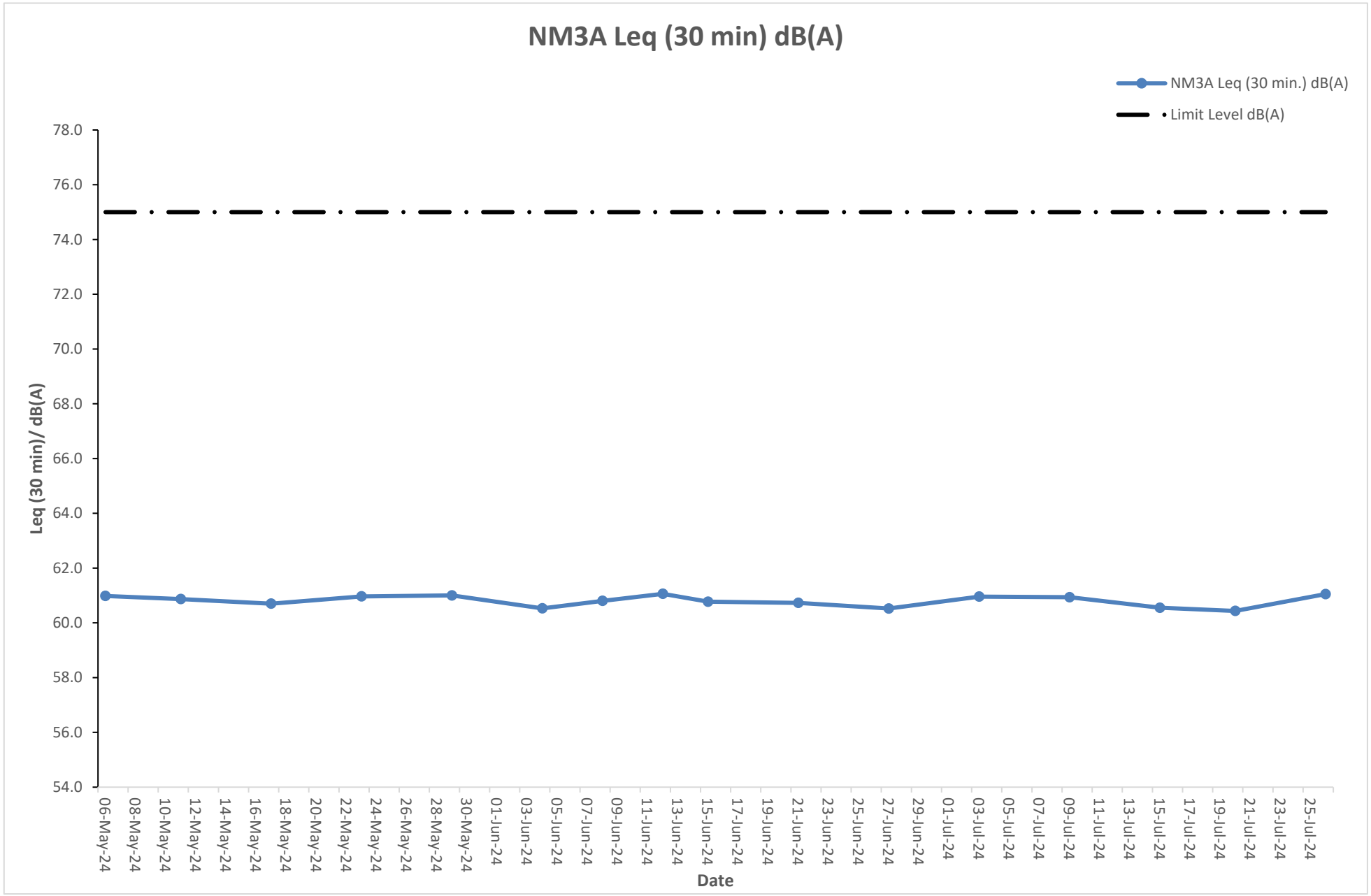
Date	Time	Measured L10 dB(A)	Measured L90 dB(A)	Leq (30 min.) dB(A)
06-May-24	16:05	62.4	57.1	61.0
06-May-24	16:10	62.8	56.2	
06-May-24	16:15	62.3	56.7	
06-May-24	16:20	62.6	57.3	
06-May-24	16:25	63.8	56.3	
06-May-24	16:30	62.8	56.7	
11-May-24	10:04	63.6	56.7	60.9
11-May-24	10:09	63.2	57.4	
11-May-24	10:14	62.9	55.9	
11-May-24	10:19	62.5	56.1	
11-May-24	10:24	62.4	57.6	
11-May-24	10:29	63.3	57.5	
17-May-24	16:04	62.2	57.8	60.7
17-May-24	16:09	62.7	57.3	
17-May-24	16:14	62.5	56.6	
17-May-24	16:19	63.6	56.0	
17-May-24	16:24	63.0	56.9	
17-May-24	16:29	62.8	56.0	
23-May-24	10:12	63.3	57.8	61.0
23-May-24	10:17	63.2	57.4	
23-May-24	10:22	63.4	55.9	
23-May-24	10:27	63.3	56.0	
23-May-24	10:32	62.0	56.8	
23-May-24	10:37	62.2	56.2	
29-May-24	16:00	61.9	55.9	61.0
29-May-24	16:05	63.4	57.6	
29-May-24	16:10	63.6	57.2	
29-May-24	16:15	62.8	57.6	
29-May-24	16:20	63.8	56.0	
29-May-24	16:25	62.1	57.8	
04-Jun-24	10:05	63.1	57.6	60.5
04-Jun-24	10:10	61.9	56.8	
04-Jun-24	10:15	63.7	56.0	
04-Jun-24	10:20	62.5	57.3	
04-Jun-24	10:25	62.1	57.8	
04-Jun-24	10:30	62.1	57.7	
08-Jun-24	16:12	62.4	56.7	60.8
08-Jun-24	16:17	62.5	57.6	
08-Jun-24	16:22	62.0	57.5	
08-Jun-24	16:27	62.0	56.3	
08-Jun-24	16:32	62.4	56.0	
08-Jun-24	16:37	62.3	56.9	
12-Jun-24	10:02	63.1	56.9	61.1
12-Jun-24	10:07	61.9	56.4	
12-Jun-24	10:12	62.7	57.5	
12-Jun-24	10:17	62.2	57.1	
12-Jun-24	10:22	63.0	57.1	
12-Jun-24	10:27	62.6	57.3	
15-Jun-24	16:04	62.8	57.4	60.8
15-Jun-24	16:09	62.8	57.0	
15-Jun-24	16:14	62.5	56.4	
15-Jun-24	16:19	62.7	57.1	
15-Jun-24	16:24	62.0	55.9	
15-Jun-24	16:29	62.0	57.4	
21-Jun-24	10:07	63.2	57.2	60.7
21-Jun-24	10:12	62.6	57.5	
21-Jun-24	10:17	63.8	56.5	
21-Jun-24	10:22	63.0	56.1	
21-Jun-24	10:27	63.5	56.7	
21-Jun-24	10:32	62.3	56.8	

Noise Monitoring Result at Station NM3A

Date	Time	Measured L10 dB(A)	Measured L90 dB(A)	Leq (30 min.) dB(A)
27-Jun-24	16:12	63.4	56.7	60.5
27-Jun-24	16:17	62.1	56.1	
27-Jun-24	16:22	61.9	56.6	
27-Jun-24	16:27	63.4	56.2	
27-Jun-24	16:32	63.3	56.5	
27-Jun-24	16:37	62.5	56.1	
03-Jul-24	10:01	62.4	57.1	61.0
03-Jul-24	10:06	63.0	57.1	
03-Jul-24	10:11	61.9	56.8	
03-Jul-24	10:16	63.7	55.9	
03-Jul-24	10:21	63.4	57.5	
03-Jul-24	10:26	62.2	57.7	
09-Jul-24	16:08	63.6	57.8	60.9
09-Jul-24	16:13	62.1	55.9	
09-Jul-24	16:18	62.5	56.6	
09-Jul-24	16:23	63.5	56.9	
09-Jul-24	16:28	63.4	57.7	
09-Jul-24	16:33	63.5	56.2	
15-Jul-24	10:06	63.1	56.2	60.6
15-Jul-24	10:11	63.4	57.1	
15-Jul-24	10:16	62.9	57.6	
15-Jul-24	10:21	63.2	57.1	
15-Jul-24	10:26	62.5	55.9	
15-Jul-24	10:31	61.9	56.6	
20-Jul-24	16:10	63.7	56.8	60.4
20-Jul-24	16:15	63.7	57.0	
20-Jul-24	16:20	63.1	57.5	
20-Jul-24	16:25	63.4	55.9	
20-Jul-24	16:30	63.0	56.9	
20-Jul-24	16:35	62.3	57.8	
26-Jul-24	10:09	62.9	56.8	61.0
26-Jul-24	10:14	63.1	56.7	
26-Jul-24	10:19	62.7	56.8	
26-Jul-24	10:24	63.2	56.4	
26-Jul-24	10:29	63.4	57.7	
26-Jul-24	10:34	63.5	57.6	

The station set-up of a façade measurement at station NM3A.

Graphical Presentation of Noise Monitoring Result at Station NM3A



Noise Monitoring Result at Station NM4A

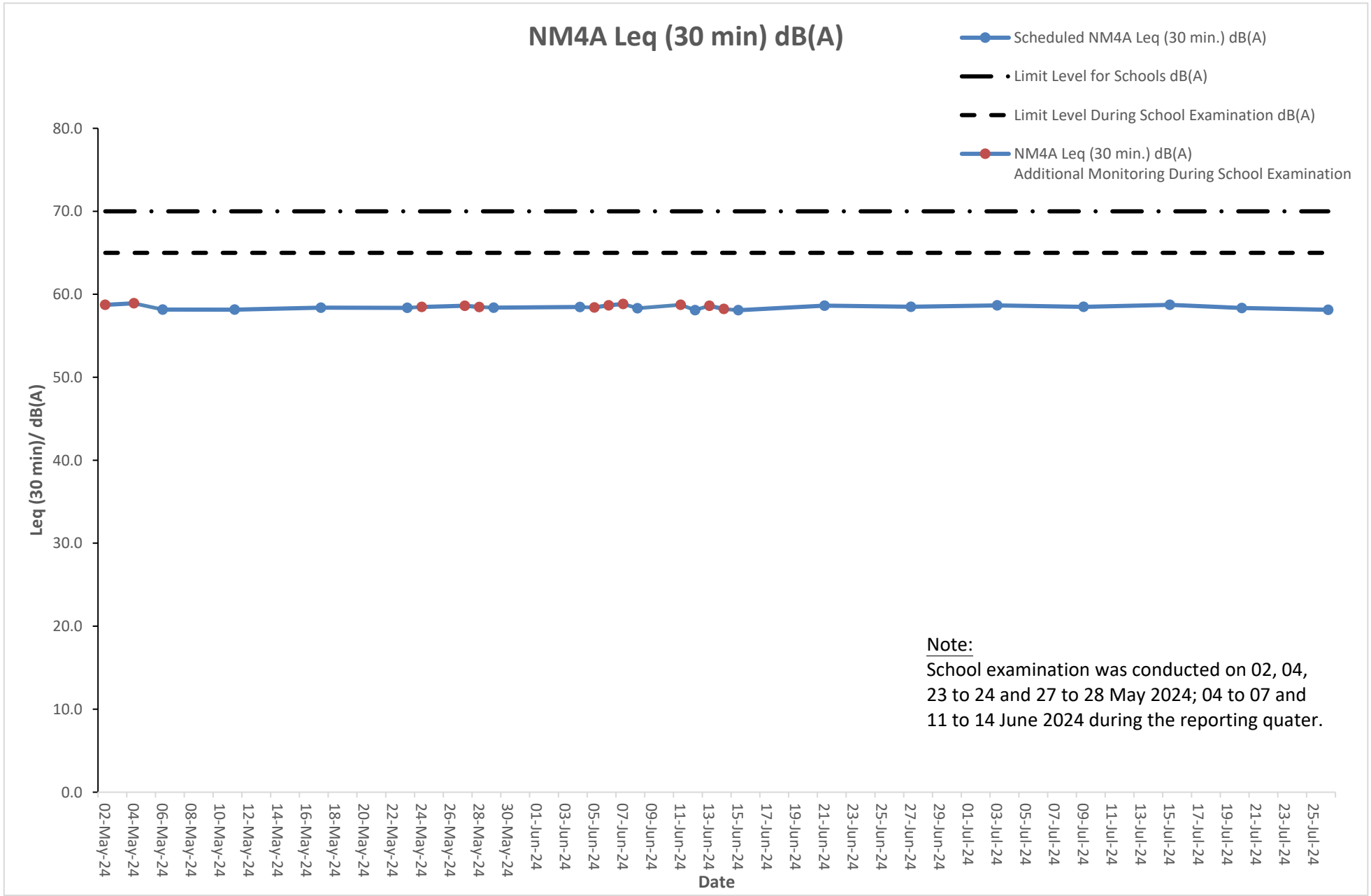
Date	Time	Measured L10 dB(A)	Measured L90 dB(A)	Leq (30 min.) dB(A)
06-May-24	16:40	59.8	56.2	58.2
06-May-24	16:45	60.0	56.3	
06-May-24	16:50	60.2	56.6	
06-May-24	16:55	60.2	56.3	
06-May-24	17:00	60.1	55.7	
06-May-24	17:05	60.4	56.3	
11-May-24	10:39	59.6	56.5	58.1
11-May-24	10:44	60.5	56.4	
11-May-24	10:49	59.8	56.3	
11-May-24	10:54	59.7	56.9	
11-May-24	10:59	60.2	56.5	
11-May-24	11:04	59.8	57.0	
17-May-24	16:39	59.8	56.9	58.4
17-May-24	16:44	59.6	56.1	
17-May-24	16:49	59.3	56.9	
17-May-24	16:54	59.3	56.6	
17-May-24	16:59	60.0	56.5	
17-May-24	17:04	59.5	57.1	
23-May-24	10:47	59.2	57.0	58.4
23-May-24	10:52	60.6	56.6	
23-May-24	10:57	60.0	56.5	
23-May-24	11:02	59.7	56.5	
23-May-24	11:07	60.5	56.3	
23-May-24	11:12	59.8	56.3	
29-May-24	16:35	60.5	57.1	58.4
29-May-24	16:40	60.6	55.9	
29-May-24	16:45	59.4	56.4	
29-May-24	16:50	59.3	56.8	
29-May-24	16:55	60.2	56.0	
29-May-24	17:00	59.3	56.4	
04-Jun-24	10:40	59.6	56.2	58.5
04-Jun-24	10:45	60.4	55.8	
04-Jun-24	10:50	60.3	56.2	
04-Jun-24	10:55	59.3	56.0	
04-Jun-24	11:00	59.4	56.4	
04-Jun-24	11:05	60.6	56.9	
08-Jun-24	16:47	59.4	56.9	58.3
08-Jun-24	16:52	59.3	56.5	
08-Jun-24	16:57	59.7	57.1	
08-Jun-24	17:02	60.0	56.1	
08-Jun-24	17:07	60.3	56.4	
08-Jun-24	17:12	59.4	55.8	
12-Jun-24	10:37	59.2	56.8	58.1
12-Jun-24	10:42	59.7	56.4	
12-Jun-24	10:47	60.5	56.5	
12-Jun-24	10:52	59.8	56.0	
12-Jun-24	10:57	59.2	56.1	
12-Jun-24	11:02	59.3	56.8	
15-Jun-24	16:39	60.5	56.2	58.1
15-Jun-24	16:44	60.0	55.9	
15-Jun-24	16:49	59.6	55.9	
15-Jun-24	16:54	59.3	56.1	
15-Jun-24	16:59	59.5	56.4	
15-Jun-24	17:04	60.0	56.7	
21-Jun-24	10:42	60.1	56.4	58.6
21-Jun-24	10:47	59.6	56.1	
21-Jun-24	10:52	60.4	56.8	
21-Jun-24	10:57	59.7	55.7	
21-Jun-24	11:02	60.0	55.8	
21-Jun-24	11:07	60.6	56.6	

Noise Monitoring Result at Station NM4A

Date	Time	Measured L10 dB(A)	Measured L90 dB(A)	Leq (30 min.) dB(A)
27-Jun-24	16:47	60.5	55.9	58.5
27-Jun-24	16:52	60.3	56.8	
27-Jun-24	16:57	60.4	56.2	
27-Jun-24	17:02	59.8	55.9	
27-Jun-24	17:07	60.1	55.9	
27-Jun-24	17:12	59.2	56.8	
03-Jul-24	10:36	60.0	56.0	58.7
03-Jul-24	10:41	59.7	56.1	
03-Jul-24	10:46	60.3	57.1	
03-Jul-24	10:51	59.8	56.0	
03-Jul-24	10:56	59.8	55.8	
03-Jul-24	11:01	60.0	56.3	
09-Jul-24	16:43	60.4	56.3	58.5
09-Jul-24	16:48	60.0	55.9	
09-Jul-24	16:53	60.0	57.0	
09-Jul-24	16:58	60.3	56.8	
09-Jul-24	17:03	59.3	56.9	
09-Jul-24	17:08	59.9	56.1	
15-Jul-24	10:41	59.6	56.6	58.7
15-Jul-24	10:46	59.7	57.1	
15-Jul-24	10:51	60.2	56.8	
15-Jul-24	10:56	59.9	56.1	
15-Jul-24	11:01	59.3	56.1	
15-Jul-24	11:06	59.8	56.3	
20-Jul-24	16:45	60.4	55.8	58.3
20-Jul-24	16:50	60.0	56.4	
20-Jul-24	16:55	59.6	56.1	
20-Jul-24	17:00	60.6	55.9	
20-Jul-24	17:05	59.4	56.2	
20-Jul-24	17:10	60.3	56.1	
26-Jul-24	10:44	59.3	56.8	58.1
26-Jul-24	10:49	60.6	56.6	
26-Jul-24	10:54	60.6	56.8	
26-Jul-24	10:59	59.7	56.6	
26-Jul-24	11:04	59.4	56.5	
26-Jul-24	11:09	60.5	57.1	

The station set-up of a façade measurement at station NM4A.

Graphical Presentation of Noise Monitoring Result at Station NM4A



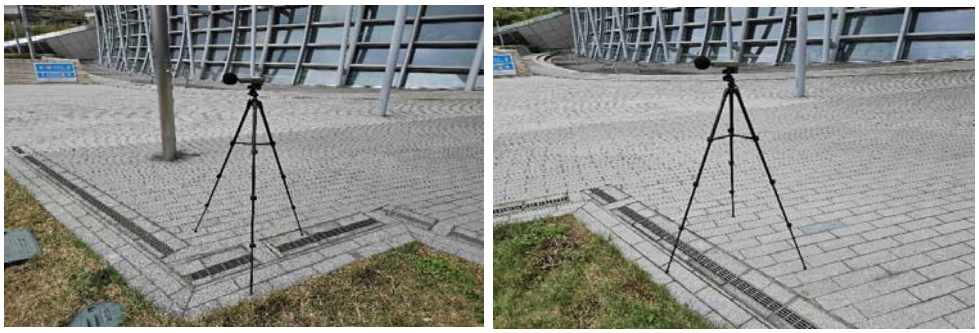
Noise Monitoring Result at Station NM5A

Date	Time	Measured L10 dB(A)	Measured L90 dB(A)	Leq (30 min.) dB(A)	Leq (30 min.) +3 dB(A)
06-May-24	15:25	61.7	57.6	60.4	63.4
06-May-24	15:30	62.0	57.4		
06-May-24	15:35	61.5	58.5		
06-May-24	15:40	62.0	58.8		
06-May-24	15:45	62.3	58.4		
06-May-24	15:50	61.7	58.3		
11-May-24	9:23	61.9	58.3	60.6	63.6
11-May-24	9:28	62.8	58.5		
11-May-24	9:33	62.0	58.5		
11-May-24	9:38	61.5	57.4		
11-May-24	9:43	61.7	57.7		
11-May-24	9:48	62.8	57.4		
17-May-24	15:24	62.7	58.9	60.6	63.6
17-May-24	15:29	61.6	58.4		
17-May-24	15:34	61.8	58.5		
17-May-24	15:39	61.9	58.7		
17-May-24	15:44	61.9	58.1		
17-May-24	15:49	62.1	58.0		
23-May-24	9:31	62.0	58.3	60.4	63.4
23-May-24	9:36	61.7	57.4		
23-May-24	9:41	62.6	57.7		
23-May-24	9:46	61.4	58.2		
23-May-24	9:51	62.0	57.8		
23-May-24	9:56	62.3	57.8		
29-May-24	15:20	61.8	58.7	60.6	63.6
29-May-24	15:25	61.8	58.7		
29-May-24	15:30	62.6	58.9		
29-May-24	15:35	62.0	58.7		
29-May-24	15:40	62.1	57.9		
29-May-24	15:45	61.6	59.0		
04-Jun-24	9:25	61.9	59.2	60.5	63.5
04-Jun-24	9:30	61.7	57.8		
04-Jun-24	9:35	61.4	58.5		
04-Jun-24	9:40	62.0	58.9		
04-Jun-24	9:45	62.4	57.8		
04-Jun-24	9:50	61.4	57.9		
08-Jun-24	15:31	61.4	57.9	60.5	63.5
08-Jun-24	15:36	62.7	58.3		
08-Jun-24	15:41	61.7	58.1		
08-Jun-24	15:46	62.2	57.6		
08-Jun-24	15:51	61.7	59.3		
08-Jun-24	15:56	62.0	58.0		
12-Jun-24	9:22	61.8	58.9	60.2	63.2
12-Jun-24	9:27	61.5	57.7		
12-Jun-24	9:32	62.0	58.9		
12-Jun-24	9:37	61.4	57.4		
12-Jun-24	9:42	62.8	58.9		
12-Jun-24	9:47	62.6	58.2		
15-Jun-24	15:23	61.7	58.5	60.6	63.6
15-Jun-24	15:28	62.0	57.4		
15-Jun-24	15:33	61.9	58.3		
15-Jun-24	15:38	62.0	57.9		
15-Jun-24	15:43	62.6	58.1		
15-Jun-24	15:48	61.5	58.1		
21-Jun-24	9:27	62.2	58.2	60.5	63.5
21-Jun-24	9:32	61.4	59.0		
21-Jun-24	9:37	62.1	57.8		
21-Jun-24	9:42	61.9	58.5		
21-Jun-24	9:47	62.8	59.1		
21-Jun-24	9:52	61.8	57.4		

Noise Monitoring Result at Station NM5A

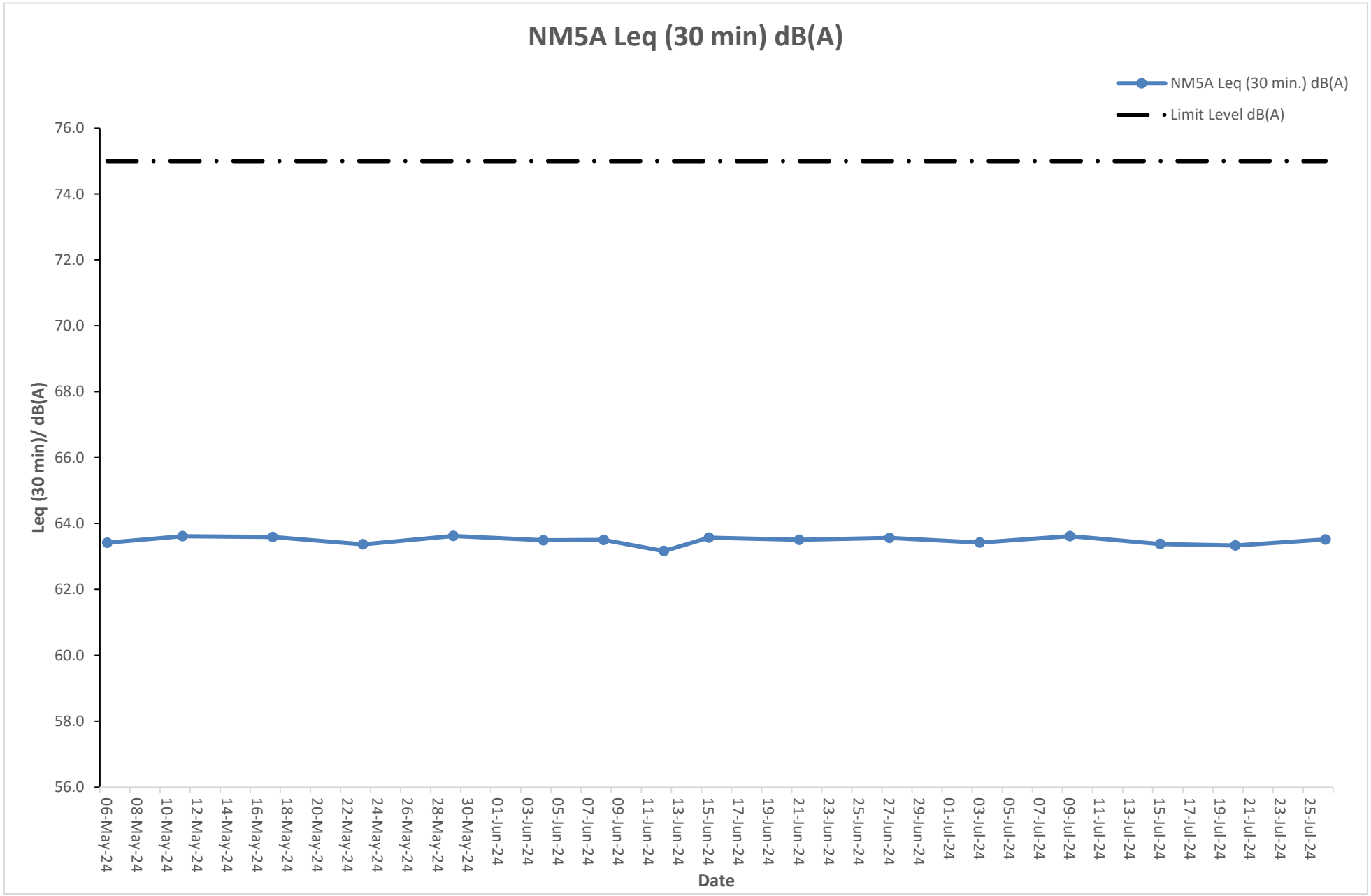
Date	Time	Measured L10 dB(A)	Measured L90 dB(A)	Leq (30 min.) dB(A)	Leq (30 min.) +3 dB(A)
27-Jun-24	15:31	61.4	57.6	60.6	63.6
27-Jun-24	15:36	62.7	57.6		
27-Jun-24	15:41	62.4	58.9		
27-Jun-24	15:46	62.6	58.6		
27-Jun-24	15:51	61.6	59.3		
27-Jun-24	15:56	61.8	57.4		
03-Jul-24	9:21	61.7	58.6	60.4	63.4
03-Jul-24	9:26	61.4	58.0		
03-Jul-24	9:31	62.1	58.7		
03-Jul-24	9:36	62.6	58.0		
03-Jul-24	9:41	62.2	58.8		
03-Jul-24	9:46	61.6	57.6		
09-Jul-24	15:27	61.8	57.7	60.6	63.6
09-Jul-24	15:32	62.8	59.1		
09-Jul-24	15:37	62.7	58.3		
09-Jul-24	15:42	61.4	59.0		
09-Jul-24	15:47	62.0	59.3		
09-Jul-24	15:52	62.5	59.1		
15-Jul-24	9:26	61.5	58.3	60.4	63.4
15-Jul-24	9:31	62.3	57.7		
15-Jul-24	9:36	61.4	59.0		
15-Jul-24	9:41	62.3	58.0		
15-Jul-24	9:46	62.5	57.9		
15-Jul-24	9:51	62.0	57.9		
20-Jul-24	15:29	62.1	57.6	60.3	63.3
20-Jul-24	15:34	61.8	58.3		
20-Jul-24	15:39	62.3	57.8		
20-Jul-24	15:44	62.7	59.2		
20-Jul-24	15:49	62.2	58.8		
20-Jul-24	15:54	62.3	58.9		
26-Jul-24	9:29	62.3	58.3	60.5	63.5
26-Jul-24	9:34	62.1	57.8		
26-Jul-24	9:39	62.3	59.0		
26-Jul-24	9:44	62.2	59.1		
26-Jul-24	9:49	62.2	58.2		
26-Jul-24	9:54	62.2	59.0		

Remarks:
+3dB(A) correction was applied to free-field measurement.



The station set-up of a free-field measurement at station NM5A.

Graphical Presentation of Noise Monitoring Result at Station NM5A



F. Waste Flow table

Zone 2B & 2C (Contract No.: CC/2020/2B/088)

Table F-1: Monthly Waste Flow Table for Zone 2B & 2C

Month	Actual Quantities of Inert C&D Materials Generated Monthly							Actual Quantities of C&D Materials Generated Monthly					
	Total Quantity Generated	Hard Rocks and Large Broken Concrete	Reused in the Contract	Reused in other Projects	Disposed as Public Fill	Disposed to Sroting Facility	Imported Fill	Metals	Paper/ Cardboard Packaging	Plastics	Wood/ Timber	Chemical Waste	Others, e.g. General Refuse
	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)
2021													
Sep	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Oct	22.58	22.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.19
Nov	9265.04	10.45	125.93	0.00	9128.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17.12
Dec	13462.30	62.94	1041.17	0.00	12358.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.62
Sub-total (2021)	22749.92	95.97	1167.10	0.00	21486.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	43.93
2022													
Jan	17427.64	0.00	2091.32	100.04	15236.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.60
Feb	18230.98	0.00	991.53	1719.99	15519.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.90
Mar	24777.12	0.00	2176.32	11721.21	10879.59	0.00	0.00	0.00	0.00	0.00	0.00	1.40	16.15
Apr	32749.58	0.00	2409.00	22393.87	7946.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	16.79
May	31115.05	0.00	3141.32	15121.57	12852.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.31
Jun	30747.96	0.00	3120.62	14645.87	12981.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15.84
Jul	34017.48	0.00	3444.43	10214.91	20358.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	17.43
Aug	38065.92	0.00	3272.46	3610.61	31182.85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.99
Sep	38896.62	0.00	3664.45	2790.24	32441.93	0.00	0.00	15.80	0.00	0.00	0.00	0.00	29.88
Oct	41174.38	0.00	4340.02	2447.22	34387.14	0.00	0.00	86.63	0.00	0.00	0.00	0.00	28.50
Nov	40031.63	0.00	4149.91	1021.06	34860.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	36.54
Dec	42615.90	0.00	4242.02	1655.36	36718.52	0.00	0.00	10.23	0.00	0.00	0.00	0.00	36.04
Sub-total (2022)	389850.25	0.00	37043.39	87441.95	265364.91	0.00	0.00	112.66	0.00	0.00	0.00	1.40	254.97

2023													
Jan	35248.24	0.00	2711.85	1182.55	31353.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.92
Feb	39553.32	0.00	4737.76	3184.34	31631.22	0.00	0.00	0.00	0.00	0.00	0.00	1.40	35.95
Mar	42528.10	0.00	4710.97	2381.39	35435.74	0.00	0.00	24.21	0.00	0.00	0.00	1.80	36.38
Apr	29352.63	0.00	3136.52	1211.00	25005.11	0.00	0.00	23.79	0.00	0.00	0.00	1.60	33.30
May	33842.57	0.00	3742.02	1113.13	28987.42	0.00	0.00	33.86	0.00	0.00	0.00	0.00	34.16
Jun	26638.62	0.00	3926.07	708.34	22004.21	0.00	0.00	90.36	0.00	0.00	0.00	0.40	40.29
Jul	16946.46	0.00	2228.35	30.63	14687.48	0.00	0.00	23.77	0.00	0.00	0.00	1.20	53.51
Aug	14143.71	0.00	2356.05	76.03	11711.63	0.00	0.00	14.84	0.00	0.00	0.00	1.40	44.35
Sep	7142.10	0.00	1423.05	0.00	5719.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25.20
Oct	2847.84	0.00	0.00	0.00	2833.79	14.05	0.00	0.00	0.00	0.00	0.00	0.00	27.58
Nov	4052.81	0.00	0.00	0.00	4052.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	42.50
Dec	3119.02	0.00	0.00	0.00	3119.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.77
Sub-total (2023)	255415.42	0.00	28972.64	9887.41	216541.32	14.05	0.00	210.83	0.00	0.00	0.00	7.80	417.91
2024													
Jan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.79
Feb	18.34	0.00	0.00	0.00	18.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.43
Mar	1836.65	0.00	0.00	0.00	1836.65	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.97
Apr	409.66	0.00	0.00	0.00	409.66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.61
May	27.86	0.00	0.00	0.00	27.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.27
Jun	32.00	0.00	0.00	0.00	32.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.47
Jul	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.22
Sub-total (2024)	2324.51	0.00	0.00	0.00	2324.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	69.76
Total	**670340.10**	**95.97**	**67183.13**	**97329.36**	**505717.59**	**14.05**	**0.00**	**323.49**	**0.00**	**0.00**	**0.00**	**9.20**	**786.57**

Note:

-59.86 tonnes of inert C&D material were disposed of as public fill to Tseung Kwan O Area 137 in the reporting quarter.

Zones 2A, 2B & 2C (Contract No.: CC/2023/2B/095)

Table F-1: Monthly Waste Flow Table for Zones 2A, 2B & 2C

Month	Actual Quantities of Inert C&D Materials Generated Monthly							Actual Quantities of C&D Materials Generated Monthly					
	Total Quantity Generated	Hard Rocks and Large Broken Concrete	Reused in the Contract	Reused in other Projects	Disposed as Public Fill	Disposed to Sroting Facility	Imported Fill	Metals	Paper/ Cardboard Packaging	Plastics	Wood/ Timber	Chemical Waste	Others, e.g. General Refuse
	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)	(in tonnes)
2024													
Jul	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Aug													
Sep													
Oct													
Nov													
Dec													
Sub-total (2024)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2025													
Jan													
Feb													
Mar													
Apr													
May													
Jun													
Jul													
Aug													
Sep													
Oct													
Nov													
Dec													
Sub-total (2025)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

G. Cumulative Statistics on Complaints, Notifications of Summons and Successful Prosecutions

Cumulative statistics for complaints, notifications of summons and successful prosecutions for the Project account for period starting from the date of commencement of construction works (i.e. 30 September 2021 for Zone 2B & 2C (Contract No.: CC/2020/2B/088); 05 July 2024 for Zones 2A, 2B & 2C (Contract No.: CC/2023/2B/095)) to the end of the reporting quarter and are summarized in the **Table G-1** and **Table G-2** below respectively.

Table G-1: Statistics for complaints, notifications of summons and successful prosecutions for Zone 2B & 2C (Contract No.: CC/2020/2B/088)

Reporting Period	Cumulative Statistics		
	Complaints	**Notifications of summons**	**Successful prosecutions**
This reporting quarter (May 24 – Jul 24)	1	0	0
From 30 September 2021 to 05 July 2024	32	0	0

Table G-2: Statistics for complaints, notifications of summons and successful prosecutions for Zones 2A, 2B & 2C (Contract No.: CC/2023/2B/095)

Reporting Period	Cumulative Statistics		
	Complaints	**Notifications of summons**	**Successful prosecutions**
This reporting quarter (May 24 – Jul 24)	1	0	0
From 05 July 2024 to end of the reporting quarter	1	0	0

END OF THE REPORT